



SAN JOAQUIN  
**DELTA**  
COLLEGE



2025–2026  
**COLLEGE CATALOG**

## Welcome to the 2025-2026 College Catalog

The San Joaquin Delta College catalog is designed to assist students in finding a transfer and career pathway (TrAC) and appropriate services and support, so they can achieve their personal and educational goals. The catalog contains Delta's degrees and certificates, course descriptions, student support programs and services, and other information related to college admissions and class registration.



### Notice

San Joaquin Delta Community College District reserves the right to discontinue or postpone courses, and correct errors and omissions. Courses, course content, and units are subject to change depending upon the requirements of the District. All enrollment fees are subject to change.

It is the responsibility of the student to become familiar with the contents of the College Catalog, including the rules, regulations, and requirements presented herein. Students are eligible for an associate's degree or certificate upon completion of all requirements as stated in either:

- the College Catalog at the time of their acceptance into a program (to the extent possible within the current roster of course offerings); or
- the College Catalog in effect at the time of their graduation

**Visit our Website at:**  
[www.deltacollege.edu](http://www.deltacollege.edu)

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## Message from the President

Dear students,

Welcome to San Joaquin Delta College!



On behalf of the Board of Trustees and the faculty and staff, I want to welcome all of you to San Joaquin Delta College. We are excited to have you join us in your pursuit of your higher educational goals. As a former community college student myself, I am dedicated to leading San Joaquin Delta College in our efforts to provide an inclusive, culturally relevant, high-quality education for all students. I am a student-centered leader and removing system barriers to higher education so that all students can achieve is my top priority. I believe in all of our students and recognize students bring a wealth of knowledge, experience, and expertise to their education. As the Superintendent, I am committed to working with the campus community and the community at large to find the best approaches to serving students and meeting local workforce training needs. Creating equitable access for all students is a crucial step in providing a stronger workforce and improved quality of life in our region. Our new Mission, Vision, and Strategic Goals tell you a lot about the District and how we will support you in your educational journey.

### Mission

We actively and continuously strive to be a student-centered, anti-racist, equity-focused college that serves the educational and economic development needs of our communities. We commit ourselves to high standards of teaching and learning, provide excellent career and transfer education programs, and offer high-quality support services which empower all students to pursue personal development and achieve their academic goals.

### Vision

We believe in our students and act as a catalyst for knowledge growth, social equity, economic mobility, personal development, and life-long learning.

#### Strategic Goal 1 - Student-Centered

Increase student success metrics for all students, especially for disproportionately impacted students, to significantly reduce equity gaps.

#### Strategic Goal 2 - Innovative and Inclusive

Improve operational practices to ensure access to an equity-minded, student-centered experience.

#### Strategic Goal 3 - Community-Focused

Initiate and promote community partnerships, increase engagement, and expand opportunities for innovation, entrepreneurship, and cultural and intellectual exchange.

This catalog will serve as a tool that you can use to locate information about academic programs, student support services, and your rights and responsibilities as a student.

Remember, we believe in you. We believe in our communities, too. We are a leader in the communities we serve, providing high quality workforce training and academic programs for thousands of students each year, preparing students to enter the workforce and earn high paying jobs or to transfer to four-year universities.

We are here to support you in your pursuit of higher education. I wish you all of the best on your educational journey.

Sincerely,

Dr. Lisa Aguilera Lawrenson  
Superintendent/President

## BOARD OF TRUSTEES

### Board of Trustees



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Ranch  
Area 1



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### Administration

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# About Delta College

## Mission Statement

We actively and continuously strive to be a student-centered, anti-racist, equity-focused college that serves the educational and economic development needs of our communities. We commit ourselves to high standards of teaching and learning, provide excellent career and transfer education programs, and offer high-quality support services which empower all students to pursue personal development and achieve their academic goals. (BP 1200, 5/17/22)

## Vision Statement

We believe in our students and act as a catalyst for knowledge growth, social equity, economic mobility, personal development, and life-long learning. (BP 1201, 5/17/22)

## Values

Delta College is a beacon of hope for students, providing them with an innovative, student-ready, equity-minded college experience through high-quality teaching, learning, and support services. We express these values in all that we do.

<b>Community</b>	We engage with regional partners to align the college with employer and community needs, provide enrichment, and serve as a hub for innovation and entrepreneurship, as well as cultural and intellectual exchange.
<b>Inclusion and Respect</b>	We are a diverse educational institution that promotes academic discourse and encourages courageous conversations to address our community needs with solution-focused thinking. An inclusive culture means all communities contribute and are critical stakeholders in conversations. Diverse perspectives from all constituency groups, regardless of rank or title, are solicited and honored. We listen openly, engage respectfully, and communicate authentically and regularly.
<b>Inquiry and Innovation</b>	We employ data-informed, sustainable processes and are committed to continuous improvement. Flexibility and adaptability are critical in our constantly changing environment. New and emerging ideas for the betterment of the college and the student experience are celebrated. We consistently evaluate our effectiveness and adjust as necessary.
<b>Student-Centered</b>	We put our students' education first, acknowledging students' voice as central to the learning experience. Programs and offerings are designed with this in mind. We strive to listen to students' needs, aim to be culturally responsive, and prioritize a shift in our approach to meet students where they are and help them achieve their goals.
<b>Social Justice and Equity</b>	We recognize that society unfairly distributes wealth, opportunity, and privilege through systems such as higher education and seeks to disrupt this inequity. Higher education should be a civil right and we see it as a means to create a more just world, recognizing that we have an obligation to examine our policies and practices to strengthen and safeguard equity, diversity, and inclusion. We are committed to providing all students with the support they need to be successful, especially students who come from historically marginalized and underserved communities.
<b>Wellness and Safety</b>	We prioritize and promote the well-being and safety of our college community.

## Land Acknowledgement

We acknowledge that San Joaquin Delta College serves students and the community on the unceded ancestral homeland of indigenous peoples, including the Yokuts [yoh-kuts], Plains Mi-Wuk [mee-wuck], Patwin [PAT-win], and Nisenan [nish-n-non]. This land remains inseparable from its aboriginal stewards. As guests, we recognize that we benefit from living and working on their traditional homeland, and we wish to pay our respects by acknowledging the ancestors, elders, and relatives of the Yokuts [yoh-kuts], Plains Mi-Wuk [mee-wuck], Patwin [PAT-win], and Nisenan, including by affirming their sovereign rights as First Peoples. We remain grateful for the rich culture, languages, contributions, and heritage of the First Nation peoples who lived here and loved here, who raised their families here, who cared for land and life here, who are buried in many marked and unmarked places here, and who remain here despite acts of genocide, assimilation, and forced removal. Let us honor them, this land, and all life in our thoughts, words, and actions in this place.

## Accreditation

San Joaquin Delta College is accredited by the Accrediting Commission for Community and Junior Colleges, 428 J Street, Suite 400, Sacramento, CA 95814, (415) 506-0234, an institutional accrediting body recognized by the Commission on

## ABOUT DELTA COLLEGE

Recognition of Postsecondary Accreditation and the U.S. Department of Education. The District has three educational centers recognized by the Commission to offer 50% or more of a degree or certificate program: the Stockton Campus at 5151 Pacific Avenue, Stockton, CA 95207; the Manteca Center at 5298 Brunswick Road, Manteca, CA 95336; and the South Campus at Mountain House, 2073 South Central Parkway, Mountain House, CA 95391.

The College's programs are fully accredited or approved by professional organizations and/or national and state agencies including:

- Accrediting Commission for Education in Nursing
- California Commission on Peace Officers Standards and Training
- California State Board of Registered Nursing
- California State Board of Vocational Nursing and Psychiatric Technicians
- California State Department of Education
- California State University
- Joint Review Committee on Education in Radiologic Technology
- National Automotive Technician's Education Foundation
- University of California

## Student Learning Outcomes

### San Joaquin Delta College Philosophy on Student Learning Outcomes

The purpose of Student Learning Outcomes and Assessment (SLOA) is to improve student learning. It is driven by the District's mission and is a professional responsibility of faculty, staff, managers, and administrators. Outcomes and assessments are primarily developed and implemented by faculty and student service professionals. SLOA requires the institution to provide clear and measurable outcomes, authentic learning experiences, and assessment of student learning that includes the systematic collection, collaborative analysis and interpretation, and use of assessment information to understand and improve teaching and learning.

Student Learning Outcomes for all programs and courses are published on the college website: [www.deltacollege.edu/departments/student-learning-outcomes-and-assessment](http://www.deltacollege.edu/departments/student-learning-outcomes-and-assessment).

## Institutional Learning Outcomes

San Joaquin Delta College is committed to providing students with the knowledge and skills necessary to succeed as productive members of society. Degree and certificate programs are designed to foster the development of students who demonstrate and apply the principles listed below.

- 1. HUMAN CULTURE AND THE PHYSICAL WORLD**
  - a. Awareness and Appreciation of Social Institutions
    - i. Understand the growth and evolution of social, political, economic, religious, and cultural systems.
    - ii. Recognize the essential nature of the arts in affecting thriving cultures.
    - iii. Appreciate the primary significance of cultural diversity as a factor in the formation and success of society.
  - b. Environmental Responsibility
    - i. Understand how to use resources responsibly.
    - ii. Understand why human population growth is an important environmental issue.
    - iii. Understand how natural processes and human activities contribute to climate change.
- 2. DISCIPLINE, CAREER, AND TECHNICAL COMPETENCE**
  - a. Discipline-specific Knowledge
    - i. Develop knowledge of a discipline, set of related disciplines, or a career/technical field.
  - b. Application and Analysis of Knowledge
    - i. Apply, analyze, synthesize, and evaluate concepts, principles, and practices in a variety of real-world settings.
- 3. QUANTITATIVE, SCIENTIFIC, AND COMMUNICATION SKILLS**
  - a. Quantitative Competency
    - i. Apply mathematical concepts and principles in a variety of real-world contexts.
    - ii. Demonstrate knowledge of fundamentals of 21st century economic, business, and personal financial concepts, principles, and processes and effectively apply it in real-world settings.
  - b. Scientific Competency
    - i. Demonstrate knowledge of fundamental scientific principles, concepts, and processes (e.g., scientific method), and effectively apply it in real-world settings.
  - c. Communication Competency
    - i. Demonstrate effective and appropriate methods of communication (e.g., reading, writing, listening, speaking, singing, performing and visual arts, and utilizing electronic media).

#### 4. PERSONAL AND SOCIAL DEVELOPMENT

Development and Demonstration of Responsibility: Personal; Civic and Social; Interpersonal and Intercultural

- a. Personal Responsibility
  - i. Set and achieve personal, educational, and life goals.
  - ii. Manage the college experience to achieve academic and personal success.
  - iii. Prioritize family, work, and leisure effectively.
  - iv. Develop economic self-sufficiency.
  - v. Demonstrate responsibility for one's own health, safety, and well-being.
- b. Civic and Social Responsibility
  - i. Demonstrate a commitment to public life through engagement in organizations.
  - ii. Exercise leadership and appropriate behavior as a member of groups.
  - iii. Practice ethical behavior through appropriate choices.
- c. Interpersonal and Intercultural Responsibility
  - i. Act with civility and respect for people of diverse cultures, socioeconomic and political backgrounds, sexual orientations, disabilities, ideas, and viewpoints.
  - ii. Engage in meaningful relationships with peers, instructors, and others.
  - iii. Demonstrate cooperation and collaboration with others in academic, artistic, athletic, and other settings.

#### 5. LIFELONG LEARNING

- a. Information and Technological Competency
  - i. Find, evaluate, ethically use, and appropriately cite information in a variety of formats (e.g., print, multimedia, and electronic resources).
- b. Intellectual Competency
  - i. Think, reason, and reflect critically; generate questions and explore ideas; and analyze and synthesize information.
- c. Engagement in Lifelong Learning
  - i. Update knowledge and skills to maintain currency in a discipline(s) or a career/technical field.
  - ii. Engage in learning for intellectual stimulation and recreational activities.

### Delta College Foundation

The Delta College Foundation collaborates with San Joaquin Delta College by cultivating relationships, building partnerships, and developing vital resources and funds that promote equitable access to higher education. The Foundation embraces community collaboration and camaraderie to inspire educational success by supporting and enriching experiences for all students. Delta College depends on the generosity of donors to establish scholarships, support student assistance programs, and enhance regular academic programs. As a tax-exempt, non-profit corporation under IRS Code 501(c)3, the Foundation accepts donations including cash, real estate, stocks, bonds, mutual funds, life insurance policies, and develops planned giving opportunities. For more information, visit the Delta College Foundation web page.

### College Overview

San Joaquin Delta College (SJDC) is a single college district at the northern end of the San Joaquin Valley, with its main campus 46 miles south of Sacramento and 85 miles east of San Francisco. SJDC serves approximately 2,300 square miles and portions of five counties, including San Joaquin, Calaveras, Sacramento, Alameda, and Solano. The City of Stockton is the most populated city in San Joaquin County and the 13th largest city in California (US Census 2010). Stockton is one of the most diverse cities in the nation [niche.com/US CENSUS], with a population that is approximately 40 percent Hispanic/Latinx, 20 percent white, 20 percent Asian, 12 percent Black/African American, and 8 percent Pacific Islander, Native American, or other races. SJDC is recognized as a Hispanic Serving Institution (HSI) and an Asian American Pacific Islander Serving Institution (AANAPISI).

Established in 1935, SJDC began as Stockton Junior College, a private lower-division program of College of the Pacific, with an initial enrollment of 73 students. The goal was to admit students who were not fully qualified for regular admission to Pacific, and the experiment was a success. In 1948, Stockton Junior College became Stockton College with a total student body of just under 2,000. At that time, all freshman and sophomore classes were moved to a 43-acre site south of Pacific's campus. The physical separation of Stockton College and College of the Pacific was followed in 1951 by the commencement of lower-division class offerings at Pacific. During the 1950s, as the educational needs of the region became paramount, Stockton College expanded its vocational programs and in 1963 legally separated from Stockton Unified School District and became San Joaquin Delta College.

After this separation, a new main campus was soon established about two miles north of the College's original home. The College continued to grow and by 1976 was serving an area larger than the states of Delaware or Rhode Island. With the passage of time came a need to build new facilities and upgrade existing ones, and voters made this possible by approving a \$250 million bond initiative in 2004. The bond led to high-profile improvements including the renovation of Goleman Library,

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construction of the Lawrence and Alma DeRicco Student Services Building, and the development of the new state-of-the-art Science and Math Building.

Work in other areas has continued since 2014, with the renovation of outdoor athletic facilities, the rededication of the Hazel Hill Child Development Center (originally established in 1994), and expansion of the Shima Building to house diesel and heavy equipment shops. In November 2024, voters generously approved a new \$598 million facilities bond that will allow the College to continue to grow and to meet the needs of the students and the community at large. SJDC now serves over 26,000 students annually.

The College offers 26 associate degrees for transfer (ADTs), 67 associate degrees (AA/AS), 145 certificates, and various transfer pathways. In the interest of strengthening the economic development of our community, the College provides programs that support local industry labor market demand (e.g., health care and social assistance). For example, the College trains more than 400 healthcare workers each year to fill critical jobs in our communities. SJDC collaborates with 14 community colleges and workforce and economic development organizations through the Central Valley/Mother Lode Regional Consortium in order to support regional economic growth. By further developing its training and educational programs, SJDC strives to meet the needs of regional business and industries.

Overall, the College is proud to be an economic driver in the northern San Joaquin Valley and Delta, a region that launched California into world prominence and continues to serve the nation and the state in both agriculture and industry. SJDC's annual economic impact on the community is an estimated \$572 million, with the College supporting thousands of jobs across the region. In 2019, recognizing both the quality and value of the College, personal finance website WalletHub ranked SJDC as the top community college in California and the fourth best in the nation [Press Release].

The College has three established locations:

**Main Campus**  
5151 Pacific Avenue  
Stockton, CA 95207

**South Campus at Mountain House**  
2073 S. Central Parkway  
Mountain House, CA 95391

**Manteca Center**  
5298 Brunswick Road  
Manteca, CA 95336

Classes are also offered for north county residents at the World of Wonders Science Museum in Lodi.

## 2025-2026 Academic Calendar

### May 2025

May 26	Memorial Day - Holiday - Campus Closed
May 27	Summer Session Begins

### June 2025

June 19	Juneteenth Day - Holiday - Campus Closed
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### July 2025

July 4	Independence Day - Holiday - Campus Closed
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### August 2025

August 1	Summer Session Ends
August 15	Fall Classes Begin

### September 2025

September 1	Labor Day - Holiday - Campus Closed
September 16	National Voter Registration Day
September 26	Native American Day - Holiday - Campus Closed

### November 2025

November 11	Veterans Day - Holiday - Campus Closed
November 27-28	Thanksgiving - Holiday - Campus Closed

### December 2025

December 8-12	Final Examinations
December 12	Fall Semester Ends

### January 2026

January 9	Spring Classes Begin
January 19	Martin Luther King, Jr. Day - Holiday - Campus Closed

### February 2026

February 13	Lincoln's Birthday Observance - Holiday - Campus Closed
February 16	Presidents' Day Observance - Holiday - Campus Closed
February 17	Lunar New Year – Holiday – Campus Closed

### March 2026

March 9-13	Spring Recess - No Classes Held
March 31	Cesar Chavez Day Observance - Holiday - Campus Closed

### May 2026

May 4	Early Voting Begins
May 11-15	Final Examinations
May 14	Commencement
May 15	Spring Semester Ends
May 18	Last Day to Register to Vote
May 25	Memorial Day - Holiday - Campus Closed

### June 2026

June 2	Primary Election
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It is the individual student's responsibility to drop classes or withdraw from the college. For Refund Dates, Last Day to Drop without a "W," and Last Day to Drop with a "W," please refer to the Schedule of Classes.

\*Dates and Information are Subject to Change. See the Registration Calendar for most accurate information.

## Admissions, Records, and Registration

### Office of Admissions and Records

*DeRicco Student Services Building (209) - 954-5151*

The Office of Admissions and Records coordinates the admission and registration process and maintains student records. Students may apply for admission, register for classes, request academic transcripts, or obtain a verification of enrollment by visiting the college website, [www.deltacollege.edu](http://www.deltacollege.edu).

### Admission Regulations and Requirements

San Joaquin Delta College is a fully accredited, public, two-year community college awarding credit that may be transferred to four-year colleges and universities. The college confers Associate in Arts (AA) and Associate in Science (AS) degrees, Certificates of Achievement, Career and Technical Education (CTE) programs, and non-credit Certificates of Completion and Certificates of Competency. Courses are offered at the Stockton campus, the South Campus at Mountain House, online, and at other locations throughout the district.

Eligible applicants include:

- High school graduates
- Holders of a California High School Proficiency Certificate or General Education Development (GED) certificate
- High school students eligible to attend through the College Early Start Program; or
- Individuals 18 years of age or older who can benefit from instruction as determined by standardized testing or other verifiable indicators (i.e. recommendations from professional educators or counselors not employed or affiliated with the college).

The Student Success and Support Program (SSSP) is designed to promote student access and achievement through the provision of core services including, orientation, counseling, and educational planning. Completion of admission requirements does not constitute registration. All students applying to San Joaquin Delta College, regardless of location, are required to complete the following steps:

1. Apply for Admission - Complete an online Application for Admission at [www.deltacollege.edu/apply](http://www.deltacollege.edu/apply) Assistance is available at the Delta Connect Center located on the first floor of the DeRicco Student Services Building;
2. Submit Transcripts - Submit official transcripts from all previously attended U.S. regionally-accredited college or university. Transcripts must be sent directly from the institution, either electronically or by mail, to the Office of Admissions and Records;
3. Placement for English and Math - All new students enrolling for the first time will receive placement for English and math based on their high school GPA and coursework. This information is collected through the application process and applied to the student's record. Students who do not have access to high school transcript data will be eligible to enroll in college-level and transfer-level English and math with support classes. For more information, see the Placement web page: [www.deltacollege.edu/placement](http://www.deltacollege.edu/placement);

#### Alternate ways to meet Placement Requirements:

- Submit official transcripts to the Office of Admissions and Records showing successful completion of English and math courses at another U.S. regionally-accredited college or;
- Submit official AP scores with qualifying results to the Office of Admissions and Records;
- Complete the Guided Self-Placement tool for English as a Second Language (ESL) placement.

#### Definitions:

- **Admitted Student:** An individual who has submitted an Application for Admission and has been officially admitted to the college.
- **Matriculated Student:** An admitted student who has also:
  - Declared an educational goal ( A.A./A.S., transfer, or certificate);
  - Been admitted to a specific program, (e.g., Nursing, Police Academy); or
  - Has maintained continuous enrollment under the declared educational goal.
- **Student Responsibility for satisfying requirements:** Each student must assume complete responsibility for:
  - Complying with the regulations and procedures set forth in the College Catalog;
  - Selecting courses that align with achievement of individual educational objectives; and
  - Meeting course prerequisites prior to enrollment.

The college, likewise, assumes no responsibility for misinterpretation by students of policies and procedures as presented in the College Catalog. Counselors and advisors are available and willing to assist students in planning their programs. Any questions concerning information contained in this section of the College Catalog should be referred to the Office of the Assistant Superintendent/Vice President of Student Services.

## Admission Requirements for F-1 International Students

International admission information is available online or in person from the Delta Connect Center located in the DeRicco Student Services Building, or by calling the International Student Office in the Office of Admissions and Records at (209) 954-5151 ext. 6164. A completed online International Student Application for Admission and required documents must be submitted by the dates listed in the Application & Semester Dates published on the college website. Students should complete an admissions application for their desired term as soon as possible due to visa processing times. Summer admission is not available for ESL students. For complete details, please refer to the International Students Admissions page of the college website.

### Admissions requirements include:

Completion of the online International Student Application for Admission;

1. A copy of the passport identification page;
2. Official transcripts and leaving certificate, or diploma from secondary schools (required) and from any college or university attended (optional);
3. Proof of English Language proficiency demonstrated in one of the following ways:
  - IELTS-with a score of 5 or higher
  - TOEFL- iBT with a score of 61
  - Computer-Based Test (CBT) 163 or higher
  - Paper-Based Test 490 or higher
  - PTE- 40 or higher
  - Duolingo- 95 or higher

Exceptions include if the student is applying from a country where the primary language of instruction is English or if the student is pursuing the ESL pathway program. If the student is pursuing the ESL pathway program, they will be required to take Delta College's online ESL Self-Guided Placement.

5. Proof of financial support; Please see the detailed breakdown of fees under Expenses for F-1 Students
6. A one-page autobiographical essay describing your reason for applying to SJDC, including your educational background and goals.;
7. \$50.00 application processing fee; and
8. F-1 transfer students in good academic standing must also submit a copy of all I-20s, a copy of the F-1 Visa, I-94, official transcripts from all schools attended in the United States, and a completed Transfer Form.

## English, ESL, and Math Placement

San Joaquin Delta College adheres to Title 5 California Code of Regulations subsection 55522 requirements. High school GPA and math courses completed are utilized for placement into English and mathematics courses. No students are required to repeat coursework that they have successfully completed in high school or college or take coursework that repeats competencies that the student has demonstrated through other methods of credit for prior learning. Please refer to the Graduation and Transfer Requirements area of the catalog for information about English, ESL, and math Placement, and ESL Course Sequencing. An English as a Second Language (ESL) guided self-placement is recommended to enroll in ESL courses. Students who speak English as a second language with or without a high school diploma or equivalency may elect to take the ESL Guided Self-Placement.

## College Credit for High School Courses

The articulation process is a system designed to help students advance from one course, program, or educational level to the next without the unnecessary repetition of equivalent courses for which credit has already been received.

Students who have completed an articulated course or courses in high school, with the minimum grade required, may have those courses accepted in lieu of comparable courses at San Joaquin Delta College. The articulated high school courses may also be used to satisfy requirements for a certificate program or major requirements in a degree program. The college is committed to a comprehensive articulation of instructional programs, with both secondary and post-secondary educational institutions, often referred to as 2+2+2 articulation. The 2+2 articulation links the high school or Regional Occupational Program (ROP) programs with San Joaquin Delta College programs. These articulated courses may lead to an Associate Degree or Certificate of Achievement when combined with courses taken at San Joaquin Delta College. The 2+2+2 articulation adds a four-year college or university program that leads to a Baccalaureate Degree where appropriate.

A listing of the currently articulated courses may be found on the Delta College web page at: [www.deltacollege.edu/student-services/articulation-office/2-2-articulation-agreements](http://www.deltacollege.edu/student-services/articulation-office/2-2-articulation-agreements).

If you have previously completed any of the above linked articulated courses, you may wish to obtain college credit by completing all of the steps, which can be found at: [www.deltacollege.edu/how-claim-articulated-credit](http://www.deltacollege.edu/how-claim-articulated-credit). For further information, contact the Office of Admissions and Records.

## College Early Start

College Early Start allows high school students to enroll in San Joaquin Delta College courses and earn college credit. Each school district may decide to also grant high school credit for SJDC classes. High School students may be considered for

## ADMISSIONS, RECORDS, AND REGISTRATION

College Early Start only if they are recommended by their principal or designee, and have the signed approval of their parent or guardian.

College Early Start students may not enroll in remedial courses. The enrollment of high school students in physical education classes is limited to five percent of all the students enrolled. Therefore, high school students should plan to enroll in physical education classes at their high school. Only students officially enrolled during the registration cycle, *before classes begin*, will be allowed to attend physical education classes. Under no circumstances will College Early Start students be permitted to register for any physical education course once the term begins.

Registration is limited to 11.0 units maximum per semester.

**As of Fall 2020, tuition and fees are waived for all high school students participating in College Early Start.** However, students are responsible for the cost of textbooks and other classroom or lab materials. For questions or more information about College Early Start, contact (209) 954-5811 or email [collegearlystart@deltacollege.edu](mailto:collegearlystart@deltacollege.edu) or visit the Regional Education Center in Holt 121C. *All students must meet San Joaquin Delta College's admissions, academic placement, and course prerequisite requirements.*

For general information about the admission of high school students, please see AP 5011, Admission of High School Students, which is located on the College website: [www.deltacollege.edu/shared-governance/policies-procedures](http://www.deltacollege.edu/shared-governance/policies-procedures).

### Admission Steps for Dual Enrollment Program and College Early Start

In order to participate in Dual Enrollment Program (DEP) or College Early Start (CES), students must complete the following steps:

1. Complete the online Application for Admission – Apply online by visiting the Dual Enrollment/College Early Start Admissions page: <https://deltacollege.edu/admissions-records-registration/apply-delta-college/pre-college>. For in person assistance with the admissions process, students are encouraged to visit the E-Services Lab located on the first floor of the DeRicco Student Services Building, Room 149, or at the South Campus at Mountain House. Please check the Delta College web site for hours of operation. For course prerequisite purposes, it is highly recommended that students submit a high school transcript during the admissions process.
2. Complete the appropriate DEP or CES form. Signatures of the parent or legal guardian and the high school principal or their designee are required. Home-schooled students must also provide a current Private School Affidavit to Admissions staff. A (CES) Form is required for each term for which the student intends to enroll. Dual enrollment students complete a DEP form only once, and are cleared for dual enrollment courses through graduation from high school.
3. Register for Course(s) – To view your registration date and time, or to register for classes, use the online registration system. For dual enrollment course offerings, students should contact their counselor or dual enrollment coordinator at their high school.

For additional information and important term dates, please refer to the online Registration Calendar. For assistance with the admissions or registration process, high school students should contact (209) 954-5811 or email [CollegeEarlyStart@deltacollege.edu](mailto:CollegeEarlyStart@deltacollege.edu) or [dualenrollment@deltacollege.edu](mailto:dualenrollment@deltacollege.edu).

### Evaluation Services

*DeRicco Student Services Building - (209) 954-5151*

The Office of Admissions and Records evaluates official transcripts from regionally-accredited U.S. colleges and universities to determine the equivalency of the coursework and how the courses will be accepted at San Joaquin Delta College. Students that have completed courses at other U.S. regionally-accredited colleges or universities should have official transcripts sent directly from the issuing institution, either electronically or by mail to be considered official. If sent by mail, the transcripts must arrive at the Office of Admissions and Records in a sealed envelope. For out of state institutions, course descriptions, or catalogs from each school at which courses were taken may be required.

Students will be notified of the receipt of transcripts via their Delta student email and can view accepted transfer credits in their MyDelta account (Academic Records > View Transfer Credit Report). Students should meet with a counselor to discuss progress toward degrees and certificates and for assistance with educational planning. Students may be awarded multiple degrees and certificates at San Joaquin Delta College.

### Fees

#### Enrollment Fees

**Active Military Fees** - Active military personnel and their dependents living within the District may have non-resident tuition fees waived for classes taken during their stay in California.

## ADMISSIONS, RECORDS, AND REGISTRATION

**California Resident Fees** - Students who are California residents are charged \$46.00 per unit, regardless of the number of units. Enrollment fee assistance is available to qualified students through the Financial Aid and Scholarships Department. Enrollment fees are subject to change.

**Credit by Examination** - Credit may be earned by a student who satisfactorily passes authorized examinations; the cost is \$46.00 per unit. The student may initiate a petition to challenge for credit by examination with advisement by a counselor. Credit by examination is not available during the summer intersession.

**Non-Resident Fees** - Non-resident students, those from other states or foreign countries, are charged \$312.00 per unit for tuition, plus \$46.00 per unit enrollment fee. Fees are due at the time of registration. United States citizens, permanent residents, undocumented persons, and persons holding a T or V visa may qualify for an Exemption from Non-Resident Tuition if the following criteria are met:

1. Attended a high school (public or private) in California for three or more years, OR attained three or more years of high school coursework and three years of attendance in California elementary schools, California secondary schools, or a combination of both OR attended or attained credits at a combination of California high school, California adult school, and California community college for the equivalent of three or more years (documentation required).
2. Graduation from a California high school or award of GED or CHSP in California OR completion of an associate's degree from a California Community College OR completion of the minimum requirements at a California Community College for transfer to a CSU (documentation required); or,
3. Application to INS for change of status (if applicable).

**Student Activity Fee** - The Student Activity Fee is a \$10.00 optional fee charged at the time of registration during the fall and spring semesters. Funds collected are used to support campus life activities, clubs, and scholarships. Students who pay the fee are eligible to receive a Mustang Pass/student identification card, apply for scholarships funded by the Associated Students of Delta College (ASDC), access to the Student Food Pantry, and discounts at local businesses and on-campus events. Requests to waive the fee must be received no later than the Refund Deadline date as noted in the Schedule of Classes or on the Registration Calendar. Questions regarding the Student Activity Fee should be directed to the Student Activities Office at (209) 954-5100.

**Student Representation Fee** - Students are assessed a fee of \$2.00 per semester which is used to provide support to student governmental affairs representation. A student may refuse to pay the fee for religious, political, financial, or moral reasons and shall submit such refusal in writing.

**Payment of Fees** - Enrollment fees are due at the time of registration. Payments may be made by credit card (MasterCard or Visa only) through MyDelta or in person at the Cashier's Office located in the Horton Administration Building, Room 102A.

**Refund Policy for Fees** - Enrollment fees and/or tuition, laboratory fees, and supply fees are refundable only if the:

1. Class has been canceled by the college, subsequent to registration;
2. Registration has been accepted in error and the class is full;
3. Class time was changed subsequent to registration; or,
4. Class was dropped by the student no later than the refund deadline date.

**Refund Procedure** - refunds will be processed automatically to students who have dropped their course prior to the refund deadline.

For more information, please see BP/AP 5030, Fees, which are published on the College website: [www.deltacollege.edu/shared-governance/policies-procedures](http://www.deltacollege.edu/shared-governance/policies-procedures).

### Parking Fees

Parking permits are required to park in regular parking stalls on campus except in marked 30-minute and 60-minute visitor spaces. There are two parking permit options which can be used: semester permits which may be purchased online at [mycampuspermit.com](http://mycampuspermit.com) and displayed on the vehicle's front windshield; or a daily permit which may be purchased from a permit machine located near the entrance of every parking lot including Mountain House parking lots and displayed on the vehicle's dashboard.

**Enforcement Hours** - Parking permits are required 24 hours a day Monday through Friday (6:00 a.m. - 6:00 p.m.). Parking is free on weekends, holidays, and semester breaks. All other vehicle code provisions are enforced 24 hours each day.

**Notice** - This is a contract. This contract limits the District's liability. Parking permits entitle the holder to the rental of space only. No bailment is created. San Joaquin Delta College District is not responsible for loss of, or damage to the vehicle or any of its contents.

**Semester Parking Permits** - SJDC has partnered with Parking Management Bureau (PMB) to offer students, the convenience of purchasing semester parking permits online. You can buy your semester parking permit by

Parking Fees	Semester Fee	Summer Fee
Automobiles/trucks	\$30.00	\$30.00
Two-wheeled motor vehicles	\$24.00	\$16.00
Daily dispenser permit	\$2.00	\$2.00

## ADMISSIONS, RECORDS, AND REGISTRATION

visiting [mycampuspermit.com](http://mycampuspermit.com) on your smartphone, laptop, or desktop. After placing your order, the semester parking permit will be mailed to you. For help with your permit order, call 1-800-700-4417.

**Refunds** - Parking permit refunds will be given only if all classes are dropped on or before the same deadlines that apply to enrollment fee refunds. It is recommended that students determine actual parking needs before purchasing a permit.

**Disabled Parking** - Only vehicles with state issued "DP" plates or vehicles displaying a valid Department of Motor Vehicles disabled placard properly are allowed to park in disabled parking stalls. The disabled placard or plate must belong to the driver of the vehicle or a passenger in the vehicle and must provide DMV documentation upon request by an officer. All other vehicles will be cited, and the placard may be confiscated. California Vehicle Code requires a minimum \$275.00 fine (subject to change) for such violations. A parking permit or semester permit is not required while parked in a disabled parking stall or time parking stall while displaying a valid disabled parking placard or DP license plate. (AP 6750, 3/6/12)

## Residence Determination

**Legal Requirement** - California State law requires that each student enrolled in or applying for admission to a California Community College provide such information and evidence as deemed necessary by the Governing Board to determine their residence classification. Please review the information noted under Fees & Tuition on the Admissions, Records & Registration web page for detailed exemption information.

**Rules on Residency** - Adults 19 Years of Age and Older - A student 19 years of age or older may establish California residency if they meet the following criteria:

1. **Burden** - The burden is on the student to clearly demonstrate their physical presence in California, intent to establish California residence, and financial independence.
2. **Intent**
  - a. Intent to make California the permanent home may be manifested in many ways.
  - b. Objective manifestations of intent to establish California residency include, but are not limited to:
    - Owning residential property or continuous occupancy of rented or leased property in California
    - Registering to vote and voting in California
    - Licensing from California for professional practice
    - Active membership in service or social clubs
    - Payment of California State Income Tax as a resident
    - Showing California as home address on Federal Income Tax form (permissible if CA State Income Tax return was not filed)
    - Possessing a valid California motor vehicle registration
    - Possessing a valid California driver's license or California Identification Card
    - Maintaining permanent military address or home of record in California while in the armed forces
    - Establishing and maintaining active California bank accounts
    - Being the petitioner for a divorce in California
3. **One-Year Waiting Period** - The one-year residence period which a student must meet to be classified as a resident does not begin until the student is both present in California and has manifested a clear intent to become a California resident.
4. **Physical Presence**
  - a. A person capable of establishing residence in California must be physically present in California for one year prior to the residence determination date to be classified as a resident student.
  - b. Physical presence within the state solely for educational purposes does not constitute the establishment of California residence regardless of the length of that presence.
5. **Residence** - In order to establish a residence, it is necessary that there be a union of act and intent. To establish residence, a person capable of establishing residence in California must couple their physical presence in California with objective evidence that the physical presence is with the intent to make California the permanent home.
6. **Residence Determination Date** - "Residence determination date" is the day immediately preceding the opening day of instruction of the quarter, semester, or other session as set by the District Governing Board during which the student proposes to attend college.

## Transcripts

Official transcripts of courses taken at San Joaquin Delta College are prepared by the Office of Admissions and Records and issued according to the following regulations:

- Each transcript request must be submitted to the third-party vendor via the College website;
- Pursuant to CA Education Code Section 76223, "that no charge shall be made for furnishing up to

two transcripts of students' records..." Therefore, students are entitled to receive two free transcripts;

- After the first two complimentary copies, copies are available for a fee payable in advance;
- Each transcript will include the student's entire record of courses completed at Delta College;
- Official transcripts or records earned at other institutions that have been presented for

admission or evaluation become part of the student's permanent record and are not issued or copied for distribution;

- Due to the large number of transcripts requested at the end of each term, a minimum of two weeks should be allowed for requests to be filled during those periods. Transcripts verifying degrees may take longer.

### Transcripts from Other Schools

All records submitted become the property of Delta College and cannot be duplicated or returned to the applicant. A student who presents an official transcript of previous college or university work in courses parallel to those of Delta College may receive credit towards the A.A./A.S. degree from San Joaquin Delta College. The previous college or university must be a U.S. regionally-accredited institution and listed in the Accredited Institutions of Higher Education.

### Registration

Only admitted students may register for classes, and registration must be completed in MyDelta. Students may register for classes on or after their assigned registration date and time. Please refer to the Registration Calendar for important information regarding term dates and deadlines. It is the student's responsibility to provide documentation (*official* transcripts) to show proof of having met a course prerequisite when the prerequisite course was taken at another regionally-accredited college or university within the United States To avoid delays in registering for classes, transcripts must be submitted a minimum of 15 working days in advance of the student's assigned registration date and time.

Administrative/academic holds that prevent enrollment must be cleared before registration.

### Helpful Hints for Successful Registration

- Students must be admitted to the college and meet all placement and/or course prerequisite requirements before registering for classes;
- An assigned registration date and time is required to register for classes, except during open enrollment and after the term has begun. To view your assigned registration date and time, click on MyDelta and log in;
- Computers are available for student use in the Delta Connect Center located on the first floor of the DeRicco Student Services Building;
- To protect confidentiality, each student should conduct their own registration;
- Be prepared for registration. Have alternate sections of a class selected before registering in case your first choice classes are full;
- Administrative and/or academic holds that prevent enrollment must be cleared before registering for class;
- If you completed prerequisites at another regionally-accredited U.S. institution, it is your responsibility to submit official transcripts early (at least 15 working days prior to registration).

### Registration Priority

Priority registration will be provided for students who enroll in a community college for the purpose of:

1) degree or certificate attainment; 2) transfer to a four-year college or university; and/or 3) career advancement.

Students who have enrolled in courses at the College prior to the spring 2014 semester are not required to complete orientation, assessment, or to develop a student education plan for the purposes of priority registration.

Registration priority shall be provided to students in the order of the groups listed below:

#### Group One: Special Populations

The following groups who have completed orientation, and developed student education plans shall have equal priority:

- Homeless Students (AB 806);
- Identified active or former members of the Armed Forces of the United States (DD214);
- Any member or former member of the State Military Reserve;
- Dependents of Disabled Veterans  
Some priority consideration will be awarded to dependents of a disabled veteran whose verified disability is 100 percent service-related, dependents of a veteran who died as the direct result of military service, and dependents of a currently held and verified prisoner of war;
- Foster youth who are currently in foster care or emancipated foster youth up to 24 years of age. This priority registration shall remain in effect only

## ADMISSIONS, RECORDS, AND REGISTRATION

until January 1, 2017, and as of that date is repealed by the State of California, unless a later enacted statute, that is enacted before January 1, 2017, deletes or extends that date (AB 194);

- Homeless Students (AB 806);
- Students who are eligible and receiving services through California Work Opportunity and Responsibility to Kids (CalWORKs); Tribal

Temporary Assistance for Needy Families (TANF); Disability Support Programs and Services (DSPS); and Extended Opportunity Programs and Services (EOPS).

- Students who have a child or children under 18 years of age who will receive more than half of their support from that student pursuant to Education Code Section 66025.81.

### Group Two: Special Populations

The following groups who have completed orientation, and developed student education plans shall have equal priority:

- Student athletes that have been verified by the College to be eligible (in season) or capable of being eligible (out of season) for a competitive sport;
- Students receiving services through the International Students Program;
- Elected Officers of the Associated Students of Delta College; and
- Students receiving services through Puente; Black Excellence and Enrichment (B.E.E.) Academy; Native American Success Academy (NASA); Empowering Positive Initiatives for Change (EPIC); and Directing Adults on the Right TrAC for Employment (DARTE) Learning Communities

### Group Three:

Students who have completed orientation and developed a student education plan will have priority in the following order:

- Students who have earned: 46 - 65 units
- Students who have earned: 31 - 45 units and 0-15 units
- Students who have earned: 16 - 30 units or 66 - 90 units
- Students who have earned: 91+ units

### Group Four:

- Students who have not completed a student education plan
- Students who are on probation or have reached 100 units

Registration priority is lost at the first registration opportunity after a student:

- Is placed on academic or progress probation or any combination thereof for two consecutive terms, as defined in Education Code Section 55031.
- Has earned one hundred (100) or more degree-applicable units at this District and from other colleges or universities attended by the student.
  - For the purposes of this procedure, a unit is earned when a student receives a grade of A, B, C, D, or P as defined in Education Code Section 55023.
  - The 100 unit limit does not include units for non-degree applicable English as a Second Language or basic skills courses as defined in Education Code Section 55000(i) or special classes as defined in Education Code Section 55000.
  - Units earned through credit by examination, advanced placement, International Baccalaureate or CLEP are exempt from the 100 unit limitation.
- Has not been in attendance for two consecutive terms (excluding summer).

## Appeal Procedure

A student may file a General Petition with the Admissions and Records Office to appeal the loss of priority registration due to extenuating circumstances, or where a student with a disability applied for, but did not receive reasonable accommodation in a timely manner or where significant academic improvement has occurred. Significant academic improvement is defined as achieving no less than the minimum grade point average and progress standard established in Education Code Section 55031 for the term or terms.

Extenuating circumstances are verified cases of accidents, illnesses, or other circumstances beyond the control of the student. (AP 5055, 3/5/24)

## Special Admissions Programs

Separate from admission to the college, the following programs require a special application:

- Apprenticeship
- Basic Peace Officer Academy
- Nursing, Associate Degree in Nursing
- Psychiatric Technician/Technology
- Radiologic Technology
- Speech Language Pathology Assistant

## ADMISSIONS, RECORDS, AND REGISTRATION

To be assured consideration for special programs, all applicants must submit separate applications to the programs (including supporting documents as required). Each of the programs has separate qualifying admission requirements. Applicants must have fulfilled any prerequisite course(s) or experience requirements as prescribed by the different programs prior to admission. The college advises prospective applicants to supply complete and accurate information on the application for admission. Further, applicants must submit authentic and official documents when requested. Failure to provide complete, accurate, and authentic application documents may result in the denial of admission to the program.

Applicants who have received confirmation of the receipt of their application will be sent notification of acceptance or denial of admission to the program.

Admission to the program will be canceled automatically if the applicant accepted by the college for a given term fails to enroll for that term or fails to satisfactorily complete any work in progress. If the applicant wishes to re-apply at a later date, a new application to the program must be filed and new requirements, if any, must be satisfied.

### Apprenticeship

San Joaquin Delta College has been affiliated with apprenticeship programs providing Related and Supplemental Instruction (RSI) for over 50 years. Apprenticeship programs are designed for particular apprenticeship occupations, following the State of California Division of Apprenticeship Standards (DAS) approved program standards. All programs are governed by the DAS, Apprenticeship Committee, and the California Community College Chancellor's Office. Apprenticeship courses are available only to apprentices who are indentured to a particular apprenticeship program.

Apprenticeship programs are designed so that an employer hires the apprentice to increase occupational skills and knowledge while receiving On-the-Job Training (OJT). The apprentice also attends specific apprenticeship courses (RSI) provided or administered by Delta College. The apprentice's educational program and OJT are under the direction of the Apprenticeship Committee. Apprenticeship programs vary from two to five years in length.

San Joaquin Delta College provides or administers apprenticeship classes (RSI) for the following programs:

#### **Automotive and Related Trades**

- Automotive Collision Repair Technician
- Automotive Technician
- Caterpillar Dealer Engine Technician
- Caterpillar Dealer Equipment Technician
- Equipment Technician
- Forklift – Industrial Technician
- Heavy Equipment Technician
- On-Highway Truck Collision Repair Technician
- On-Highway Truck Technician

#### **Electrical Trades**

- Inside Wireman

#### **Department of Water Resources**

- Hydro-Electric Plant Electrician
- Hydro-Electric Plant Mechanic
- Hydro-Electric Plant Operator
- Utility Craft Worker

#### **Plumbers and Pipe Fitters**

- Pipe and Refrigeration Fitters
- Plumbers

#### **San Joaquin Regional Transit District**

- Bus Maintenance Technician

#### **Unilateral Programs**

- Calibration and Instrumentation Technician
- Electro-Mechanical Technician
- Machinist
- Maintenance Electrician
- Maintenance Machinist
- Maintenance Mechanic
- Maintenance Technician
- Mold and Tool Maker
- Packaging Technician

The apprentice will be recommended for a Journey Level Certificate issued by the State of California Division of Apprenticeship Standards when the apprentice completes the required apprenticeship courses, meets the minimum number of OJT hours working with an approved employer, and has positive employer evaluations. Some apprenticeship programs also offer national certification and recognition for reaching journey level. Many of the apprentices awarded Journey Level Certificates also earn a Delta College Certificate of Achievement or Associate in Science degree.

### Admissions Procedures

Admissions procedures are specified in the Program Standards for each specific state approved apprenticeship program. More information on the specific admission procedures can be obtained by contacting the CTE and Workforce Development Office located in Shima 217 or by calling (209) 954-5728.

## **ADMISSIONS, RECORDS, AND REGISTRATION**

### **Application Procedure**

Anyone interested in applying for an apprenticeship program must apply to the particular apprenticeship program and not San Joaquin Delta College. The apprentice is hired by an employer affiliated with one of the state approved programs prior to attending any apprenticeship classes.

Information about apprenticeship programs in the college's service area is available in the CTE and Workforce Development Office located in Shima 217 or by calling (209) 954-5728.

### **Selection Procedure**

The selection of the apprentice is made by the apprenticeship committee or employer according to the state approved Apprenticeship Program Standards. Once the applicant is selected for an apprenticeship program, the apprentice is required to complete a Delta College Application for Admission.

### **For Additional Information**

Interested individuals may contact the Delta College Workforce Development Office for more information.

### **Workforce Development Office**

5151 Pacific Avenue, Shima 217  
Stockton, CA 95207  
(209) 954-5728

### **Basic Peace Officer Academy**

The Basic Peace Officer Academy is certified by the Commission on Peace Officer Standards and Training (POST) to present a basic course to peace officers and pre-service students who qualify for program admission. The course includes fundamental principles, procedures, and techniques of law enforcement, including: Principled Policing in the Community, Criminal Law, Patrol Procedures, Cultural Diversity, Investigative Procedures, Report Writing, Defensive Tactics, Firearms, Leadership, Professionalism, Ethics, Use of Force/De-Escalation, Police Vehicle Operations, Traffic Enforcement, Accident Investigation, Handling Emotional Situations, Officer Wellness and First Aid/CPR. The course also includes a challenging physical requirement that will prepare students for police service.

The Delta College POST Academy works in partnership with police and sheriff's departments throughout an eight-county region. This academy is designed for basic entry-level training for the student preparing for a position as a police officer, deputy sheriff, or reserve peace officer assigned to patrol. Upon successful completion of the Academy, students receive a Certificate of Achievement from Delta College and a certificate of completion by the California Department of Justice, Commission on Peace Officers Standards and Training.

### **Entrance Requirements**

The following checklists will assist candidates to make their final decision to apply for enrollment in the POST Basic Academy program and to seek employment as a law enforcement professional:

1. Be a high school graduate, pass the General Education Development Test (GED) indicating high school graduation level, pass the California High School Proficiency Examination, or have attained a two-year, four-year, or advanced degree from an accredited college or university. The high school shall be either a United States public school, an accredited United States Department of Defense high school, or an accredited or approved public or non-public high school. Any accreditation or approval required by this paragraph shall be from a state or local government educational agency using local or state government approved accreditation, licensing, registration, or other approval standards, a regional accrediting association, an accrediting association recognized by the Secretary of the United States Department of Education, an accrediting association holding full membership in the National Council for Private School Accreditation (NCPSA), an organization holding full membership in the Commission on International and Trans-Regional Accreditation (CITA), an organization holding full membership in the Council for American Private Education (CAPE), or an accrediting association recognized by the National Federation of Non-public School State Accrediting Associations (NFSSAA). (Government Code section 1031(e)).
2. Be at least 20 years of age. Minimum age of 21 years old for peace officer employment.
3. No felony convictions or certain misdemeanor convictions that are disqualifying for employment as a peace officer [GC§1029; PC§12021(c); 18 USC 922(d)(9)] in the State of California. No restrictions for legal possession of firearms.
4. Successfully pass the multiple-choice POST Entry-Level Law Enforcement Test Battery examination with a total T-score of 42.0 or higher. This requirement may be waived if the candidate is a college graduate, or has taken and passed a college level English Composition class, or if the candidate is sponsored by a California law enforcement agency.
5. Must possess a valid California driver's license.
6. Successfully pass AJ 94 Peace Officer Academy Orientation.

7. Must obtain a medical release from a licensed medical doctor, upon acceptance to the program in order to participate in the rigorous training program.
8. Must submit a Department of Justice Firearms clearance form and sign a felony disclaimer upon acceptance to the program.

Information concerning acceptance to the Basic Peace Officer Academy may be obtained from the POST Academy Office, (209) 954-5258.

### Admission Procedure

Any person who meets the minimum qualifications to qualify for participation in the POST Academy Program (minimum qualifications) must complete and pass the multiple-choice POST Entry-Level Law Enforcement Test Battery examination scored by POST with a total T-score of 42.0 or better.

- **STEP 1: Pass the PELLETb Test**
  - Take the Test at Delta College
    - The PELLETb test is also offered several times a year through San Joaquin Delta College Post Academy. You must pre-register online. Registration is open generally three weeks prior to the test date.
  - Take the Test at an Off-Campus Facility
    - You can take the PELLETb exam at any facility that offers the POST Entry-Level Law Enforcement Test Battery Examination. Please refer to the POST web page <https://www.deltacollege.edu/program/post-academy> for a listing of departments/agencies post.ca.gov.
    - Once you have a passing total T-score letter of 42.0 or higher, email a copy of your T-Score notification to [post@deltacollege.edu](mailto:post@deltacollege.edu). If you submitted a qualifying T-score, you should receive an email notice with registration information for the next AJ 94 orientation class.
- **STEP 2: Apply as a Delta College Student**
  - Independent applicants who pass the POST Entry-Level Law Enforcement Test Battery with a total T-Score of 42.0 or better, as well as sponsored cadets must apply to San Joaquin Delta College as a student by completing the online application for Admission to the College or be a current student in good standing with the college ([deltacollege.edu](http://deltacollege.edu)).
- **STEP 3: Register for the AJ 94 Course**
  - All applicants must register in the prerequisite course, AJ 94 Peace Officer Academy Orientation, and successfully pass the class before being accepted to attend the Basic Peace Officer Academy. Information for registering into AJ 94 is provided by email to the applicants who have successfully passed the PELLETb exam with a score of 42.0 or higher and provided the Academy office a copy of your test results.
- **STEP 4: Prepare for the AJ 94 Peace Officer Academy Orientation Class**
  - All independent applicants must have the following prior to the beginning of the Peace Officer Academy Orientation:
    - Physical Medical Clearance
    - DOJ Clearance Via Live Scan
    - California Driver's License
  - Uniforms/Duty Gear as Specified in Uniform Requirement

### Selection Procedure

Applicants who are hired as a peace officer trainee and sponsored by a law enforcement agency shall have priority registration.

Applicants who earn a passing score on the PELLETb examination will be provided with the information for registering into the Academy orientation. If the number of independent applicants who earn a qualifying score on the POST PELLETb examination exceeds the available seats allowed, a class wait list will be established.

Independent applicants who place himself/herself on the class wait list will be admitted only with the permission of the Academy Coordinator. The applicants on the Class Wait List must attend the first class meeting and be present to be considered for movement from the Class Wait List to the class; however, it will be at the discretion of the Academy Coordinator to determine if you can be added to the Peace Officer Academy Orientation class.

#### For Additional Information

Information regarding the POST Academy:  
San Joaquin Delta College  
Attn: POST Academy, Holt Building 134  
5151 Pacific Avenue  
Stockton, CA 95207  
(209) 954-5258

## ADMISSIONS, RECORDS, AND REGISTRATION

### Nursing, Associate in Science Degree

San Joaquin Delta College offers a state and nationally accredited Associate Degree in Nursing (ADN) program. The ADN program prepares graduates to take the National Council Licensing Examination for Registered Nurses (NCLEX-RN). Once licensed, graduates are qualified to provide patient care in a variety of health care settings within the Registered Nurse scope of practice. The program is approved by the California Board of Registered Nursing and accredited by the Accreditation Commission for Education in Nursing, 3390 Peach Tree Road NE, Suite 1400, Atlanta, GA 30326.

Dameron Hospital, Doctor's Hospital Manteca, Kaiser Manteca Medical Center, Kaiser Modesto Medical Center, Adventist Lodi Memorial Hospital, St. Joseph's Medical Center, San Joaquin General Hospital, and Sutter Tracy Community Hospital are among the local health care facilities providing clinical training sites as well as assistance in clinical instruction.

### Admission Information

Students are admitted each fall and spring semester. Prior to ADN Program admission, the student must:

1. Be admitted to San Joaquin Delta College, in good standing with no holds on college records, and have an "active application" on file.
  2. Complete all prerequisite courses with a "C" or better grade.
  3. Have a minimum cumulative college grade point average (GPA) of 2.50 in science prerequisites and a 2.50 GPA in the non-science prerequisite courses.
  4. Complete the Assessment Technologies Institute (ATI) Test of Essential Academic Skills (TEAS) Exam with a composite score of 62 or better (best score of first three passing attempts is accepted).
  5. Complete the online ADN Program Application.
- Complete all health and safety requirements necessary for admission to hospital clinical practice sites (including a criminal background clearance; details will be provided in the ADN Admissions Packet) including: Background Clearance for criminal history
  - Physical Exam
  - Drug Screen
  - Current CPR card - The only CPR accepted is American Heart Association BLS [Basic Life Support] for Healthcare Providers; (Online CPR courses are not accepted)
  - Immunizations, TB, and Hepatitis and other disease screening
  - Professional Liability Insurance
  - Possess a valid Social Security number (SSN)/Individual Tax Identification Number (ITIN) as required by the State Board of Registered Nursing for licensure

Information concerning requirements and the application process for the Associate Degree Nursing Program (Registered Nurse), may be obtained online at [www.deltacollege.edu/program/registered-nursing](http://www.deltacollege.edu/program/registered-nursing). Other immunizations and lab tests may be required by the different hospitals. Further information regarding medical screening will be provided upon acceptance into the program.

### Prerequisite Course Information

Nursing program prerequisites include:

- MATH 37 College Algebra, MATH 37EX College Algebra with Support, or a higher-level math course; and

Non-Science Prerequisites:

- ENGL C1000 Academic Reading and Writing, ENGL C1000E Academic Reading and Writing Embedded Support, ENGL 1B College Composition and Literature, or ENGL C1001 Critical Thinking and Writing; and
- FCS 19 Human Development/H S 19 Human Development; and

Science Prerequisites:

- BIOL 22 Introduction to Medical Microbiology or BIOL 23 General Microbiology; and
- BIOL 31 Human Anatomy; and
- BIOL 32 Human Physiology

The science courses have a prerequisite of CHEM 3A which requires completion of Beginning Algebra or a higher-level math course with a grade of "C" or better. Applicants who have completed at least two semesters of high school chemistry with a grade of "C" or better, and Beginning Algebra in high school with a grade of "C" or better may have met these requirements. Please see a college counselor to discuss this option. Please note that the requirement of MATH 37/MATH 37EX or a higher-level math course will not be used in computation of science or non-science GPA.

### Application Procedure

The online application will be available during posted submission dates at the Health Sciences/ADN Program web site. Applications are accepted twice a year for entry into fall semester and for entry into spring semester. Submission dates will be posted online at [www.deltacollege.edu/program/registered-nursing](http://www.deltacollege.edu/program/registered-nursing).

## ADMISSIONS, RECORDS, AND REGISTRATION

Prerequisite courses completed at United States regionally accredited colleges and universities other than San Joaquin Delta College must be comparable in theory and laboratory content, and hours of instruction to Delta College courses. Official transcripts for prerequisite courses taken at other colleges and universities must be submitted in the event that the student meets minimum qualifications and is asked to provide supporting documentation to the online application. Course descriptions must come from the specific catalog year in which the course was taken. Course descriptions may be obtained from the College Catalog or web page where the course was taken or may be obtained at [cso.collegesource.com](http://cso.collegesource.com). Determination of course equivalency will be completed by the San Joaquin Delta College Evaluations Office.

If the student is asked to submit an Official Transcript, it must be presented in an official and sealed envelope from the originating college or university. Electronic transcripts must be transmitted from a secure site linked to the sending college or university.

### Selection Procedure

The selection procedure will be a blended combination of multi-criteria screening (90%) and random selection (10%) process. Details are available online at [www.deltacollege.edu/program/registered-nursing](http://www.deltacollege.edu/program/registered-nursing).

### Additional Information

Information regarding program requirements and courses is available online at [www.deltacollege.edu/department/health-and-fitness](http://www.deltacollege.edu/department/health-and-fitness).

Recognition is given for prior education and training. Psychiatric Technicians (PT) and Licensed Vocational Nurses (LVN) who hold a current license may be eligible to enter the program as an advanced placement candidate. Information for PT-ADN and LVN-ADN is available online at [www.deltacollege.edu/department/health-and-fitness](http://www.deltacollege.edu/department/health-and-fitness). Students requesting advanced placement must apply during one of the regular online application periods. Up to fifteen units of credit may be earned through challenge examinations. Refer to "Credit for Prior Learning" in this catalog.

Students requesting transfer to the ADN program from other registered nursing programs must apply during one of the regular online application periods and choose the "transfer" option. Submission of official transcripts from the college where course work was completed along with detailed nursing course syllabi, course outlines, objectives, and catalog descriptions and a recommendation letter from the former Dean/Director is also required. Applications for transfer will be reviewed by the nursing program faculty and Director of Nursing for determination of acceptance and placement in the program. Information for transfer is available online at [www.deltacollege.edu/program/registered-nursing](http://www.deltacollege.edu/program/registered-nursing). The San Joaquin Delta College ADN program policy does not permit transfers from students who have not successfully completed courses in prior programs.

## Psychiatric Technician/Technology

The Psychiatric Technician Program is a 51-week educational program approved by the State of California's Board of Vocational Nursing and Psychiatric Technicians (BVNPT). The program prepares graduates to take the State of California licensing examination. Licensed Psychiatric Technicians are qualified to practice in a variety of health care settings and provide patient care within the parameters of the Psychiatric Technician scope of practice. A San Joaquin Delta College certificate is awarded upon successful completion of the program.

The Associate Degree in Psychiatric Technology provides an additional level of advanced education, which broadens the scope of educational and career opportunities for graduates of the Psychiatric Technician Program. Students who complete one of the general education patterns (AA-GE, CSU-GE, or IGETC-CSU) can qualify for an Associate in Science Degree in Psychiatric Technology upon completion of the Psychiatric Technician Program.

St. Joseph's Behavioral Health Center, Kaiser Manteca Medical Center, California Health Care Facility, San Joaquin General Hospital, and San Joaquin County Mental Health Services are among the local health care facilities providing clinical learning sites.

### Admission Information

Students are admitted once a year. Prior to admission to the Psychiatric Technician Program, the student must:

1. Be admitted to San Joaquin Delta College, in good standing with no holds on college records;
2. Complete all prerequisite courses with a "C" or better grade;
3. Complete the online Psychiatric Technician Program Application;
4. Possess a valid Social Security number (SSN) as required by the state Board of Vocational Nurses and Psychiatric Technicians for licensure; and
5. Have a High School Diploma or GED

## ADMISSIONS, RECORDS, AND REGISTRATION

### Prerequisite Course Information

Psychiatric Technician Program prerequisites include:

- H S 19 Human Development/FCS 19 Human Development; and
- PSYC C1000 Introduction to Psychology; and
- FCS 6 Nutrition; and
- BIOL 31 Human Anatomy or ; and BIOL 33 Anatomy & Physiology
- BIOL 32 Human Physiology

\*This course requires completion of CHEM 3A which requires completion of Beginning Algebra with a grade of "C" or better. Applicants who have completed at least two semesters of high school chemistry with a grade of "C" or better, and Beginning Algebra in high school with a grade of "C" or better may have met these requirements. Please see a college counselor to discuss this option.

### Application Procedure

Candidates must be admitted to San Joaquin Delta College or submit a college application for admission online at [www.deltacollege.edu](http://www.deltacollege.edu) prior to submitting the online application to the Psychiatric Technician program.

### Candidates must be:

1. 18 years of age
2. A high school graduate\* or possess any one of the following:
  - Official General Education Development (GED) certification (in official, sealed envelope); or,
  - Official California High School Proficiency (CHSP) certificate (in official, sealed envelope);
3. All candidates must satisfy the college placement requirements.

Candidates must complete all prerequisite courses (or equivalent) with a grade of "C" or higher and demonstrate a minimum cumulative grade point average of 2.5 for program prerequisite courses. All prerequisite courses must be completed prior to submitting an online application to the program.

Prerequisite courses completed at United States regionally accredited colleges or universities other than San Joaquin Delta College must be comparable in theory and laboratory content, and hours of instruction to San Joaquin Delta College courses. Official transcripts for prerequisite courses taken at colleges other than San Joaquin Delta College must be submitted with the application along with course descriptions and outlines for these courses. Course comparability will be determined by the college evaluators. A grade of "C" and a minimal cumulative grade point average of 2.5 is required for these courses.

Applications are online and are usually accepted once a year. Submission dates will be posted online at [www.deltacollege.edu/academics/transfer-and-career-pathways-tracs/health-and-fitness/psychiatric-technician/psychiatric](http://www.deltacollege.edu/academics/transfer-and-career-pathways-tracs/health-and-fitness/psychiatric-technician/psychiatric). Students admitted to the program are required to attend classes during the spring, summer, and fall semester.

### Selection Procedure

Students are admitted by random selection from the pool of qualified candidates.

### Health, Safety and Background Clearance Requirements

Health and safety requirements necessary for admission to hospital clinical practice sites (including a criminal background clearance; details will be provided in the PT Admissions Packet) include:

1. Background Clearance for criminal history;
2. Physical Exam;
3. Immunizations, TB, and Hepatitis and other disease screening;
4. Drug Screen;
5. Current CPR card. The only CPR accepted is American Heart Association BLS [Basic Life
6. Support] for Healthcare Providers. (Online CPR courses are not accepted);
7. Professional Liability Insurance; and
7. LiveScan fingerprint clearance through FBI and DOJ.

### For Additional Information

Other immunizations and lab tests may be required by the different hospitals and clinical sites. Further information regarding medical screening will be provided upon acceptance into the program.

Recognition is given for prior education and training. A Licensed Vocational Nurse from an accredited institution may be eligible to enter the program as an advanced placement student. LVN-PT applications will be available online at [www.deltacollege.edu/program/psychiatric-technician](http://www.deltacollege.edu/program/psychiatric-technician). Program requirements and procedures may change. Please see SJDC Health Sciences web site for the most current information.

Students requesting transfer to the PT program from other Psychiatric Technician Programs are directed to apply online during one of the regular application periods and select the "transfer" option. Official transcripts of course work completed in other programs in addition to detailed course syllabi, course outlines and objectives as well as a recommendation letter from the

former Dean/Director must be submitted for determination of acceptance and placement into the program. San Joaquin Delta College Psychiatric Technician Program policies do not allow transfers from students who have failed or been dismissed from other Psychiatric Technician programs.

Additional information concerning requirements for the Psychiatric Technician Program including the application process and selection procedures is available online at [www.deltacollege.edu/program/psychiatric-technician](http://www.deltacollege.edu/program/psychiatric-technician).

### Radiologic Technology

The San Joaquin General Hospital-Radiologic Technology Program is a two-year program in which graduates receive a certificate. Graduates are eligible to complete state certification examinations qualifying them to practice as a Certified Radiologic Technologists (CRT) in the state of California. With the additional, complementary completion of a degree, graduates are eligible to partake in national boards to become Registered Radiologic Technologists (RT-ARRT). Those accepted without a degree must have completed additional specified general education coursework to assure concurrent graduation from Delta College at the time of graduation from the school. Beginning in 2015 possession of an associate degree became a requirement for taking the National Board Exam (ARRT). Recognizing that Certification and Registration are intermediary to satisfying our program goals—students/graduates will be adequately prepared to become entry-level radiographers/professionals in the field of Medical Imaging—a major focus will be assuring degree completion either prior to or concurrent with program graduation. Radiologic Technologists work in the x-ray departments of hospitals, surgical centers, physicians' offices, and clinics.

#### Accreditation

Joint Review Committee on Education in Radiologic Technology  
20 North Wacker Drive, Suite 2850  
Chicago, Illinois 60606-3182

Phone: (312) 704-5300  
Email: [mail@jrcert.org](mailto:mail@jrcert.org)  
Website: [www.jrcert.org](http://www.jrcert.org)

#### Admission Procedure

**Admission requirements include:** Satisfactory completion of program prerequisite courses;

1. Completion of health and safety requirements including a medical exam, immunizations, malpractice insurance, and professional level (AHA) CPR;
2. Documentation that the candidate is 18 years of age or older by July of the year of application;
3. Background and drug screening; and
4. Any additional requirements identified by the training facilities.

Admission is not guaranteed.

#### Prerequisite Course Information

Prerequisite courses must be complete at the time of submission of the application. All courses must be completed with a grade of "C" or better AND the cumulative prerequisite grade point average (GPA) must be 2.5 or higher.

Prerequisite courses utilized in the GPA calculation include:

- BIOL 31 Human Anatomy ; and
- BIOL 32 Human Physiology\*; and
- CS 11 Fundamentals of Computer Science; and
- ENGL C1000 Academic Reading and Writing or ENGL C1000E Academic Reading and Writing Embedded Support ; and
- H S 36 Medical Terminology and Speech; and
- MATH 37 College Algebra , MATH 37EX College Algebra with Support, PSYC 2 Statistical

Methods for Psychology & Social Science, STAT C1000 Introduction to Statistics, STAT C1000E Introduction to Statistics Embedded Support, or a higher level math course; and

- PSYC C1000 Introduction to Psychology or SOCIO 1A Introduction to Sociology

\*Prerequisite courses to BIOL 32 include CHEM 3A .

Prerequisite courses not utilized in the GPA calculation include:

- H S 85 Survey of Rad Tech Careers

#### Prerequisite Verification Procedure

1. Candidates must apply directly to the School of Radiologic Technology. Those accepted into the program must subsequently apply and be admitted to Delta College.
2. Candidates must provide documentation of high school completion or equivalency by one of the following:
  - Official high school transcript (in an official, sealed envelope);
  - Official GED certificate (in an official, sealed envelope); or
  - Official High School Proficiency Exam certificate (in an official, sealed envelope)

## ADMISSIONS, RECORDS, AND REGISTRATION

All certificates or transcripts must be submitted in envelopes sealed at the originating institutions and submitted with the application. Foreign transcripts are not accepted.

3. Applicants must have completed the seven prerequisite core courses listed and satisfy the San Joaquin Delta College's general education component. These must be completed prior to applying to the program.
4. Candidates must complete all prerequisite courses (or equivalent) with a grade of "C" or better and obtain a cumulative prerequisite GPA of 2.5 or greater. Prerequisite courses completed at other United States regionally accredited colleges or universities must be equivalent to Delta College courses. Final equivalency determinations will be made by San Joaquin Delta College Evaluations Department. All prerequisites must be completed at the time of submission of the application.

### Additional Information

Applications for the Radiologic Technology program and instructions are available at [www.deltacollege.edu/program/radiologic-technology](http://www.deltacollege.edu/program/radiologic-technology).

The School of Radiologic Technology will not discriminate against any candidates because of age, race, creed, color, political affiliation, sex, physical handicap, or national origin. Candidates should be aware, however, that the occupation of radiology technologist requires a considerable amount of lifting, bending, and the operation of heavy equipment.

Physical status and mental capabilities must be such that the candidate can perform all the duties of a radiologic technologist, which include, but are not limited to:

- Ability to participate in patient-technologist communication
- Give verbal commands
- Lift objects well over 25 pounds
- Bend
- Transfer patients from gurney or wheel chair to table
- Perform mathematical calculations
- Interpret written material; and
- Perform hand/eye coordinated maneuvers

San Joaquin General Hospital School of Radiologic Technology does not accept transfer students.

### Medical Information

Students entering the program will be required to complete a tuberculosis skin test and verification of vaccine or titers for rubella, mumps, poliomyelitis, tetanus, diphtheria, and varicella prior to beginning clinical training. Hepatitis B immunization is also highly recommended. Other immunizations and lab tests may be required by the different hospitals. Further information regarding medical screening will be provided upon acceptance into the program.

Program policies and procedures may change at any time. Information concerning requirements for the Radiologic Technology Program can be obtained online at the SJDC Health and Fitness TrAC, Radiologic Technology web page.

## Speech Language Pathology Assistant

The Speech Language Pathology Assistant program curriculum prepares graduates to work under the supervision of a licensed Speech Language Pathologist at special education sites, community agencies, health care facilities, and private clinics. Students will be trained to assist in the speech and language rehabilitation of communication disordered children and adults. The Speech Language Pathology Assistant Associate in Science degree program is approved by the State of California Speech Language Pathology and Audiology and Hearing Aid Dispensers (SLPAHAD) Board. Students are prepared to practice according to the American Speech, Language, and Hearing Association (ASHA) scope of practice for Speech Language Pathology Assistants. The Associate in Science (AS) degree will be awarded upon completion of all required courses with a grade of "C" or better. Costs associated with health screenings, immunizations, fingerprinting, and felony disclaimers required for public safety and public health is the responsibility of the student participating in the program. Contact the Health and Fitness TrAC, Speech Language Pathology Assistant web page for detailed information.

### Admission Information

The student must:

1. Be admitted to San Joaquin Delta College, in good standing with no holds on college records;
2. Be at least 17 years of age;
3. Satisfactory completion of program prerequisite courses; and
4. Complete all health and safety requirements necessary for admission to clinical practice sites (details will be provided in the SLPA Admissions Packet) including:
  - Background Clearance for criminal history
  - Physical Exam
  - Immunizations, TB, and Hepatitis and other disease screening
  - Drug Screen
  - Professional Liability Insurance
  - Any additional requirements identified by the training facilities

### Prerequisite Course Information

- COMM DIS 1A Introduction to Communication Disorders; and
- H S 19 Human Development/FCS 19 Human Development; and
- ENGL C1000 Academic Reading and Writing or ENGL C1000E Academic Reading and Writing Embedded Support

Speech Language Pathology Assistant, Advanced Placement Certificate pre-requisites include:

- Completion of a bachelor's program in Speech-Language Pathology, Communication Sciences and Disorders or related field (applicants may apply for conditional acceptance in the last semester of their bachelors program) with a GPA of 2.75 or higher.

### Application Procedure

The online application will be available during posted submission dates at the Health Sciences/SLPA Program web page: [www.deltacollege.edu/program/speech-language-pathology-assistant](http://www.deltacollege.edu/program/speech-language-pathology-assistant).

Applications are accepted in the spring and fall for enrollment the following semester.

### Selection Procedure

All applicants who meet the admission criteria will be admitted. Due to limited space in the program, it may be necessary to establish a wait list for some semesters. Wait listed students will be considered accepted to the program and waiting for an available spot. Wait listed students will not need to re-apply. All efforts will be made to enroll wait-listed students within one year of their application. When a wait list is necessary, enrollment will be decided by random selection.

Program procedures and policies may change at any time. Please consult the SJDC Health and Fitness TrAC/SLPA Program web page <https://deltacollege.edu/department/health-and-fitness> for the most current information.

Information regarding SLPA program requirements and courses is available online at: [www.deltacollege.edu/program/speech-language-pathology-assistant](http://www.deltacollege.edu/program/speech-language-pathology-assistant).

Students who have completed a BA/BS in Communication Sciences and Disorders may be eligible to enter the program as an Advanced Placement candidate. Please see information and instructions at [www.deltacollege.edu/program/speech-language-pathology-assistant](http://www.deltacollege.edu/program/speech-language-pathology-assistant). Other BA/BS degree students are not eligible for this option and must complete all requirements for the Speech Language Pathology Assistant, AS Degree.

## Student Resources and Support

### Programs

#### Athletics - Intercollegiate

San Joaquin Delta College participates in 21 intercollegiate sports, 11 women's teams and 10 men's teams. Delta College maintains a program that adheres to institutional, California Community College Athletic Association and Conference policies, and operates in an efficient and effective manner. It is the goal of the Department of Athletics to provide an environment that encourages academic and competitive success. Athletics at Delta College enhances college life, contributes to the retention of our students, and fosters pride in the college and community relations. It also successfully encourages the transfer of our athletes to four-year colleges and universities. Please visit the official site of the Delta College Mustangs - Department of Athletics at [www.deltacollegeathletics.com](http://www.deltacollegeathletics.com)

#### Baseball

The Mustangs compete in the Big 8 conference, which is arguably the best in California. Six teams in the conference have recently won a State Championship. With a FieldTurf synthetic surface, 300 stadium seats, 80' dugouts, and full plyo wall, Nick Cecchetti Field is among the finest facilities in junior college baseball. Since 2008, the San Joaquin Delta College baseball program has established itself as one of the best junior college programs in the nation. It currently has produced the most NCAA Division Players of any junior college in the country. Delta has been to seven of the last twelve California Community College Final Fours. The trips included two State Championships in 2011 and 2018 and three State Runner Up finishes in 2009, 2014 and 2015. Delta has been in the Perfect Game National Rankings eight times, produced 30 professional players, and over 100 NCAA division 1 transfers, and 16 All Americans. Head Coach, Reed Peters, has been recognized as the Junior College National Coach of the Year in 2018, and Regional Coach of the Year three times.

#### Basketball (Men)

Men's basketball has made eleven appearances in the Sweet 16, four appearances in the Elite Eight, two in the Final Four, and earned nine conference championships over the past 20+ seasons. More importantly, well over 150 players have come through the program. Players have earned scholarships and transferred to four-year institutions with many going to NCAA Division I colleges and universities, including Washington State University, University of Oklahoma, Gonzaga University, Drake University, Idaho State University, Oregon State University, University of the Pacific, UC-Davis, UC-Santa Barbara, San Jose State University, and CSU-Sacramento.

#### Basketball (Women)

The Lady Mustangs have been a program to contend with since their Bay Valley Conference Title in 1997. The Delta College women's basketball team has been conference champions for fifteen of the past twenty-nine seasons and four of the past five competitive seasons. The Delta Mustangs have advanced to the California state Elite Eight Tournament sixteen times in the past 29 years. In 2006, 2009 and 2022, they were state runner-up and in 2014, 2015, 2019, and 2022 they made the Final Four in California. The 2020 team finished with the best record in

program history (29-1), won the Big 8 Championship and finished the season as the #1 ranked team in California before Covid-19 shut down the State Tournament. In 2022 the Mustangs were Big 8 Champions once again, finished with a 33-3 record, and advanced to the State Championship Game. The 2025 graduating sophomore class will graduate having been Big 8 Conference Champions for both 2024 and 2025 (back to back). Coach Johnson was named Big 8 Conference Coach of the Year for 2024-25. The most important statistic is the 97% graduation rate since 1997. Participants in this elite program will always be pushed to be the best they can be to prepare them to earn basketball scholarships to the four-year level. Over 100 athletes have earned scholarships and transferred to a four-year university to continue their playing careers. Coach Johnson currently has a 785 career wins which is the highest of any female Head California Community College Coach. The Mustangs will continue to graduate outstanding student-athletes who will keep adding to the legacy at San Joaquin Delta College.

#### Beach Volleyball (Women)

Building off the strength of their indoor volleyball program, Delta College began competing in beach volleyball in Spring 2018. This gives the college's volleyball student-athletes an opportunity to compete in both semesters. Head Coach Molly Hummel has helped get the program off to a solid start. In 2019 the team had their first doubles team qualify for the State Tournament.

#### Cross Country (Men and Women)

Cross Country has experienced a growth spurt at Delta College in recent years. The number of participants involved in the program is on the rise and successes are mounting. The student athletes participating are experiencing quality personal achievements in their races and in the classroom. In the 2010 fall season, our men's team qualified for the state meet for the first time in ten years and have qualified individuals to state every year thereafter. In 2021 the women's teams qualified for the state meet finishing 12th. In the same year, the women captured the Big 8 championship team title for the first time in 20 years. Both men and women had individual Big 8 champions as well. The coaching staff and the athletes are very excited about their recent victories and look forward to more of the same in the upcoming seasons.

### Football

Gary Barlow continues at the helm of Delta College Mustang football. Since assuming the reins as Head Coach in 2001, Coach Barlow has led the team to multiple conference championships, bowl appearances and bowl championships. The Mustangs were 2001 Shrine Bowl Champions, 2004 Holiday Bowl Champions, 2008 Hawaiian Punch Bowl Champions, 2011 Togo's Bowl Champion, 2012 Silicon Valley Bowl Champions, and in 2015 they were the Gridiron Classic Bowl Champions. Mustang football student-athletes continue to earn and accept full ride scholarships to major universities each year.

### Golf (Men and Women)

Tony Troncale has been the Head Coach for the Men's and Women's Golf Teams since 2008 at Delta college. In fact, he is the first and only coach for the Women's golf program. Both teams have had great success by continuously advancing to state championships. The teams benefit from the guidance Tony provides as a PGA Professional and several players from both the men's and women's golf teams have transferred to four-year schools continuing their golfing career. Delta College men's golf teams have gone on to be league champions in many seasons. In 2012 the women's team advanced to the State Championship and one of the players set a Northern California Regional playoff record. In 2013, the women's team had its first all-state player and several players advancing individually to the State Championship. In 2019 and 2021, the women's team finished 8th at the State Championships. Delta College looks forward to the continued growth of men's and women's golf.

### Soccer (Men)

The Delta College Men's Soccer team competes on the new 3G turf stadium with a sand and cork infill. With a huge fan capacity home games are exciting and full of energy. The team is a powerful soccer program and competes in the Big 8 Conference. The 2024 season was another record setting journey for the Mustangs. With a regular season record of 13-6-3, the team was crowned Big 8 Conference Champions on the final day of competition for the 2nd time in program history.

The 2023-2021 seasons proved challenging for the program, trying to rebound after being shut down by COVID. But the team's resiliency and identity proved that the program would always strive for success. In 2019 the Mustangs finished the season with a record of 13-7-4, ranked 8th in Northern California, 14th in the state, and 14th in the nation. This was the first season in school history that the Mustangs competed in the NorCal Regional Final in the elite 8. The Mustangs completed the 2018 season winning the Big 8 conference for the first time in program history, ranked 5th in Nor Cal and 8th in the state, boasting a final record of 14-2-4, and finished in the top 20 of the nation.

The program continues to grow and compete on the national level and looks forward to seeing what the recruiting class of 2025 will bring. The Delta region has a wealth of players feeding into the college's soccer

program. Many players have gone on to play at the Division I, II, and III levels, with several going on to compete at the professional level. Delta's soccer program unites a diverse population of student athletes with varying skills and backgrounds.

### Soccer (Women)

Adrienne Sorenson recently completed her 14th season as Head Coach of the women's soccer team. In fall of 2021, the program won their second consecutive Big 8 Conference Championship title and set the program record for winning percentage (.955%) with a 20-0-2 overall final record along with the program record for goals scored in a season (100). During the 2018, 2019 and 2022 seasons, the team finished in the Final Four in the CCCAA State Championships. In 2019, the team set numerous program bests including most wins (23) and a 7th place ranking in the final National Soccer Coaches Association of America (NSCAA) poll. The area is rich in soccer talent and Coach Sorenson has built strong partnerships with coaches and programs in the greater central valley to build a powerful soccer program. Delta is the only California community college to appear in the top 10 United Soccer Coaches Association final national ranking four of the last five seasons. Since Sorenson took over the program in fall of 2010, the team has qualified for the post-season every season from 2011 to the present. In fall 2016, the program opened a state-of-the-art soccer only turf complex, and from that season forward has gone deep into the post season with four State Elite 8 appearances, back-to-back Final 4 appearances, and back-to-back Big 8 Conference Championship titles, including winning the first inaugural Big 8 Conference tournament in 2021. Many of the women have received athletic scholarships to play at Division I and Division II schools, including Fresno State University, San Diego State University, New Mexico State University, Cal State Stanislaus, San Francisco State, and many others. The student-athletes leave Delta College with an appreciation for the blend of athletics and academics required to be successful.

### Softball

In 2019, Delta won the Big 8 Championship and finished 4th in the state. The 2017 Delta Squad won the Big 8 Championship, was ranked as high as #2 in the State, and competed in the CCCAA State Championship final four. In addition, Head Coach Jim Fisher was selected as the CCCAA Softball Coach of the Year in Northern California. The team again qualified for the CCCAA State Championships in 2018 and finished 7th in the State. In the past sixteen seasons, the Lady Mustangs have won conference championships three times, competed in the state tournament five times, earning 2nd and two 4th 5th and 7th place finishes. Several players have earned All-American and All-State honors. With an area rich in softball talent, Delta College continues to produce quality softball teams and sends numerous players on to four-year institutions to complete their academic and athletic careers. In 2011, the team finished as the state runners-up and in 2014, 2015, 2017, and 2018 they finished in the Elite Eight of the state championships.

## STUDENT RESOURCES AND SUPPORT

### Swimming/Diving (Men and Women)

Michael Maroney has been at the helm of Delta's men's and women's swim team since 2008. During his tenure, Delta has continued the school's storied history of producing some of the finest swimmers in the State. On Maroney's watch, Delta has produced 10 State Champions, three state meet high-point award winners, 22 Big 8 Champions, and one national record. Maroney is a seven time All-American in swimming and water polo and has held the sprint freestyle school records at all schools he attended. In 1992, Maroney became the first swimmer in University of the Pacific's history to break the 20 second mark in the 50 Free. He was also honored with All-Big West Conference Teams in both sports, and captain of the 1992 water polo & 1993 swim teams at University of the Pacific. Michael is married to Stockton-native Sherrie Hammer, and father to his step-son Robert Patrick III, and his three sons; Tyler, Connor, Clay who each have played and swam at Delta College for their dad.

Starting in 2023 Maroney is joined by Women's Head Swim Coach Nathan Varosh and assistant Taitum Ciesla. Varosh has been head Women's Water Polo Coach since 2011 and is bringing the winning culture he has curated over a decade to the Women's Swim Program. Varosh has been an assistant swim coach in the program since 2011. Varosh has produced 27 Water Polo All-Americans in his tenure and looks to continue that trend to the Women's Swim Program. Varosh swam and attended Delta College in 2000 and 2001 before perusing his coaching career in swimming and water polo.

Robert Wimberley rounds out the amazing Delta Aquatics Staff as Head Diving Coach. Wimberley won State Dive Coach of the year honors and most recently produced two-time Big 8 and Nor Cal Men's Champion Tony Ortega in 2021-23.

The group is dedicated to creating a spirit of competition and pushing the Delta athletes to meet their potential.

### Track and Field (Men and Women)

The incredible tradition of track and field that began with the coaching of Merv Smith and Raydell Barkley at Delta College continues. During their eras, they turned out numerous track and field athletes many of whom are now coaches. In recent years, Delta College has regained its prominence in Northern California. In the 2014 season, the women's team was Big 8 champions and both men's and women's teams finished eighth in the State. The men's team finished in the top ten in the state in both 2017 and 2018. In the 2021 season, the teams had multiple top ranked athletes and a few who are on track to have record breaking seasons. Under Head Coach Lauryn Seales and Les Anthony II, the programs are growing and thriving.

### Volleyball (Women)

The women's volleyball team has been a perennial powerhouse in California for the past 32 years and has recorded an 80% won/loss record. During that time, they recorded first place finishes in their conference 21 times, second place seven times, and third place seven times. They have participated in the prestigious California State

Championships on 22 occasions. The team had a tremendous season in 2017, finishing 2nd in the CCCAA State Championships. Under Head Coach Molly Hummel (2014, 2015, 2022 and 2023 Big 8 Coach of the Year; 2022 and 2023 North California Coach of the Year; 2023 AVCA 2-Year Coach of the Year), the program continues to flourish. As a result of participating in the volleyball program at Delta College, many players have gone on to compete at the Division I, II, and III levels including at the University of the Pacific, CSU Long Beach, CSU Fresno, University of Oregon, UNLV, Cal-Poly SLO, University of Pittsburgh, CSU East Bay, CSU Stanislaus, Weber State University, St. Mary's College, Barry University University of Wyoming, CSU-Fullerton, San Jose State University, Fordham University, and East Tennessee State University just to name a few. Participation in the program is highly competitive.

### Water Polo (Men)

Delta men's water polo has one of the richest histories in Northern California. The program has produced three USA Water Polo Hall of Famers and countless team titles and championships. Since Michael Maroney took over the program in the fall of 2009, he has produced four Big 8 Conference titles (2013, 2014, 2015, 2016), and four Big 8 MVP's. During the five-year span between 2013-2017, Delta teams were ranked in the State final top 4 ranking three times and were never ranked lower than 8th. Maroney founded three different college teams: University of the Pacific (Women) 1993, Texas A&M – Corpus Christi (Men-club) 1996, and Hartwick College (Women) 1999. He also coached at the California Maritime Academy, and the UOP men's team from 2003-2007 before taking over for the Mustangs. Maroney is one of the few coaches to win the USA Water Polo Coach of the Year awards in three different zones: Southwest Zone ('98,'99), Northeast Zone ('02), and California Central Valley ('05). He has also been named Coach of the Year by the College Water Polo Association (2000, 2001, 2002), the East Coast Athletic Association (2002), and Big 8 Conference (2013, 2014, 2015, 2016). From 1997-1999 Maroney was on the USA National Junior Team coaching staff and traveled international for trainings and competitions during that span.

### Water Polo (Women)

Delta women's water polo team has become a perennial contender for the CCCAA State Championship and a household name in Collegiate Women's Water Polo. The team advanced to the 3C2A State Championship in seven of the last nine seasons, putting the stamp on the team's culture and core values that drive athletic success. The team continues to strive into dominance not only in the pool but in the classroom and beyond Delta College. Over 90% of Delta Women Water Polo Players transfer to a four-year institution and continue their playing careers while competing for their future with hard earned academics. Since 2015, over 100 Lady Mustangs have moved on to play at NCAA Water Polo at institutions including CSU East Bay, Sonoma State, CSU Long Beach, UC Davis, CSU Monterey Bay, Wagner College, Chapman University, Cal Lutheran, San Diego State, Fullerton, University of LaVern, UOP and more. This

## STUDENT RESOURCES AND SUPPORT

program is rooted in history, culture, and the desire to become the best people we can be every chance they get to work at it.

### **Wrestling (Men and Women)**

Michael Sandler has been the wrestling coach since 1992. During those years, the Mustangs have had over 100 state qualifiers, 45 state placers, 3 state champions, 24 All-Americans, and 50 Academic All-Americans. In 2019, Greg Viloiria became our first undefeated State Champion and was the tournament's Outstanding Wrestler. During Coach Sandler's time at the helm, the Mustangs have placed in the top twenty every year, with three top ten finishes and in the top 8 twice. Over the years, the wrestling program has had fifteen wrestlers go on to wrestle at all levels of NCAA and qualify for their conference championship and the national tournament.

Three have become All-Americans at their respective level. Coach Sander has been the Big Eight Coach of the Year twice Spring 2024 brought in the inaugural season for our women's wrestling program. Led by Coach Sandler, the program has established itself as one of the top programs in Northern California. In the first year of the program, we started with 4 girls. All four girls were on the podium with two third-place finishes, a fourth place, a sixth place, and two All-Americans. As a team, the Lady Mustangs took 9th place in the State. In 2025, we doubled in numbers and presently have one young lady ranked first in the state, second, third, and eighth. The program provides a great local opportunity for young women looking to continue their wrestling career after high school.

### **African American Male Education Network and Development (A2Mend)**

*Danner Hall - (209) 954-5151 ext. 6150*

The A2Mend charter provides an environment in which African American males can thrive via mentorship, academic support, and life skill lessons. Furthermore, A2mend is dedicated to improve academic success, promote professionalism and provide a space to encourage brotherhood and build confident student leaders for the future.

#### **Eligibility:**

- Must be a Delta College Student

#### **Requirements:**

- Must meet with an A2mend counselor once a month
- Must have a 2.0 GPA to participate in activities and conferences
- Must attend Bi weekly A2Mend meetings
- Must attend at least one A2mend event per semester

### **Black Excellence and Enrichment (B.E.E.) Academy**

*Danner Hall Room 204 - (209) 954-5151 ext. 6150*

The B.E.E Academy is a program designed to increase the retention and transfer rate for students of African descent, as well as other students of diverse ancestries to four-year colleges and universities. Emphasis is placed on the General Educational Curriculum: History, English, Science, Language, Visual and Performing Arts, and core discipline requirements. By using the Student Success and Support Program services, students will have access to counseling services, orientation, assessment, advising and other educational planning. The B.E.E. Academy seeks to educate our students by intentional and direct scholastic programming. In addition, the program exposes our scholars to educational events and university programs, including cultural events, leadership opportunities, and more. An essential component to the success of the B.E.E. Academy is the collaboration between students, parents, and community members, as well as the dedicated faculty and staff of San Joaquin Delta Community College.

#### **Eligibility Criteria:**

- Be a full-time student
- Maintain a 2.0 GPA and be in good standing with the college
- Complete an application and contract for the B.E.E. Academy
- Attend an interview/program orientation session  
Be planning to transfer to a four-year university
- Meet with a counselor and complete a Student Educational Plan
- Participate in scheduled B.E.E. Academy activities
- Participate in Study Hall activities

### **CalWORKs Assessment**

*DeRicco Student Services Building, Room 116 - (209) 954-5151 ext. 6335*

The CalWORKs Assessment Center provides assessment services required by the San Joaquin County Human Services Agency (HSA) for individuals enrolled in the county CalWORKs program. Services are available by appointment only through referral from HSA or its contract agencies.

## STUDENT RESOURCES AND SUPPORT

### CalWORKs Program

*DeRicco Student Services Building, Room 117 - (209) 954-5151 ext. 6209*

The CalWORKs Program at Delta College provides services to students receiving cash assistance from the Human Services Agency (HSA). Its purpose is to support student-parents in progressing toward their county-approved plan while ensuring their success in achieving their educational and career goals. While the program works closely with its HSA partners, it is composed of Delta employees and is funded by the California Community Colleges Chancellor's Office.

### Directing Students on the Right TrAC for Employment (DARTE) Program

*Shima, Room 217 - (209) 954-5012*

#### What is DARTE?

Thousands of working adults come to Delta each year looking to make a change. DARTE (Directing Adults on the Right TrAC for Employment) is a set of classes and support services known as a "learning community" that can give some of these students even more assistance along the way. Specifically, the program allows students who are in the process of earning their high school diplomas at an adult school to finish transfer-level math and English college courses at the same time. DARTE is also open to any other returning adult who simply wants to finish a certificate or degree, or transfer to a four-year college.

#### Objectives of DARTE:

- Support Adult Learners: provide a supportive learning environment tailored to the unique needs of adult learners
- Accelerate Educational Goals: enable students to complete high school diplomas and college courses simultaneously
- Facilitate Higher Education Transfer: assist students in transferring to four-year colleges or completing their degrees and certificates
- Provide Comprehensive Support: offer dedicated counseling and instructional support to ensure student success

#### Benefits for Students:

- Dedicated Counselor: each student is assigned a counselor who provides personalized guidance, helping students navigate their educational and career paths.
- Supportive Instructors: instructors in the DARTE program are committed to working closely with students to help them succeed in their courses
- Integrated Learning Community: students become part of a learning community that fosters collaboration, peer support, and a sense of belonging
- Dual Enrollment: students can earn high school and college credits simultaneously, accelerating their educational journey

#### DARTE Learning Community Structure:

- Orientation: An initial orientation session will introduce students to the DARTE program, its benefits, and available support
- Counseling Sessions: Regular counseling sessions will be scheduled to monitor progress and address challenges
- Academic Support: Instructors will provide additional academic support through tutoring and study groups
- Workshops and Seminars: Various workshops and seminars will enhance students' skills and knowledge
- Peer Support Groups: Students will be encouraged to participate in peer support groups to build community and shared learning.

The DARTE program is dedicated to helping adult learners achieve their educational and career goals. By providing a supportive learning community and comprehensive resources, we aim to empower students to succeed and positively change their lives. For DARTE program information, visit <https://www.deltacollege.edu/departments/darte-learning-community> or email Program Coordinator Dr. Heather Maloy at [heather.maloy@deltacollege.edu](mailto:heather.maloy@deltacollege.edu)

### Disability Support Programs and Services (DSPS)

*DeRicco Student Services Building, Room 110 - (209) 954-5151, ext. 6272*

Disability Support Programs and Services (DSPS) offers specialized services that increase access to academic programs and services for individuals with verified disabilities. Academic adjustments and auxiliary aides (accommodations) are based on individual functional and/or educational limitations as supported by documentation from an appropriate certified/licensed professional. Students requiring services must self-identify and are strongly encouraged to make an appointment with a DSPS counselor after applying to Delta College and completing the New Student Orientation session. To apply: please submit your disability verification along with the DSPS application and Consent for Release of Information form to the DSPS office or email at [dsps@deltacollege.edu](mailto:dsps@deltacollege.edu). These documents must be received in order to schedule an initial intake appointment to determine reasonable and appropriate accommodations. Accommodations will not fundamentally alter curriculum or certificate, degree, or transfer requirements.

## STUDENT RESOURCES AND SUPPORT

To schedule an intake appointment: once you have submitted all required application documents, please go to [deltacollege.edu/dsps](http://deltacollege.edu/dsps) and click Chat Now, or call our office at 209-954-5151 x6272 or stop by the DSPS office to schedule an appointment.

To update your accommodations: plan early and schedule counseling appointments two weeks in advance for each semester.

### Services:

- |   |  |   |
|---|--|---|
| • Accommodated Testing  | (through Physical Education Department)  | • Learning Skills Courses (LS)          |
| • Adaptive/Assistive Computer Technology and Instruction                | • Alternate Formatting                   | • Mobility and Furniture Accommodations |
| • Adapted Learning Transition to Work Courses (ALTW) Non-Credit Courses | • Campus/Community Liaison               | • Note-Taking                           |
| • Adapted Physical Education Classes                                    | • Computer Lab with Assistive Technology | • Specialized Counseling                |
|   | • Equipment Loan                         | • Work-ability III/Job Placement        |
|   | • Interpreting/Captioning                |   |

For more information, visit our web page at [www.deltacollege.edu/departments/disability-support-programs-services](http://www.deltacollege.edu/departments/disability-support-programs-services).

## Vocational Rehabilitation Services

The State Department of Rehabilitation (DOR) maintains a liaison counselor through the DSPS office on campus and provides multiple services to qualified students, including a Work-ability III program. These services include vocational counseling, vocational assessment, job readiness and development and financial aid.

Interested students should contact DSPS for more information and/or to request a referral to meet with a DOR Counselor.

## Dual Enrollment Program

Established under AB 288, the Dual Enrollment Program (DEP) provides local high school students with the opportunity to enroll in free college courses as part of the partnership agreement that Delta College has established with high school districts. DEP courses are taught by Delta instructors and are typically held in-person at the high school site; however, fully online courses may also be offered. Tuition and fees are waived for dual enrollment students, and there are no textbook or other classroom supply costs. Dual enrollment students may enroll in up to 15 units per term and earn both high school credit and college credit at the same time.

DEP aims to improve high school graduation rates, increase students' readiness for transfer to community college or UC/CSU and lead to career pathways. Currently, there are 15 school districts and 35 high schools that participate in Dual Enrollment. Courses scheduled under this program fulfill the IGETC general education pattern to transfer.

*All students must meet San Joaquin Delta College's admissions, academic placement, and course prerequisite requirements.* For questions or more information about the Dual Enrollment Program, contact (209) 954-5811 or email [dualenrollment@deltacollege.edu](mailto:dualenrollment@deltacollege.edu), or visit the Regional Education Center in Holt 121C.

## Early College Pathway Program

Early College Pathways (ECP) is an award-winning premiere program designed to help high school students gain college readiness skills while earning a two-year degree. Participants receive cohort style learning, with a pre-vetted pattern of courses which help students complete their goals while reducing the stress of the college experience. Enrolling and completing college units through the ECP program provides families significant tuition savings.

### Program Benefits:

- |  |   |  |
|--|---|--|
| • Students earn a two-year degree                                  | • All courses are free and most books are free or open access | • More than 60 University of California transferable units                 |
| • Students complete the University of California Lower Division GE | • Semesterly college counseling support is provided           | • Some districts allow college courses to count for A-G and college credit |

For more information, please reach out to us by calling South Campus at Mountain House Delta College Campus at 209-833-7900.

## Empowering Positive Initiatives for Change (EPIC)

*Science and Math Building, Room 327 - (209) 954-5151, ext. 6341*

First launched in spring 2016, the EPIC Learning Community supports college success for Asian American and Pacific Islander (AAPI) students, including but not limited to Cambodian, Filipino, Hmong, Laotian, Vietnamese, and Samoan American students. EPIC is open to all students who have an interest in exploring topics related to self-awareness, personal

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growth, cultural identity, Asian Pacific American History, Political Science, and written and oral communication through the lens of the AAPI experience.

### English as a Second Language (ESL)

The ESL program is designed to teach students the basic structure of the spoken and written language and prepare them to communicate effectively in English for college or employment. Classes are taught day and evening, and students are placed in courses based on their level of English skills. Tutoring and small group instruction are available to assist students in developing language proficiency.

### Equity-Minded Honors Program

The Equity-Minded Honors Program offers academic leadership and service opportunities through deeper exploration of academic topics, learning through self-discovery and independent investigation, and association with a motivated community committed to the continual pursuit of a higher level of scholarship, knowledge, character development, community service, societal improvement, and greater understanding. For more information, please visit the Equity-Minded Honors Program web page.

### Extended Opportunity Programs and Services (EOPS/CARE/NextUp)

*DeRicco Student Services Building, Room 234 - (209) 954-5151, ext. 6296*

**Extended Opportunity Programs and Services (EOPS)** at Delta College provides a variety of supportive services to enhance academic success for students challenged by income, educational, and/or language barriers. Students participating in EOPS will engage in a series of activities and services designed to strengthen skills necessary to achieve personal and academic success as they complete a certificate, degree, or transfer program. Students must be enrolled full-time (12 units) and meet income and educational criteria. EOPS may admit a small number of students with as few as nine units. Some Disability Support Programs and Services (DSPS) students may be eligible for a unit waiver and should speak with an EOPS staff member.

#### Services:

- |   |  |   |
|---|--|---|
| • Individualized Personal and Academic Counseling               | • Textbook Lending Library                               | • Transfer Advising                     |
| • Priority Registration   | • Grants   | • University Transfer-Related Workshops |
| • Orientation Programs and Registration Services                | • Transportation Assistance                              | • University Campus Tours               |
| • Assistance Purchasing Required Textbooks and College Supplies | • Outreach and Enrollment Assistance                     | • Tutoring                              |
|   | • Academic Progress Monitoring and Intervention Services | • Workshops and Special Events          |

For more information, call EOPS, stop by the office, or visit the web page at [www.deltacollege.edu/departments/eopscare](http://www.deltacollege.edu/departments/eopscare). Please note: all financial services are contingent upon budget availability, program compliance and student "unmet need" as determined by the Financial Aid Office.

### Cooperative Agencies Resources for Education (CARE)

*DeRicco Student Services Building, Room 234 - (209) 954-5151, ext. 6296*

CARE provides supportive services to Extended Opportunity Programs and Services (EOPS) students who are at least 18 years of age, single/head of household, with dependent (custodial) children who receive TANF (Temporary Assistance for Needy Families) or CalWORKs cash aid. EOPS students must complete a supplemental application and provide income verification for CARE services. EOPS/CARE staff will work closely with the student, campus CalWORKs program, and the Human Services Agency to ensure student needs are met without duplication of services. Please note: all financial services are contingent upon budget availability, EOPS/CARE program compliance and student "unmet need" as determined by the Financial Aid Office.

In addition to all EOPS services, CARE students receive:

- |  |  |                                       |
|--|--|---------------------------------------|
| • Assistance Purchasing Required Textbooks | • Campus Meal Cards                      | • Emergency Auto Repair Reimbursement |
| • Grants (including supply grants)         | • Campus and Community Resource Referral | • Special Workshops and Activities    |

CARE courses designed for single parents: COUN 18A and COUN 18B. Students must complete each one-unit course with a 'C' grade or higher.

### NextUp

*DeRicco Student Services Building, Room 234 - (209) 954-5151, ext. 6296*

The NextUp Program, formally Cooperating Agencies Foster Youth Educational Support (CAFYES) is designed to serve current and/or former foster youth enrolled by giving them access to resources offered by EOPS. NextUp's mission is to assist

and guide current and/or former foster youth with their education goals by providing personal guidance, academic counseling, and financial support.

### Federal Work Study

Federal Work Study is a financial aid program which provides on-campus part-time employment and an opportunity to earn money needed to attend college. Students apply for Federal Work Study and all other types of financial assistance with the Free Application for Federal Student Aid (FAFSA). Students may apply on the web at <https://studentaid.gov/>.

### International Student Program

DeRicco Student Services Building - (209) 954-5151, ext. 6164

Detailed admission information is available on the International Students Admission web page or at the Delta Connect Center located in the DeRicco Student Services Building.

### Learning Communities

Learning Communities provide opportunities for students to combine related courses and assignments. Belonging to a Learning Community fosters student retention, higher grades, and camaraderie. Learning Communities courses are published on the College website and in the Schedule of Classes. For more information regarding Learning Communities, visit the web page [www.deltacollege.edu/student-services/academic-support-programs-and-communities/learning-communities](http://www.deltacollege.edu/student-services/academic-support-programs-and-communities/learning-communities).

### Math Engineering Science Achievement (MESA) Program

*Science and Mathematics Building, Room 163 - (209) 954-5318*

Math Engineering Science Achievement (MESA) is an academic enrichment program that provides support to Delta College students for transfer to a baccalaureate-granting college or university in the areas of Mathematics, Engineering, and Science. Applications are available in the MESA office or through our web page.

**General Eligibility Criteria:** Low income; first generation college students with declared majors in Mathematics, Engineering or Science.

#### Student Benefits:

- Designated Student Study Center
- Academic Counseling and Advising
- Transfer Assistance
- Tutoring
- Professional Development Workshops
- Career Advising
- University and Industry Tours
- Scholarship and Internship Opportunities
- Summer Research Opportunities

For more information, please visit <https://www.deltacollege.edu/department/mesa>

### Native American Success Academy (NASA)

*Forum 110 - (209) 954-5151, ext. 5033*

The NASA program has been developed to provide students with both campus and community collaborations and partnerships. With support from the program and their peers, students will learn to prevail in their college endeavors, grow connection to native heritage through program participation, and gain belief in opportunities thought to be impossible. Students have access to a specifically assigned counselor, a learning community of courses, and a program manager to support their goals.

### Pathway to Law Program/Pre-Law Studies

- **Web page and Program Application:** [www.deltacollege.edu/program/pathway-law](http://www.deltacollege.edu/program/pathway-law)
- **California Law Pathway:** <https://calaw.pathways.org/>
- **Pathway to Law Coordinator:** Wesley Swanson ([wesley.swanson@deltacollege.edu](mailto:wesley.swanson@deltacollege.edu))
- **Faculty Contact:** Joel Blank ([joel.blank@deltacollege.edu](mailto:joel.blank@deltacollege.edu))
- **Counselor Contact:** Stacey Bagnasco ([stacey.bagnasco@deltacollege.edu](mailto:stacey.bagnasco@deltacollege.edu))
- **Librarian Contact:** Josefina Gomez ([josefina.gomez@deltacollege.edu](mailto:josefina.gomez@deltacollege.edu))

Unlock your potential for a successful law career through San Joaquin Delta College's Pathway to Law program in partnership with California Leadership-Access-Workforce (Cal LAW) and the California Bar Association by becoming a Pathway to Law Scholar. Our program's goal is to provide a clear path to law school and related careers for all students so that the legal profession within California will better reflect the diverse population of the state. Upon completion of the Pathway to Law Program each student receives the Pre-Law Studies Certificate of Achievement and, as a Pathway to Law Scholar, special admissions consideration when applying to a partnering law school in California.

Through the Pathway to Law Program, you'll have access to exclusive scholarships and valuable hands-on experience through internships and mentorship from experienced legal professionals. Whether you major in the arts, music, fashion,

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science, math, engineering, business, social sciences, humanities, legal studies, or any other field, our program establishes a foundation for each Pathway to Law Scholar to enter a legal career by either completing law school to become an attorney/lawyer, or by being employment ready as a certified paralegal/legal assistant.

San Joaquin Delta College is one of a select group of California community colleges that has partnered with Cal Law, and several universities, to create an accessible path to these legal careers and to give our students exposure to an array of other law-related areas of employment such as law enforcement, court reporter, legal transcriptionist, language translator, law librarian, legal process clerk, and court administrator.

Apply now and become a San Joaquin Delta College Pathway to Law Scholar! Receive emails about exciting opportunities, meet with a designated Pathway to Law counselor and faculty adviser, and create a Student Educational Plan for success.

### Program Benefits:

- Become a Pathway to Law Scholar: Apply at [www.deltacollege.edu/program/pathway-law](http://www.deltacollege.edu/program/pathway-law)
- Fee waivers & special attention for eligible transfer and law school applications
- Direct transition to university law programs through regional partnerships
- Engage in law-related activities, events, and networking opportunities
- Access law-related library materials and research databases
- Fully transferable courses that fulfill IGETC general education requirements
- Earn a Pre-Law Studies Certificate of Achievement
- Receive personalized counseling and pre-law advising.
- Scholarship opportunities, some exclusive to Pathway to Law Scholars
- Law-related work experience, internships, and mentorships for college credit
- LSAT and law school application prep support
- Join a cohort of fellow Pathway to Law Scholars
- Potential priority registration and transcript notation at Delta College
- Statewide Cal-LAW Scholar designation upon program completion
- Participate in extracurricular activities, clubs, and teams.

## Puente - Bridge to Success

*Shima, Room 133 - (209) 954-5151, ext. 5522*

Puente (Spanish for "bridge") is a national-award-winning program that has helped thousands of students to reach their dreams of college success. The program is open to all students. Emphasis is placed on the General Educational curriculum: history, English, science, language, visual and performing arts, and core discipline requirements. Students will have access to counseling services, orientation, assessment, advising and other education planning. The Puente community seeks to educate our students by attending educational events at universities, cultural events, leadership opportunities and more. An essential component to the success of the Puente Program is the collaboration between students, parents, faculty, and staff of San Joaquin Delta Community College. Puente has expanded to 58 community colleges and 33 high schools throughout California, and tens of thousands of students have been served.

### Eligibility Requirements:

- Must be a new or current student
- Maintain a 2.0 GPA and be in good standing with the college
- Complete San Joaquin Delta College's online admissions application
- Attend a Puente information session
- Make a one-year commitment
- Meet regularly with a Puente counselor
- Participate in scheduled Puente activities and Learning Community
- Plan to transfer to a four-year college or university

## UMOJA

Delta College was recently awarded the UMOJA Community Education Foundation program to begin in Fall 2025. Umoja, (a Kiswahili word meaning unity) is a community dedicated to enhancing the cultural and educational experiences of African American and other students. The Foundation believes that when the voices and histories of students are deliberately and intentionally recognized, the opportunity for self-efficacy emerges and a foundation is formed for academic success. Umoja actively serves and promotes student success for all students through a curriculum and pedagogy responsive to the legacy of the African and African American Diasporas. The program will have a dedicated counselor assigned to support students in the UMOJA program. For more information, please contact the Counseling Center at 209-954-5151 ext. 6276.

## Services

### Adaptive Learning - Transition to Work

*DeRicco Student Services Building - (209) 954-5151, ext. 6272*

Adaptive Learning - Transition to Work (ALTW), formerly Special Education, courses are non-credit educational assistance

classes designed specifically for students with intellectual disabilities to develop living skills in math, reading, health, and community integration. Courses are limited.

### Basic Needs Center

*Danner Hall, Room 202*

The Basic Needs Center serves as a physical and virtual hub to support students in their educational journey to access essential services and resources that include, but are not limited to, food, housing, clothing, financial, and access to wellness and mental health services.

### Child Development Center

The Child Development Center (CDC) at Delta College offers high-quality State Preschool, early childhood education, and childcare services for children from eligible families. Priority enrollment is given to Delta College students and staff. The CDC provides services to children 18 months of age through kindergarten and operates according to the academic calendar of the campus.

Located off the Pacific Avenue entrance, the CDC can be reached at (209) 954-5700. Operating hours are typically from 7:30 a.m. to 4:00 p.m., Monday through Friday, during the fall and spring semesters, with varying hours during the summer session. A waiting list is maintained for each school year.

Licensed and funded by the State of California for 144 children, the CDC fosters an environment that promotes the positive growth and development of children, parents, students, and staff. The educational activities are tailored to meet the social, emotional, physical, and developmental needs of each child, ensuring an inclusive and successful experience for all participants. Additionally, the CDC serves as a learning environment for Delta College students and community members. For more information and to access the application, please visit the Child Development Center page on the Delta College web page [www.deltacollege.edu/department/child-development-center](http://www.deltacollege.edu/department/child-development-center).

### Counseling and Special Services

*DeRicco Student Services Building, Room 234 - (209) 954-5151, ext. 6276*

Delta College serves a diverse population of students. People from various ethnic backgrounds, ages, and cultures attend Delta College for many different reasons. Students are focused on developing career choices along with educational plans to support those choices. Counseling staff assist with academic planning, transfer/career development, and personal counseling issues. Counseling and Special Services increase student access and success by providing new student orientation sessions, education planning and counseling/advising services. General college orientation as well as specialized counseling classes and services are available to assist new and continuing students, international students, those on academic probation, student athletes, Veterans, and English as a Second Language (ESL) students. Additional help in identifying the campus and community resources needed for college success is also available.

#### The Counseling Department also supports the following Learning Communities:

- African American Male Education Network and Development (A2Mend)
- Black Excellence and Enrichment (B.E.E.) Academy
- Directing Adults on the Right TrAC for Employment (DARTE)
- Empowering Positive Initiative for Change (EPIC)
- Native American Success Academy (NASA)
- Pride Learning Community (PLC)
- Puente, Building Bridges for Transfer
- UMOJA

For information on Learning Communities or for additional help in identifying the campus and community resources needed for college success, please contact the Counseling Center at 209-954-5151 ext. 6276 or visit the web page at <https://deltacollege.edu/department/counseling-center>

### Delta Connect Center

*DeRicco Student Services Building, 1st Floor - (209) 954-5151, ext. 6149*

The Delta Connect Center at San Joaquin Delta College provides comprehensive support to students as they navigate the college application process, financial aid, orientation, and counseling. Additionally, the center offers guidance on placement, connects students with Counselors and Resource Specialists, as well as other areas and services on campus.

### Dreamers Success Center

*Holt Building, Room 201 - (209) 353-3151*

The Dreamers Success Center is dedicated to supporting students who are undocumented, have immigrant status, AB 540, and/or Deferred Action for Childhood Arrival (DACA) recipients. We offer a range of student support services, including free legal assistance and counseling, to empower and uplift our community. For more information, email the Dreamers Success Center at [dreamers@deltacollege.edu](mailto:dreamers@deltacollege.edu) or visit the Dreamers Success Center web page.

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### Empowerment Resource Center

*Danner Hall, Room 202 - (209) 954-5836*

The Empowerment Resource Center at Delta College is home to several empowerment resource programs for currently enrolled students:

- The Guardian Scholars Program is for current or former foster youth.
- The Phoenix Project supports students who were formerly incarcerated or in custody.

#### Programs Benefits:

- Support for buying textbooks
- School Supplies
- Student lounge space for students to build community, study, relax, take breaks, and meet other students
- Personalized one-on-one support and advising
- Community-building events, workshops, programs, and other activities
- Referrals to campus and community resources

In addition, the Empowerment Resource Center offers two community programs:

1. Foster & Kinship Care Education (FKCE) Program – Designed for current or prospective resource guardians/families (formerly known as foster parents). We partner with the San Joaquin County Human Services Agency (HSA) to provide the necessary trainings and resources for families and children in out-of-home care. Additionally, we offer a community of support to help families provide nurturing and loving homes.
2. Youth Empowerment Strategies for Success/Independent Living Program (YESS/ILP) empowers current and former foster youth to make a successful transition into self-sufficiency and adulthood. YESS/ILP empowers youth by providing access to campus and community resources and services, and addressing the specific concerns foster youth face on their path to independence. Current and former foster youth 16-21 years of age who are enrolled in San Joaquin County Human Services Agency's Independent Living Program (ILP) are eligible to attend YESS/ILP classes and receive benefits.

For more information, visit the web page at [deltacollege.edu/empowerment](http://deltacollege.edu/empowerment).

### Facility Rental and Reservations

*Holt Building, Room 242 - (209) 954-5427*

Most college facilities are available for use by students and staff of Delta College for non-instructional purposes. Requests for facility use may also be made by businesses, individuals, and community agencies. All requests for use of college facilities must be submitted to the Facilities & Reservations Specialist. Outside entities are required to provide an Insurance Endorsement and a Certificate of Insurance. For more information, visit [www.deltacollege.edu/student-life/delta-center-arts/rental-information](http://www.deltacollege.edu/student-life/delta-center-arts/rental-information) or email [events@deltacollege.edu](mailto:events@deltacollege.edu).

### Financial Aid

*DeRicco Student Services Building - (209) 954-5115*

Grants, student loans, scholarships, and work-study jobs are available to qualified Delta College students. All students needing financial assistance while attending Delta College are urged to apply via <https://studentaid.gov/>. Many scholarships are also available to Delta College students. The scholarship application deadline is March 2 of each year for the following fall and spring semesters. All students are eligible to apply.

*Eligibility: Students need to complete the Free Application for Federal Student Aid (FAFSA) or California DREAM Act (CADAA) to determine financial aid eligibility including grants, student loans, scholarships, and work-study jobs.*

Information is available from the Financial Aid and Scholarships Department, and on the Delta College web page at <https://www.deltacollege.edu/departments/financial-aid-scholarships>.

### Food Services

*Danner Hall - (209) 954-5080*

The Delta College Food Service offers a variety of high-quality foods and beverages in a pleasant atmosphere, with friendly service at reasonable prices. Food Services brews Starbucks' drinks and offers a great selection of food including pre-made grab and go items and, hot daily specials for breakfast and lunch such as breakfast burritos, biscuits & gravy, chicken alfredo, chicken rice bowls, etc. Also available are pre-made salads and fresh fruit bowls (in season). Quality nutritional meal kits that are pre-cooked, frozen and microwavable provide keto/low carb, high protein & lower calorie meals. The Java Jitters counter offers espresso, coffee, Frappuccinos, Crème Frappuccinos, refreshers, shaken teas, hot chocolate, iced coffee, and more.

### Vending Machines

**Vending machines offering a variety of drinks are scattered across campus at the following locations:**

- Danner Hall
- Shima Center
- DeRicco Student Services Building
- Science and Math Building
- Budd Center
- Holt Center
- Forum Building

For more information, visit <https://deltacollege.edu/departments/food-services>.

### Student Chef

*Danner Hall - (209) 954-5099*

Student Chef is a unique dining experience operated by the students of CUL ART 9 and CUL ART 19. From the kitchen to the dining room, our students handle every aspect of the restaurant, gaining hands-on experience while serving the Delta College community. We are open to the public by reservation only from 11:00 AM to 1:00 PM during the fall and spring semesters. Our menu changes regularly, offering fresh and exciting options with each visit. To make a reservation, please visit the Student Chef web page for the latest menu and booking details.

### Lactation Room/Pods

A lactation room is available for all students, faculty, and staff in the Child Development Center, Room 105. Lactation Pods are located on the Stockton campus (Danner Hall, DeRicco Student Services Building, Goleman Library) as well as the Manteca Farm and South Campus at Mountain House. For more information, please visit the Lactation and Breastfeeding Resources web page.

### Library Services

*Goleman Library - (209) 954-5139*

San Joaquin Delta College Goleman Library has a collection of more than 80,000 volumes and provides a variety of learning resources to students, including both in-person and virtual reference assistance, instruction, a periodical collection, reserve books, textbooks, media materials, and photo-copying equipment. The library has a variety of electronic online databases and video tutorials. Additionally, the Goleman Library offers students access to computer workstations and the internet. For more information, visit the web page at [www.deltacollege.edu/departments/library](http://www.deltacollege.edu/departments/library)

### Mobility/Health Services

*Danner Hall, Room 101 - (209) 954-5078*

Disability Support Programs and Services (DSPS) provides limited assistance to students with a verified mobility impairment (based on individual functional limitations) who requires help navigating the campus for academic purposes. Students must meet with a DSPS counselor to request services and provide medical documentation of their disability. Appointments are scheduled two weeks in advance. Mobility/Health Services also provides limited first aid to any individual who becomes ill or injured while on campus. If you need first aid, go immediately to the Mobility/Health Services Office located in Danner Hall, Room 101, or contact Campus Police at (209) 954-5000 or by using a Blue Emergency Phone located on campus.

### Police Services

Stockton Campus, Loun Phelps Police Services Building  
- (209) 954-5000 (Voice/TDD)  
Location - across from the Shima-1 parking lot

South Campus at Mountain House Police Services Sub-Station - (209) 954-5000 (Voice/TDD)  
Location - Building 302-B

The San Joaquin Delta College Police Department is part of a team effort to ensure that students can pursue their educational interests in a safe environment. We are committed to the philosophy of community-oriented policing and providing outstanding customer service. Having your trust and confidence is paramount.

The Mission of the San Joaquin Delta College Police Department is to provide high quality, economical, and responsive services to our campus community.

#### Core Values:

- Diversity - a commitment to engage, respect, and give equal treatment to all in our organization and community;
- Integrity - actions are based on honor to create ethical character and a positive reputation;
- Teamwork - a process built upon common focus, flexibility, cooperation, communication, and the sharing of risk, responsibility, and reward;
- Innovation - demonstrating 'a civic entrepreneurial spirit' by generating new ideas and better ways of doing things and engaging in reasonable risk;
- Respect - the obligation to treat all with civility by listening, comprehending, empathizing, and valuing opinions and perspectives;
- Responsive Customer Service - meeting needs in a timely, proactive, courteous, and responsive manner by delivering on promises and commitments beyond expectations;
- Trust - actions, information and communication are accurate, consistent, open, and honest to maintain credibility.

You may contact the Police Department by using any of the following:

- Emergency Blue Phone (located throughout the campus)
- Dial ext. 5000 or 911 from any campus telephone
- Dial (209) 954-5000 from your cellular phone or from off campus
- Mustang Alert! App

## STUDENT RESOURCES AND SUPPORT

San Joaquin Delta College police officers are sworn peace officers of the State of California and are vested with full law enforcement powers and responsibilities. They meet the selection and training requirements set forth by the Commission on Peace Officers Standards and Training under State of California Penal Code Section 13510(a). In addition, the Police Department is staffed by non-sworn POST certified dispatchers, campus safety officers, and student officers.

For more information, visit the District Police Department web page at [deltacollege.edu/departments/district-police-department](http://deltacollege.edu/departments/district-police-department).

### Crime Prevention and Crime Reporting

#### Crime Prevention

Crime Prevention is student and employee awareness of their environment and a true collaboration between law enforcement and the public. It is the willingness to look out for one another and to report suspicious activities immediately to the San Joaquin Delta College Police Department. Students and employees must be aware of their surroundings and develop a perception of what seems out of place, or out of the ordinary. Do not take chances. What may appear harmless could be serious. Fortunately, the right attitude, actions and awareness can help protect you and your belongings.

#### Crime Reporting

The San Joaquin Delta College Police Department prides itself on being community oriented in its crime prevention strategies. The most beneficial way of preventing crime is through the tips and watchful eye of an informed public. The following is how to report a crime on campus:

1. Initiate a text conversation with the Police Department through the Rave Mobile Guardian app.
2. Call the Police Department by using an Emergency Blue Phone or any campus phone and dial 911 or 5000, or call (209) 954-5000 by cellular phone or off campus phone.
3. Provide the dispatcher with what, where, and when it happened.
4. Provide the dispatcher with suspect information and description.
5. Advise if a weapon was used or displayed.
6. Location of the suspect or direction of flight.
7. Advise if the suspect drove a car or bicycle or was on foot.
8. Advise if there are any injuries.
9. Stay on the phone until the dispatcher ends the call.

It is extremely important that you give the dispatcher as much information as possible. The dispatcher relays all of your information to the police officers who are "out in the field" responding to your call. It is imperative for the safety of the officers that you put as much detail into your report as possible, so they know exactly what they are responding to. Your assistance is always appreciated. The information that you provide assists in keeping San Joaquin Delta College a beautiful and safe environment for all.

#### Education

One of the essential ingredients of any successful crime prevention program is an informed public. It is the intent of San Joaquin Delta College Police Department to inform students and staff, in a timely manner, of any criminal activity or security problems which may pose a reasonable threat to their physical safety. Such information will regularly be published and distributed to students, faculty, and staff through several campus publications, in house memos or through the Mustang Alert! system. Another critical element of a campus safety program is education. The Police Department, in conjunction with the Student Activities Office and the Department of Counseling, sponsor programs of various topics. The Police Department's crime prevention officer is available to speak at public events regarding crime prevention, or other topics as requested.

#### Safety Presentations

The San Joaquin Delta College Police Department provides informative safety presentations to all members of the Delta College community. The presentations range in time from 30 minutes to 80 minutes and can be modified to address a specific topic. Some of the most popular presentations we have done are "Surviving an Active Shooter Event", "Police Department Services", "Crime Prevention and Awareness", and "Identity Theft". Presentations are conducted year-round upon request.

#### Victims of Crime

Students who are victims of a crime, or witness a crime being committed should contact the San Joaquin Delta College Police Department as soon as possible. Time is essential when a crime has been committed, or suspicious activity is occurring. The sooner the police are notified, the quicker the response will be. Persons who believe that a crime may be occurring, or who are suspicious that something may be wrong, should contact the Police Department immediately at (209) 954-5000 (Voice/TDD). The Police Department would rather respond to an innocent situation than be notified after an actual crime has been committed. Always be on the safe side and call.

#### Emergency Notifications

The San Joaquin Delta College Police Department utilizes Mustang Alert! powered by Rave Mobile Safety, to provide students, staff, faculty, and visitors with Clery Timely Warnings and emergency notifications. Mustang Alert! utilizes text messaging, email, social media, loudspeaker, and the Mustang Alert! app to convey crucial safety messaging. At the beginning of each semester, and during fire drills, Mustang Alert! is tested to ensure functionality.

### Lost and Found

Several hundred items of found property are turned in to the Police Department each year, most of which are never claimed by their rightful owners. Property that is marked with a name, address, Delta ID number, phone number, or driver's license number can be returned to the owner if found and turned in to the Police Department. Owners of property with no identification should check with the Police Department in case it has been found.

Found property that is not claimed within ninety days will be disposed of by the Police Department in accordance with the law.

The Police Department is located on the north side of campus, across the street from the Shima 1 parking lot at the corner of District and Service Roads in the Lourn Phelps Police Services Building. Any person who loses property should check with the Police Department to see if it has been recovered. Found property will be released to owners by appointment only. To schedule an appointment or inquire about property, email [police.property@deltacollege.edu](mailto:police.property@deltacollege.edu) or call (209) 954-5151 ext. 6352.

### Pride Center

*Danner Hall, Room 202B - (209) 954-5260*

The Pride Center is dedicated to supporting lesbian, gay, bisexual, transgender, queer and questioning students by upholding our core values of service, community, and social justice. We offer direct support to students, connect them to essential resources, and advocate for a positive campus environment for all LGBTQ+ individuals.

#### Services and Activities:

- A welcoming and safe space for the LGBTQ+ students
- Support and resources for coming out, transitioning, and other resources for LGBTQ+ persons
- Access to LGBTQ+ literature and films
- Community-building events and activities
- Advocacy for the rights and well-being of LGBTQ+ students
- Peer and community support networks
- Campus-wide initiatives and awareness campaigns
- Personalized one-on-one support and advising through our Pride Scholars Program

For more information, us at [deltacollege.edu/pride](https://deltacollege.edu/pride).

### Veterans Resource Center

*209-954-5151, ext. 6151*

The Leo P. Burke Veterans Resource Center (VRC) provides student military affiliates (Veterans, service members, and dependents) a lounge, quiet study area, computer lab, food pantry, meetings with Veterans Affairs (VA) representatives, and various workshops. Veterans of the armed forces as well as qualifying dependents, reservists, and service members in approved training programs may qualify for a variety of benefits including Veterans educational benefits, state fee waivers, and financial aid.

The VRC provides informational materials, advice on available educational benefits, and guidance on the special satisfactory academic progress requirements for students using educational benefits. Students wishing to apply for Veterans educational benefits must apply directly through the VRC by emailing, calling, or visiting during office hours. Any student that submits a VRC Intake Form, VRC Student Contract, VRC Certification Form as well as a "Certificate of Eligibility (COE)", "NOBE", "TA Agreement", and/or "San Joaquin County Authorization Form" will be able to attend or participate in courses while awaiting payment from the VA, Department of Defense, or a fee waiver from the State of California.

For more information, visit <https://www.deltacollege.edu/departments/veterans-resource-center>.

#### Satisfactory Progress Standards for Title 38 Students

Federal regulations state that educational benefit payments must be discontinued when the student ceases to make satisfactory progress toward the completion of his or her stated goal. San Joaquin Delta College is required to report a termination of benefits if, after three semesters of college:

- The student has failed to maintain a minimum cumulative grade point average of 2.0;
- The student has failed to complete at least 67% of units each semester; or
- A combination of the above.

Upon termination of benefits, the student must complete at least one term without benefits in which the following conditions are met:

- The student completes at least 67% of units attempted;
- The semester grade point average is at least 2.00.

Students whose educational benefits have been terminated by the College can receive benefits on a probationary status when they return. However, those students must:

- Reapply for admission to the college prior to contacting the Veterans' Services Office;
- Show progress during that probationary semester by completing at least 67% of units and improving the cumulative grade point average (if previously below a 2.0).

## STUDENT RESOURCES AND SUPPORT

Previously terminated students will continue to receive benefits as long as they continue to show improvement by completing a minimum of 67% of units attempted each term and the semester grade point average continues to be at least 2.00. VA policy is more restrictive than college policy and may result in benefits being terminated for students who are still eligible to enroll at the college. If you have any questions about the satisfactory progress policy, please contact the Veterans Resource Center.

### VA Pending Payment Compliance

In accordance with Title 38 US Code 3679 subsection (e), the College adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Veteran Readiness and Employment (Ch. 31) benefits, while payment to the institution is pending from the VA. This college will not:

- Prevent the student's enrollment
- Assess a late penalty fee to the student
- Require the student to secure alternative or additional funding
- Deny the student access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Produce the VA Certificate of Eligibility (COE) by the first day of class
- Provide a written request to be certified
- Provide additional information needed to properly certify the enrollment as described in other institutional policies

### Statement of Absence Due to Military Service

California Education Code 99130 states the following:

(a) Subject to applicable federal, state, and institutional refund and withdrawal policies, when a student is called to active military duty during an academic term, the student may choose one of the following options:

- The student may withdraw from the institution, retroactively to the beginning of the academic term, with a full refund of tuition and fees in accordance with Section 824 of the Military and Veterans Code.
- If at least 75 percent of the academic term has been completed, the student may request that the faculty member assign a grade for the course based on the work the student has completed. The faculty member shall make the final decision as to whether to grant the student's request.
- If the faculty member assigns a grade of "incomplete" for the student's coursework, the student shall have a minimum of four weeks after returning to the institution to complete the course requirements. Additional time may be granted if alternative arrangements are made with the faculty member and provided that the alternative arrangements are consistent with the requirements of Section 824 of the Military and Veterans Code. An institution shall also comply with the requirements of Section 668.18 of Title 34 of the Code of Federal Regulations, or a successor provision, regarding the procedures and timelines for the readmission of a military student.

### California Education Code 66023 states the following:

(a) Students called to active military service:

- Do not lose academic credits or degree status;
- Provide for a refund of fees paid by the student for the term in which he or she was called to active military service.
- 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/>

## Learning Centers/Tutoring

### ESL Lab

The ESL Lab provides free tutoring for students enrolled in any Delta College ESL course. Students interested in working as tutors for the ESL Lab should go to Holt 201 or call (209) 954-5297 and (209) 954-5352.

### Math and Science Learning Center

*Science and Math Building, Room 162 - (209) 954-5542*

The Math and Science Learning Center provides free supervised tutoring to current Delta students enrolled in STEM/computer science courses or other courses with a mathematics component. Students interested in working as tutors should contact the Math and Science Learning Center.

### Music Lab/Library

*Holt Building, Room 105, (209) 954-5250*

The Music Lab/Library maintains a collection of audio recordings, musical scores and interactive computer software designed to meet the academic needs of each student enrolled in music courses. In addition, there are music listening stations and computer workstations with midi keyboards, as well as individual practice rooms available for students enrolled in music courses.

## Tutoring Services

Tutoring assistance is available for a wide array of academic subjects and is free-of-cost to currently enrolled Delta students. Students interested in working as tutors should contact the learning centers.

Goleman Tutoring Center, Goleman Library 1st floor - (209) 954-5350	ESL Lab, Holt Building, Room 201 (209) 954-5352	Math and Science Learning Center, Science and Math Building, Room 162 (209) 954-5542	The Zone, Budd 205 (209) 954-5119
This center offers tutoring for subjects in the humanities, social sciences, business, foreign languages, and writing across the curriculum.	This center offers tutoring to students currently enrolled in courses in Delta's English as a Second Language program.	This center offers tutoring for the majority of subjects in STEM/Computer Science.	This center offers tutoring to student athletes and the general student population.

Delta College online tutoring is also available for multiple subjects. Please see our tutoring web page for hours and subject availability: <https://deltacollege.edu/academics/tutoring>.

Should students need academic support outside of the operational hours of the learning centers or Delta's online tutoring service, students can access NetTutor 24/7 online by clicking the "NetTutor" button in any Canvas course shell.

For other inquiries about tutoring services offered on campus, please contact the Learning Centers Coordinator, Jordan Giannoni, at [jordan.giannoni@deltacollege.edu](mailto:jordan.giannoni@deltacollege.edu).

## Campus Life

### Academic Teams

#### Delta Engineering/Engineering Technology Day

*Technical Careers and Trades TrAC Office, Holt Building, Room 140 - (209) 954-5230*

This annual event is hosted by the San Joaquin Delta College Department of Engineering. The day includes drafting competitions for beginning and advanced students. Additionally, students are invited to participate in an engineering design competition or a robotics competition. The event includes a career orientation session. Awards are presented to students in a variety of categories. Participating students must attend high school in the Delta College service area.

#### Delta SkillsUSA Club

*Technical Careers and Trades TrAC Office, Holt Building, Room 140 - (209) 954-5230*

The Delta College SkillsUSA Club offers regional, state, and national competition for Career and Technical Education (CTE) students. Students compete in CTE areas such as diesel equipment mechanics, drafting, air conditioning, machining, automotive mechanics, electrical, welding, and many others. Students must be enrolled in a course relating to the area in which they plan to compete. They must also join SkillsUSA at the national and state levels.

#### Journalism and Mass Communications

*Arts, Humanities, and Multimedia TrAC Office, Holt Building, Room 242 - (209) 954-5209*

Mass Communication students learn all aspects of the rapidly changing field of digital media, while retaining traditional values of objective, fair, and balanced reporting as well as opinion writing across a wide variety of media platforms. Classes are appropriate for any student wishing to improve his or her abilities to communicate with a mass audience. Ethical and legal standards are examined and emphasized. Majors in the field participate in preparing news stories for transmission on a variety of media platforms. Majors also participate in regional and state conferences of the Journalism Association of Community Colleges, the largest organization of its kind in the United States.

For more information about Journalism and Mass Communications, visit the college web page [www.deltacollege.edu/program/journalism-mass-communication](http://www.deltacollege.edu/program/journalism-mass-communication).

#### Livestock Judging Team

*Agriculture TrAC Office, Holt 140 - (209) 954-5230*

The San Joaquin Delta College Livestock Judging Team is nationally competitive and highly respected. Team members regularly receive university scholarships and employment opportunities. They learn livestock selection principles that are relevant to breeding and market animal selection as well as communication and decision-making skills that contribute to their educational and social development. The Livestock Judging Team attends numerous state and national competitions each year, and gains valuable insight, knowledge, and networking opportunities in the livestock industry while traveling as a team to practice and compete.

## STUDENT RESOURCES AND SUPPORT

### Livestock Show Team

*Agriculture TrAC Office, Holt 140 - (209) 954-5230*

The San Joaquin Delta College Livestock Show Team is designed to enhance animal husbandry skills associated with the marketing of livestock. Delta College students learn to select, feed, fit/groom and present beef cattle, meat goats, sheep, and swine in a competitive market through hands-on experiences at the Delta College Farm in Manteca. Students travel and participate in livestock shows and expositions in California including the Big Fresno Fair and the Porterville Collegiate Livestock Shows. Students are also engaged in volunteering at shows in the local area. Through this class, team members gain valuable experience to develop skills needed in an educational and commercial environment.

### Speech and Debate Team

*Holt 410*

The Speech and Debate Program gives students an opportunity to develop their skills in public speaking, interpreting literature or plays, and formal individual debate and team debate. Students will compete in supervised intercollegiate speech and debate tournaments throughout California and the nation. This award-winning program is available to novice or experienced students. Moreover, students develop a sense of team spirit and pride as they represent Delta College throughout the United States.

### Artifact

*Artifact* is a magazine of works by students, faculty, alumni, and employees of San Joaquin Delta College published by the SJDC Writers' Guild. Works by writers and artists unaffiliated with Delta College may be selected for publication for up to 40% of the overall content. Literary and visual art submissions are accepted year-round. All genres and mediums are welcome. For more information, contact Gabrielle Myers at [gabrielle.myers@deltacollege.edu](mailto:gabrielle.myers@deltacollege.edu).

### Arts and Entertainment

Delta Center for the Arts

Delta Center for the Arts Box Office - (209) 954-5110

L.H. Horton Jr. Art Gallery - (209) 954-5507

Facility Booking Information - (209) 954-5427 [events@deltacollege.edu](mailto:events@deltacollege.edu)

Stockton's Delta Center for the Arts at San Joaquin Delta College is a focal point for the Arts in the San Joaquin Valley.

The center includes:

- Fully equipped production facilities, including a costume shop, scene shop with paint frame, chorus and 'star' dressing rooms, makeup room, and box office.
- Alfred H. Muller Studio Theater
- Tillie Lewis Theater
- Warren Atherton Auditorium
- Digital Media Center
- L.H. Horton Jr. Art Gallery

The Warren Atherton Auditorium has 1,428-seats with a 60-foot proscenium. The Tillie Lewis Theater seats 393 and features a 40-foot proscenium. Both spaces are equipped with hydraulic pit lifts and fly systems. The Muller Studio Theater is a black box space seating up to 110, with a fixed grid. All three theaters are equipped with modern lighting, sound, and projection systems.

The 2,000 square-foot L.H. Horton Jr. Gallery schedules art exhibits and juried shows throughout the year. Exhibits feature established and emerging artists from throughout the region and around the world.

With over 60,000 guests annually, the Delta Center for the Arts is a hub of activity for the campus and community. Students at San Joaquin Delta College perform regularly on its stages in recitals, concerts and plays. Ensembles from the Departments of Music and Dance produce a variety of events including jazz concerts, band concerts, choral concerts, and dance recitals. The Department of Drama produces a series of shows that appeal to a variety of audiences, including musicals, plays and theater for youth and families.

In addition to supporting the College's academic programs, the Delta Center for the Arts has played host to numerous internationally acclaimed artists, cultural figures, and world leaders, including Margaret Thatcher and Shimon Perez, Secretary of State Colin Powell, and General Norman Schwarzkopf. Musical performers representing all genres have appeared here, including the Yellow Jackets, Poncho Sanchez, Kenny Werner, the Big Phat Band and Kurt Elling, just to name a few. Both the Stockton Symphony and Lodi Musical Theatre Company perform their full seasons here.

For more information, visit [www.deltacollege.edu/student-life/delta-center-arts](http://www.deltacollege.edu/student-life/delta-center-arts).

### Associated Students of Delta College (ASDC)

*Office of Student Life, Shima Building, Room 101C - (209) 954-5484*

The Associated Students of Delta College advocates for students and provides student life programs that represent the diversity of the College. See the web page: [www.deltacollege.edu/departments/associated-students](http://www.deltacollege.edu/departments/associated-students)

### Services:

- Student identification card photographs
- Assistance with the grievance or complaint process
- Information about campus and community resources

### Bicycle Lockers

*Office of Student Life, Shima Building, Room 101C - (209) 954-5100*

Bicycle lockers for students and staff are available through the Student Activities Office, Shima Building, Room 101C. Bike lockers are available each spring/fall semester and summer intercession. Students must complete an application and pay a NON-REFUNDABLE key deposit fee of \$5.00 to gain access to the locker of their choice. There are 14 bicycle lockers located on campus in the Shima and Budd areas.

Students can pay the \$5.00 fee at the Office of Student Life or the Cashiers Office located in the Horton Administration building on the first floor. Please bring your receipt, a copy of your class schedule, and photo ID to register for a bike locker.

*All lockers are provided on a first come, first served basis.*

### Bookstore

*Danner Hall - (209) 954-5085*

The Delta College Bookstore is owned and operated by the San Joaquin Delta Community College District. In addition to textbooks and required supplies, the Bookstore has a large selection of apparel, hats, logo merchandise, lab supplies, art supplies, electronics, school supplies, and food and beverages. You may shop the Bookstore in person during our regular business hours, or on our web page [bookstore.deltacollege.edu/home](http://bookstore.deltacollege.edu/home) at your convenience. We will ship to your home, or you have the option to pick up your order in the store. For more information, visit the web page at [bookstore.deltacollege.edu/home](http://bookstore.deltacollege.edu/home).

### Book Buy-Back

The Bookstore's commitment to students is to buy back as many books at the end of each semester as can potentially be resold the following term, usually over 80% of book titles.

Students may sell back books any time, but the best price is offered during the last week of the term for those books that are needed the next immediate semester. Books sold back at ANY OTHER TIME will be bought back for a used book dealer and only at the "wholesale" prices listed in the dealer's catalog.

- During the last week of each semester, the Bookstore will pay up to 50% of the purchase price on all copies NEEDED on campus for the following semester - regardless of where purchased.
- Books bought back are then re-priced, USED and made available for the next semester at 75% of the current new price.
- Discontinued books may still have a "wholesale" value if the edition is current. The Bookstore buys these books for a USED BOOK company that resells them to other schools. "Wholesale" values are approximately 25% of the original new price.

The Bookstore may not buy back certain titles for the following reasons:

- Faculty change text for the following term;
- Publisher changes editions of text; or
- The Bookstore may be overstocked on a particular title.

### Book Refunds/Exchanges

Please see Bookstore's web page for details at [bookstore.deltacollege.edu/home](http://bookstore.deltacollege.edu/home).

- First week of each semester (fall and spring): Full refund according to policy.
- Second week of each semester (fall and spring): Refund only with proof of dropped class and according to policy.
- Summer session: First week only and according to policy.
- Late starting six-week classes: Return books within two days of start date. No refunds on classes less than six weeks.
- Cancelled classes: Return books within five business days from the cancel date.

To receive a refund, a student must provide:

- Cash register receipt; and
- Class schedule; and
- Valid identification.

To receive a full refund, the new books must be in perfect condition. Otherwise, returns are subject to a 25% reduction. The Bookstore reserves the right to make a determination on the condition of books. Workbooks, study guides, syllabi, etc., are only eligible for refunds if returned new and unused. Online bundles with software and access codes are not refundable. There is no refund on supplies, non-required books, plays, software, or electronics.

### Publisher Access Codes and eBooks

eBooks and publisher access codes are refundable within 14 days of purchase. Additionally, the Bookstore cannot fulfill refund requests if more than 10% of the product has been viewed and/or if any page(s) of the product has been printed.

## STUDENT RESOURCES AND SUPPORT

### Textbook Rentals

The Bookstore offers textbook rentals.

#### Students must:

- Be at least 18 years of age
- Possess a valid credit card that does not expire prior to the end of the current semester
- Possess a valid Delta ID number
- Complete the "textbook Rental Agreement" at the store or register online and pick up the order the next business day (during regular business hours) or have it shipped to their home

Textbooks that are available for rent will be noted in the price section of the bookstore web page.

#### Failure to Return Rentals:

- If students fail to return the rented materials by the due date (see Bookstore's web page for details) or return them in an unsalable condition, students will be charged the replacement fee to their credit card on file. The replacement fee is the retail price of a *used* textbook.

The Delta College Bookstore is not responsible for reminding students of the rental return due date. Returns will not be accepted after the rental return due date. After the replacement fee is paid, the book belongs to the student. The replacement fee is in addition to the original rental fee.

#### Damaged Rental:

- If a rented textbook is deemed too damaged for re-rental (e.g., water damage, missing pages, excessive highlighting, underlining, or marking, etc.), students will be charged the Full Replacement Fee plus applicable sales tax.

#### Responsibility:

- Students are responsible if a rental book is not returned by the appropriate time or is not in re-rental condition.

Students are strongly encouraged to bring their class schedules to the Bookstore and shop early for the best selection of lower-priced used books. The Bookstore accepts VISA, MasterCard, Discover Card, American Express, and debit cards as well as Apple Pay and Samsung Pay. **THE BOOKSTORE DOES NOT ACCEPT CHECKS.**

The Bookstore also has **food items available**. That includes **grab-and-go** food items such as sandwiches, wraps, tuna salad, pesto pasta, and microwavable food items such as noodles (yakisoba/chow mein/ramen), burritos, hot pockets and mac & cheese. Additional items include apples/grapes/fruit cups, yogurt, meat/cheese/crackers, ice cream bars and a generous supply of drinks and snacks. For more information and to purchase or rent textbooks online. Visit the web page at [bookstore.deltacollege.edu](http://bookstore.deltacollege.edu)

### Delta Winds

Delta Winds is an annual publication of student essays from courses in the English program of San Joaquin Delta College. The collection of expository writings includes reflective personal narratives and analytical social commentaries. Essays from the magazine have been republished in English composition textbooks by Bedford/St. Martin's Press, Roxbury Press, Thomson Press, Longman Publishing, Norton and Company, and Holt, Rinehart, and Winston.

For more information, contact Eric MacDonald at (209) 954-5519 or [eric.macdonald@deltacollege.edu](mailto:eric.macdonald@deltacollege.edu). Send submissions to [deltawindsforstudents@gmail.com](mailto:deltawindsforstudents@gmail.com).

### Student Activities

*Office of Student Life, Shima Building, Room 101C - (209) 954-5100*

The Office of Student Activities provides services and activities that support student life and student development at Delta College. The Office of Student Activities works closely with the Associated Students of Delta College (ASDC) to coordinate campus events and leadership opportunities for students.

#### Services:

- Information and support for clubs
- Bicycle locker assignments
- Club registration
- Facility reservations for clubs
- Campus activities
- Leadership development
- The Student Food Pantry

For more information, visit the web page at [www.deltacollege.edu/departments/office-student-activities](http://www.deltacollege.edu/departments/office-student-activities).

### Student Food Pantry

*Office of Student Life, Shima Building, Room 101C - (209) 954-5100*

The Student Food Pantry provides access to FREE food for ALL currently enrolled Delta College students who may otherwise go hungry because of lack of sufficient income or access to food.

For more information about the Student Food Pantry, visit the web page at [www.deltacollege.edu/student-life/office-student-activities/student-food-pantry](http://www.deltacollege.edu/student-life/office-student-activities/student-food-pantry) or call (209) 954-5576.

### Student Handbook

The Delta College Student Handbook is available on the college web page: <https://deltacollege.edu/campus-offices/student-services-division/delta-college-student-handbook>. It includes important information for students including the College Calendar, policies and regulations, and other important information helpful for student success.

## Career Development

### Career Transfer Center

*DeRicco Student Services Building - (209) 954-5151, ext. 6339*

The Career Transfer Center serves to facilitate a smooth transition to a four-year college or university through various transfer activities. Services include online admissions application workshops, transfer admission agreements, field trips, appointments with visiting university representatives and major preparation advising. The resource library includes a collection of college catalogs for two-year colleges, CSU, UC, and other universities. Courses designed for transfer to the four-year university: COUN 20. The Career Transfer Center hosts a variety of transfer-related workshops and events throughout the year.

Courses designed for Career Life Planning:

- COUN 30 Career Self-Assessment
- COUN 31 Career Exploration
- COUN 32 Career Information Interviewing
- COUN 33 Job Seeking Skills
- COUN 35 Extended Activities I: Choosing a Career Path
- COUN 36 Extended Activities II: Resources for Program Completion

For more information, visit our web page at [www.deltacollege.edu/department/career-transfer-center](http://www.deltacollege.edu/department/career-transfer-center).

### Workforce Development Center

*Shima, Room 217 - (209) 954-5728*

The CTE Workforce Development Center is designed to assist current students and recent graduates of Career Technical Education (CTE) programs to advance in academic achievements to professional success. In addition, by empowering the connections and support between faculty, CTE students, and employers, the Workforce Development Center aids in the advancement of our workforce, leading to high-demand, high-wage jobs with technical skill attainment.

Career preparation and job development is the focus in work-based learning student services:

- Skills and Needs Assessment
- Job Search Assistance
- Resume Development
- Cover Letter Development
- Mock Interview
- Networking Opportunities
- Career Fair Information
- Career Portfolio Development
- Industry Events
- Employment Resource Referral

Workforce Development Center assists employers with the main workforce contact and centralized office to employer services:

- CTE Program and Site Tours
- Classroom Recruitment Assistance
- Job Board Announcements
- Pre-screening Applicants
- Interview Accommodations
- Training Resources
- On-campus Job Fair
- Internship Development
- Job-Shadow Development
- Volunteers

### Occupational Work Experience Program

*Career Technical Education and Workforce Development Center, Shima 217, (209) 954-5728.*

The Occupational Work Experience (OWE) Program is designed for students enrolled in a course related to their specific job duties while working at a business, industry, or government work site. These duties may be completed as a paid employee or a non-paid volunteer. The OWE Program provides students an opportunity to develop marketable skills, abilities, attitudes, and work habits appropriate to successful employment in a career field. Students acquire sufficient career knowledge to enable them to develop an occupational education plan consistent with their career goals. Students enrolled in the OWE Program may earn one to four (1-4) units of general elective college credit per semester. Work experience credit hours are standardized

## STUDENT RESOURCES AND SUPPORT

at 54 semester hours per unit for paid and unpaid work experience. A student may earn a maximum of 14 semester units (Education Section Code 55253). A student may repeat a work experience education course (Education Code Section 55040).

**Eligibility:** Students must be enrolled in a Delta College course or courses and be working as a paid employee or non-paid volunteer at a business, industry, or government work site. This course must be in a discipline related to the work experience and may be taken concurrently or may have been taken in the semester immediately prior. Job duties at the work site must be related to at least one of the Program Areas (disciplines) listed on the Occupational Work Experience web page: [www.deltacollege.edu/occupational-work-experience-owe-program](http://www.deltacollege.edu/occupational-work-experience-owe-program). For more information, contact the CTE & Workforce Development Center.

### Workforce Training Institute

*Locke Building, Room 107 - (209) 954-5045*

The Workforce Training Institute offers a wide variety of short-term, not-for-credit, fee-based workshops, seminars, and training programs designed to meet the needs of our community and industry. Workshops and programs are offered during the fall, spring, and summer terms, in the evenings and on weekends. Featured programs include: Phlebotomy, Medical Assistant (administrative and clinical), CISCO advance certification and Pharmacy Technician  
<https://www.deltacollege.edu/departments/workforce-training-institute>

### San Joaquin County WorkNet Services

*Shima Building, Room 217 - (209) 954-5151, ext. 6329*

Co-located at the Workforce Development Center, county staff are available to assist with job search needs, such as job referrals and job placement. In addition, staff are available to help with your training needs, if eligible for the Workforce Innovation and Opportunity Act (WIOA) the cost of books, supplies, local and state certifications, background checks etc. may be covered. For more information, visit the web page at <https://www.deltacollege.edu/departments/worknet>.

## Additional Learning Locations

### Learning in Retirement - Stockton Institute for Continued Learning (SICL)

*Holt Building, Room 123 - (209) 954-5295*

The Stockton Institute for Continued Learning (SICL) is a member-run learning-in-retirement program for mature adults that holds classes on the Delta College campus and also conducts off-campus tours each semester. Membership is open to all older adults in the Delta College region. This is a membership-run organization that welcomes and encourages active participation of all involved. For more information on SICL, visit the web page at [www.deltacollege.edu/departments/stockton-institute-continued-learning](http://www.deltacollege.edu/departments/stockton-institute-continued-learning) or email at [sicl@deltacollege.edu](mailto:sicl@deltacollege.edu).

### Online Learning

San Joaquin Delta College offers a wide range of fully online and hybrid courses, providing students with convenient and flexible learning opportunities to reach their educational goals.

#### Online Courses

Fully online courses are available every semester across various disciplines, including general education, transfer, and vocational programs. These courses are offered asynchronously, meaning there are no mandatory meetings, making them an excellent option for students with busy work schedules, family commitments, or those living far from campus. They also appeal to students who prefer the flexibility of an online learning environment.

Online courses allow students to complete coursework at their own pace within set deadlines, from anywhere with an internet connection. Through the Canvas Learning Management System, students connect, interact, and engage with instructors and peers in a dynamic virtual classroom. While online learning offers flexibility, students are responsible for managing their time effectively and meeting course deadlines.

The Schedule of Classes will display "Int Lec" (Internet Lecture) and/or "Int Lab" (Internet Lab) for fully online classes, indicating that all coursework is conducted online through Canvas without required in-person meetings.

#### Notes:

- Some online courses may require students to come to campus for exams, even if the rest of the coursework is completed online. Please refer to the notes section in the course schedule for details on scheduled exams for online courses.
- Additionally, online public speaking courses require students to deliver speeches in front of a live audience. Instructors will coordinate scheduling options for these speeches with students.

### Hybrid Courses

San Joaquin Delta College also offers hybrid courses, which combine traditional in-person instruction with online learning. These courses require students to attend scheduled in-person meetings while completing additional coursework asynchronously in Canvas. The in-person meetings for hybrid courses are mandatory.

Hybrid courses vary in structure—some may feature online lectures and discussions in Canvas with in-person labs, while others may have in-person lectures with online assignments, quizzes, or other activities in Canvas.

Hybrid courses will be displayed with two lines in the Schedule of Classes:

1. One line for the in-person meeting details, including the day(s), time, and location.
2. One line indicating the online component, specifying that coursework will be completed asynchronously in Canvas.

Example:

Lecture - 001B - 12346	12346 Thursday 12:30-2:30	BUDD 408
Int Lec - 001A - 12345	TBA	ONLINE

Students should review both lines carefully to understand the course structure and ensure they can meet the in-person attendance requirements.

### Online Learning Technologies

To complete online and hybrid courses in Canvas, students must have access to a computer, reliable internet connectivity, and a supported web browser, such as Google Chrome or Firefox. In addition to Canvas, some online courses may require students to use additional technologies and online tools within Canvas, such as Turnitin, LockDown Browser, Hypothesis, Panopto, and Padlet. Certain courses may also integrate publisher platforms like McGraw-Hill or Pearson. Support for these tools is typically provided by the instructors or the respective vendors.

### Online Degrees & Certificates

San Joaquin Delta College enables students to complete entire degrees or certificates fully online, offering the flexibility to learn from the comfort of their own home. With a wide selection of online courses, students can pursue over 60 different degrees and certificates.

#### Available Online Degrees and Certificates:

<https://deltacollege.edu/academics/online-regional-education/online-degrees-and-certificates>

### Online Learning Resources

#### Current Schedule of Online or Hybrid Classes

<https://deltacollege.search.collegescheduler.com/search?term=2255>

#### Canvas Login Information

<https://www.deltacollege.edu/academics/online-regional-education/students-how-login-canvas>

#### Canvas Guides and Help for Students

<https://deltacollege.edu/academics/online-regional-education/students-canvas-guides-and-videos>

#### Online Student Services

<https://deltacollege.edu/academics/online-regional-education/online-classes>

#### Student Help (phone and tickets)

<https://deltacollege.edu/academics/online-regional-education/students-student-canvas-help>

### Manteca Center

The Manteca Center is a 155-acre site dedicated to agricultural education. Located 15 miles southeast of the Stockton campus, this self-sustaining farm operates as an instructional facility for students to learn about horticulture, agribusiness, animal husbandry, and more. For information about the Manteca Center, please call (209) 239-5814.

### North County (Lodi) - World of Wonders Science Museum

2 N. Sacramento St. Lodi, CA 95240

San Joaquin Delta College courses may be completed at the World of Wonders Science Museum in downtown Lodi. Classes are fully in-person or hybrid (in-person and online) and are scheduled in the late afternoons and evenings. Services (including counseling, financial aid, and admissions) are available Monday afternoons from 2:30pm to 5:00pm. For more information

## STUDENT RESOURCES AND SUPPORT

about classes available in the North County, please visit <https://www.deltacollege.edu/academics/online-regional-education/delta-college-north-county>

### **South Campus at Mountain House**

*2073 S. Central Parkway, Mountain House, CA 95391*

The South Campus at Mountain House offers a comprehensive catalog of day and evening classes and specialized certificate programs for job training and advancement. The campus offers all required pre-requisite courses for healthcare careers, including nursing, as well as, course options for completion of the UC and CSU General Education patterns. South Campus also offers hands-on learning through its Cisco Computer Networking Academy. For high school students, South Campus offers the award-winning Early College Pathway (ECP) Program. Through ECP, high school learners complete a two-year college degree and/or the CSU GE certificate. For information, or if you have questions, please contact (209) 833-7900.

# Graduation and Transfer Requirements

## Defining Educational Goals

An educational goal is defined as the student's purpose for attending San Joaquin Delta College and includes the courses of specialization such as business, biological sciences, art, or engineering as well as career technical education courses. A program of study includes an organized set of required courses that prepares students for further study or employment.

## Student Options

1. **Certificate of Achievement**

A Certificate of Achievement is a short-term program, usually two to four semesters for a full-time student. Certificate programs focus on preparing students for a specific goal or area of employment.

2. **Associate in Arts (A.A.) or Associate in Science (A.S.) Degree**

An associate's degree is the first college degree a student may earn. It signifies the completion of at least 60 semester units of college-level work in a major or area of emphasis and includes completion of general education (GE) courses. Some students require developmental course work to prepare for college-level study and, thus, may be required to complete more than 60 units to earn the associate's degree.

3. **Transfer**

At San Joaquin Delta College, students may complete the first two years of course work required for a bachelor's degree and transfer as a junior to a baccalaureate-granting institution. Students may transfer with or without an associate's degree, but earning the Associate in Arts for Transfer or the Associate in Science for Transfer degree will facilitate transfer to California State University campuses.

4. **Other Educational Goals**

If a student does not plan to complete a certificate or associate's degree, or transfer to a four-year college or university, courses are offered for personal development. In this case, the educational goal may be to:

- Learn new job skills
- Improve basic skills
- Pursue a personal interest
- Update current job skills
- Explore career interests

## GRADUATION AND TRANSFER REQUIREMENTS

Counselors are available to assist students in defining their educational goals.

### Planning Your Schedule

#### The unit: a working definition

The number of course units is generally the number of lecture hours per week a class meets. Classes that include a laboratory component meet additional hours. Students should expect a minimum of two hours of outside study per week for each enrolled unit. The student's ability to successfully complete college course work must be carefully considered to include time for class, study, employment, and other personal responsibilities.

Academic Activity in a Course	Minimum Hours of In-Class Learning Activity	Minimum Hours of Outside-of-Class Learning Activity	Minimum Hours of Total Student Work	Units of Credit
Lecture	16	32	48	1
Lab	48	0	48	1
Independent Study	0	48	48	1
Work Experience (Title 5 55253)	0	48	48	1

#### How long will it take to complete a certificate or degree?

The time it takes to complete a certificate or degree is dependent on how many units are taken each semester. Refer to the chart below to determine how the average number of courses completed per semester will affect the time it will take to complete a certificate or degree.

If you take...	Certificate	Associate's Degree	Bachelor's Degree
One course per semester (3 units)	5 years	7-10 years	13-20 years
Two courses per semester (6 Units)	2-3 years	5 years	10 years
Three courses per semester (9 Units)	1.5-3 years	3 years	6-7 years
Four courses per semester (12 Units)	1-2 years	2.5 years	5 years
Five courses per semester (15 Units)	1 year	2 years	4 years

These times may be shortened by enrolling in summer session courses.

### Advanced Placement, International Baccalaureate, and College Level Examination Program Examination Credit

Students may complete general education (GE) course or area requirements on the SJDC-GE pattern or GE area requirements on the CSU-GE pattern or IGETC pattern by earning a satisfactory score on the Advanced Placement (AP), International Baccalaureate (IB), or College Level Examination Program (CLEP) examinations. College units are awarded and GE courses/areas are satisfied as indicated in the chart below. Where no general education area credit matches are available, the College will award elective credit.

A satisfactory score in AP English Literature, AP English Language, or CLEP English Composition with Essay may be used to satisfy ENGL C1000 or meet the prerequisite for courses that require ENGL C1000.

Students who have earned a satisfactory score may receive units but not a letter grade toward the associate degree or certificate. Units and course equivalencies granted by San Joaquin Delta College are not identical to units and course equivalencies granted by other institutions. Each two- and four-year institution has its own policy for determining units and equivalencies awarded. Transfer students should refer to the advanced placement policy at the college or university to which they are considering transferring, as the application of examination credit is left to the discretion of individual institutions.

An advanced placement examination may duplicate content in certain college courses. In such cases, students will not receive credit for both the examination and the course.

Students requesting AP/IB/CLEP credit must first meet with a College counselor to review the AP/IB/CLEP Examination Credit Petition. Counselors will make students aware of transfer issues that may occur as a result of using AP/IB/CLEP examination

## GRADUATION AND TRANSFER REQUIREMENTS

credit as a substitute for completing required coursework. The counselor-reviewed petition must then be submitted to the Office of Admissions and Records for final approval.

Once approved, AP/IB/CLEP credit units will become part of the student record and printed on the official transcript. (AP 4235.1, 5/2/19; AP 4235.2, 5/3/22; AP 4235.3, 5/3/22)

Advanced Placement Examination	Required Score	SJDC Course	SJDC GE Area/Units	SJDC Units Awarded	CSU GE Area*/Units	CSU Semester Units Earned for Transfer	IGETC Area**/Units	UC Semester Units Earned for Transfer
AP Art History	3,4, or 5	-----	Humanities (3)	6	C1 or C2 (3)	6	3A or 3B (3)	5.3
AP Biology	3,4, or 5	-----	Natural Science (3)	6	B2+B3 (4)	6	5B+5C (4)	5.3
AP Biology	4 or 5	BIOL 10	Natural Science (3)	6	B2+B3 (4)	6	5B+5C (4)	5.3
AP Calculus AB	4 or 5	MATH 1	Mathematics (3)	5	B4 (3)	3 (If a student passes more than one exam in Calculus, only one exam may be applied)	2A (3)	2.7 (Maximum credit 5.3 semester units for both Math AB and Math BC exams)
AP Calculus AB	3,4, or 5	-----	Mathematics (3)	5	B4 (3)	3 (If a student passes more than one exam in Calculus, only one exam may be applied)	2A (3)	2.7 (Maximum credit 5.3 semester units for both Math AB and Math BC exams)
AP Calculus BC	3 or 4	MATH 1	Mathematics (3)	5	B4 (3)	6 (If a student passes more than one exam in Calculus, only one exam may be applied)	2A (3)	5.3 (Maximum credit 5.3 semester units for both Math AB and Math BC exams)
AP Calculus BC	5	MATH 1 and MATH 2	Mathematics (3)	9	B4 (3)	6 (If a student passes more than one exam in Calculus, only one exam may be applied)	2A (3)	5.3 (Maximum credit 5.3 semester units for both Math AB and Math BC exams)
AP Calculus BC/AB Subscore	3	-----	Mathematics (3)	3	B4 (3)	3 (If a student passes more than one exam in Calculus, only one exam may be applied)	2A (3)	2.7 (Maximum credit 5.3 semester units for both Math AB and Math BC exams)
AP Calculus BC/AB Subscore	4 or 5	MATH 1	Mathematics (3)	5	B4 (3)	3 (If a student passes more than one exam in Calculus, only one exam may be applied)	2A (3)	2.7 (Maximum credit 5.3 semester units for both Math AB and Math BC exams)

## GRADUATION AND TRANSFER REQUIREMENTS

						may be applied)		Math BC exams)
AP Chemistry	3 or 4	CHEM 3A	Natural Science (3)	6	B1+B3 (4)	6	5A+5C (4)	5.3
AP Chemistry	5	CHEM 1A	Natural Science (3)	6	B1+B3 (4)	6	5A+5C (4)	5.3
AP Chinese Language and Culture	3,4, or 5	CHIN 1	Humanities (3)	6	C2 (3)	6	3B+6A (3)	5.3
AP Comparative Government & Politics	3,4, or 5	POLS 2	Social Behavioral Science (3)	3	D (3)	3	4 (3)	2.7
AP Computer Science A	3,4, or 5	CSP 26A	Lifelong Learning (3)	3	-----	3 (If a student passes more than one exam in Computer Science, only one exam may be applied)	-----	1.3 (Maximum credit 2.7 semester units for both Computer Science A and AB exams)
AP Computer Science AB	3,4, or 5	-----	Lifelong Learning (3)	6	-----	6 (If a student passes more than one exam in Computer Science, only one exam may be applied)	-----	2.7 (Maximum credit 2.7 semester units for both Computer Science A and AB exams)
AP Computer Science Principles	3,4, or 5	CSP 17	Lifelong Learning (3)	6	B4 (3)	6 (If a student passes more than one exam in Computer Science, only one exam may be applied)	-----	5.3
AP English Language and Composition (formally AP English Language)	3,4, or 5	ENGL C1000	English Composition (3)	6	A2 (3)	6	1A (3)	5.3 (Maximum credit 5.3 semester units for both English Language/Composition and English Literature/Composition exams)
AP English Literature and Composition (formally AP English Literature)	3,4, or 5	ENGL C1000	English Composition (3) and Humanities (3)	6	A2+C2 (6)	6	1A or 3B (3)	5.3 (Maximum credit 5.3 semester units for both English Language/Composition and English Literature/Composition exams)

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AP Environmental Science	3,4, or 5	----	Natural Science (3)	4	B1+B3 (4)	4	5A+5C (3)	2.7
AP European History	3,4, or 5	----	Humanities (3)	6	C2 or D (3)	6	3B or 4 (3)	5.3
AP French Language and Culture	3,4, or 5	FREN 1	Humanities (3)	6	C2 (3)	6	3B+6A (3)	5.3
AP German Language and Culture	3,4, or 5	GERM 1	Humanities (3)	6	C2 (3)	6	3B+6A (3)	5.3
AP Human Geography	3,4, or 5	----	Social Behavioral Science (3)	3	D (3)	3	4 (3)	2.7
AP Italian Language and Culture	3,4, or 5	ITAL 1	Humanities (3)	6	C2 (3)	6	3B+6A (3)	5.3
AP Japanese Language and Culture	3,4, or 5	JAPAN 1	Humanities (3)	6	C2 (3)	6	3B+6A (3)	5.3
AP Latin	3,4, or 5	----	Humanities (3)	6	C2 (3)	6	3B+6A (3)	5.3
AP Macroeconomics	3,4, or 5	ECON 5	Social Behavioral Science (3)	3	D (3)	3	4 (3)	2.7
AP Microeconomics	3,4, or 5	ECON 3	Social Behavioral Science (3)	3	D (3)	3	4 (3)	2.7
AP Music Theory	3,4, or 5	----	----	6	----	----	----	5.3
AP Physics 1	3,4, or 5	PHYS 2A	Natural Science (3)	4	B1+B3 (4)	4 (If a student passes more than one AP exam in Physics, a maximum of six units may be applied)	5A+5C (4)	5.3 (Maximum credit 5.3 semester units for all Physics exams)
AP Physics 2	3,4, or 5	PHYS 2B	Natural Science (3)	4	B1+B3 (4)	4 (If a student passes more than one AP exam in Physics, a maximum of six units may be applied)	5A+5C (4)	5.3 (Maximum credit 5.3 semester units for all Physics exams)
AP Physics C (mechanics)	3,4, or 5	PHYS 4A	Natural Science (3)	4	B1+B3 (4)	4 (If a student passes more than one AP exam in Physics, a maximum of six units may be applied)	5A+5C (3)	2.7 (Maximum credit 5.3 semester units for all Physics exams)
AP Physics C (electricity/magnetism)	3,4, or 5	PHYS 4C	Natural Science (3)	4	B1+B3 (4)	4 (If a student passes more than one AP exam in Physics, a maximum of six units may be applied)	5A+5C (3)	2.7 (Maximum credit 5.3 semester units for all Physics exams)
AP PreCalculus	3,4, or 5	----	Mathematics (3)	5	B4 (3)	3	----	----
AP Psychology	3,4, or 5	PSYC C1000	Social Behavioral Science (3)	3	D (3)	3	4 (3)	2.7
AP Seminar	3,4, or 5	----	----	----	----	3	----	----
AP Spanish Language and Culture (formally	3,4, or 5	SPAN 1	Humanities (3)	5	C2 (3)	6	3B+6A (3)	5.3

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AP Spanish Language)								
AP Spanish Literature and Culture (formally AP Spanish Literature)	3,4, or 5	----	Humanities (3)	3	C2 (3)	6	3B+6A (3)	5.3
AP Statistics	3,4, or 5	MATH 12	Mathematics (3)	5	B4 (3)	3	2A (3)	2.7
AP Studio Art - 2D Design	3,4, or 5	----	----	3	----	3	----	5.3
AP Studio Art - 3D Design	3,4, or 5	----	----	3	----	3	----	5.3
AP Studio Art - Drawing	3,4, or 5	----	----	3	----	3	----	5.3
AP U.S. Government & Politics	3,4, or 5	POLS C1000	Social Behavioral Science or American Institutions (3)	3	D+US-2 (3) *Note: Does not fulfill AH1 CA Govt. Req.	3	4 (3)	2.7
AP U.S. History	3,4, or 5	HIST 17A and 17B	Humanities or Social Behavioral Science or American Institutions (3)	6	D+US-1 (3)	6	3B or 4 (3)	5.3
AP World History Modern	3,4, or 5	HIST 2A	Humanities or Social Behavioral Science (3)	3	C2 or D (3)	3	3B OR 4 (3)	5.3

International Baccalaureate Examination	Required Score	SJDC GE Area/Units	SJDC Units Awarded	CSU GE Area*/Units	CSU Semester Units Earned for Transfer	IGETC Area**/Units	UC Semester Units Earned for Transfer
IB Biology HL	5,6, or 7	Natural Science (3)	6	B2 (3)	6	5B w/o Lab (3)	5.3
IB Chemistry HL	5,6, or 7	Natural Science (3)	6	B1 (3)	6	5A w/o Lab (3)	5.3
IB Economics HL	5,6, or 7	Social Behavioral Science (3)	6	D (3)	6	4 (3)	5.3
IB Geography HL	5,6, or 7	Natural Science (3)	6	D (3)	6	4 (3)	5.3
IB History (any region) HL	5,6, or 7	Social Behavioral Science (3)	6	C2 or D (3)	6	3B or 4 (3)	5.3
IB Language A Literature (any language except English) HL	4	Humanities (3)	6	C2 (3)	6	----	----
IB Language A Literature (any language except English) HL	5,6, or 7	Humanities (3)	6	C2 (3)	6	3B+6A (3)	5.3
IB Language A Language and Literature (any language except English) HL	4	Humanities (3)	6	C2 (3)	6	----	----

## GRADUATION AND TRANSFER REQUIREMENTS

IB Language A Language and Literature (any language except English)HL	5,6, or 7	Humanities (3)	6	C2 (3)	6	3B+6A (3)	5.3
IB Language A Literature (any language) HL	4	Humanities (3)	6	C2 (3)	6	----	----
IB Language A Literature (any language) HL	5,6,or 7	Humanities (3)	6	C2 (3)	6	3B (3)	5.3
IB Language A Language and Literature (any language) HL	4	Humanities (3)	6	C2 (3)	6	----	----
IB Language A Language and Literature (any language) HL	5,6,or 7	Humanities (3)	6	C2 (3)	6	3B (3)	5.3
IB Language B (any language) HL	4	Humanities (3)	6	----	6	----	----
IB Language B (any language) HL	5,6, or 7	Humanities (3)	6	----	6	6A	5.3
IB Mathematics HL: Analysis and Approaches	4	Mathematics (3)	6	B4 (3)	6	----	----
IB Mathematics HL: Analysis and Approaches	5,6, or 7	Mathematics (3)	6	B4 (3)	6	2A (3)	5.3
IB Mathematics HL: Applications and Interpretation	4	Mathematics (3)	6	B4 (3)	6	----	----
IB Mathematics HL: Applications and Interpretation	5,6, or 7	Mathematics (3)	6	B4 (3)	6	----	----
IB Physics HL	5, 6, or 7	Natural Science (3)	6	B1 (3)	6	5A w/o Lab (3)	5.3
IB Psychology HL	5,6, or 7	Social Behavioral Science (3)	3	D (3)	3	4 (3)	5.3
IB Theatre HL	4	Humanities (3)	6	C2 (3)	6	----	----
IB Theatre HL	5,6, or 7	Humanities (3)	6	C2 (3)	6	3A (3)	5.3

College-Level Examination Program	Required Score	SJDC GE Area/Units	SJDC Units Awarded	CSU GE Area*/Units	CSU Semester Units Earned for Transfer
CLEP American Government	50	Social Behavioral Science (3)	3	D (3)	3
CLEP American Literature	50	Humanities (3)	3	C2 (3)	3
CLEP Analyzing and Interpreting Literature	50	Humanities (3)	3	C2 (3)	3
CLEP Biology	50	Natural Science (3)	3	B2 (3)	3
CLEP Calculus	50	Mathematics (3)	3	B4 (3)	3
CLEP Chemistry	50	Natural Science (3)	3	B1 (3)	3
CLEP College Algebra	50	Mathematics (3)	3	B4 (3)	3
CLEP College Algebra - Trigonometry	50	Mathematics (3)	3	B4 (3)	3
CLEP College Mathematics	50	----	3	----	----
CLEP College Composition	50	----	3	----	----
CLEP College Composition - Modular	50	----	3	----	----
CLEP English Composition (no essay)	50	----	3	----	----

## GRADUATION AND TRANSFER REQUIREMENTS

CLEP English Composition (with essay)	50	-----	3	-----	-----
CLEP Financial Accounting	50	-----	3	-----	3
CLEP French Level I	50	-----	6	-----	6
CLEP French Level II	59	Humanities (3)	9	C2 (3)	9
CLEP Freshman College Composition	50	-----	3	-----	-----
CLEP German Level I	50	-----	6	-----	6
CLEP German Level II	60	Humanities (3)	9	C2 (3)	9
CLEP History, United States I	50	Social Behavioral Science and American Institutions (3)	3	D+US-1 (3)	3
CLEP History, United States II	50	Social Behavioral Science and American Institutions (3)	3	D+US-1 (3)	3
CLEP Human Growth and Development	50	Social Behavioral Science (3)	3	E (3)	3
CLEP Humanities	50	Humanities (3)	3	C2 (3)	3
CLEP Information Systems and Computer Applications	50	-----	3	-----	3
CLEP Introduction to Educational Psychology	50	-----	3	-----	3
CLEP Introductory Business Law	50	-----	3	-----	3
CLEP Introductory Psychology	50	Social Behavioral Science (3)	3	D (3)	3
CLEP Introductory Sociology	50	Social Behavioral Science (3)	3	D (3)	3
CLEP Natural Sciences	50	Natural Science (3)	3	B1 OR B2 (3)	3
CLEP Pre-Calculus	50	Mathematics (3)	3	B4 (3)	3
CLEP Principles of Accounting	50	-----	3	-----	3
CLEP Principles of Macroeconomics	50	Social Behavioral Science (3)	3	D (3)	3
CLEP Principles of Management	50	-----	3	-----	3
CLEP Principles of Marketing	50	-----	3	-----	3
CLEP Principles of Microeconomics	50	Social Behavioral Science (3)	3	D (3)	3
CLEP Social Sciences and History	50	-----	-----	-----	-----
CLEP Spanish Level I	50	-----	6	-----	6
CLEP Spanish Level II	63	Humanities (3)	9	C2 (3)	9
CLEP Spanish with Writing I	50	-----	6	-----	6
CLEP Spanish with Writing II	63	Humanities (3)	9	C2 (3)	9
CLEP Western Civilization I	50	Humanities or Social Behavioral Science (3)	3	C2 or D (3)	3
CLEP Western Civilization II	50	Social Behavioral Science (3)	3	D (3)	3

\* To find a detailed description of the CSU General Education areas of breadth, please see: California State University General Education (CSU-GE) Pattern/Certificate of Achievement.

\*\*To find a detailed description of the IGETC areas of breadth, please see: Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement.

### Notes:

1. Areas of GE Breadth (A1 through F) are defined in EO 1100. Areas of American Institutions (US-1 through US-3) are set forth in Sections IA and IB of EO 1061, and at [www.assist.org](http://www.assist.org).
2. If a student passes more than one AP exam in physics, only six units of credit may be applied to the baccalaureate, and only four units of credit may be applied to a certification in GE Breadth.
3. 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 baccalaureate. For each test in a language other than English, a passing score of 50 is considered "Level I" and earns six units of baccalaureate credit; the higher score listed for each test is considered "Level II" and earns additional units of credit and placement in Area C2 of GE Breadth as

noted.

### Defense Language Proficiency Test (DLPT) Credit

Utilizing the American Council on Education (ACE) recommendations as described below, three lower division semester hours for language shall equate to three semester units (or their quarter equivalent) in CSU GE Breadth Sub-Area C2. When assigning academic credit using the DLPT, campus articulation officers and credit transfer evaluators should refer to the ACE National Guide to College Credit for Workforce Training. This ACE online guide organizes foreign language test scores and credit recommendations by language, version of the test, and modality of language. The Guide then provides lower and upper division credit recommendations based on the DLPT test score in the following modalities: *listening*, *reading*, and *oral*. Campuses may continue to award additional GE and/or major course credit as they have done in the past.

#### Documentation

The following documents may be accepted to award DLPT GE or course credit:

- Official Defense Language Institute Foreign Language (DLIFLC) Transcripts
- Official Joint Services Transcripts (JST)
- Defense Manpower Data Center (DMDC) DLPT Examinee Results
- DA Form 330 Language Proficiency Questionnaire

If there are any questions about DLPT test documents or ACE's National Guide to College Credit for Workforce Training as it applies to the DPLT, please contact Dr. Marshall Thomas, Director of Active Duty and Veterans Affairs at [mthomas@calstate.edu](mailto:mthomas@calstate.edu) or (562) 951-4130.

### English Composition Placement Chart

This chart illustrates how students may qualify for transfer-level and degree applicable English Composition. Students should consult with a counselor to determine the appropriate course for their educational goal.

Enrollment Requirements	Delta College Course Work
<b>OPEN TO ALL STUDENTS</b>	<ul style="list-style-type: none"> <li>• ENGL C1000E Academic Reading and Writing Embedded Support Units 4.0 (3.0 units transferable plus 1.0 unit support lab)</li> </ul>
Open to students who have a cumulative high school GPA $\geq 2.6$ <b>OR</b> successfully completed ESL 59	<ul style="list-style-type: none"> <li>• ENGL C1000 Academic Reading and Writing Units 3.0</li> </ul>

#### Notes:

1. All students have the right to enroll in transfer-level English composition (Title 5, Section 55522).
2. If students previously had an Individualized Education Plan (IEP), they should see a Disability Support Programs and Services counselor to discuss their enrollment options.

### English as a Second Language (ESL) Placement Chart and Course Sequence

ESL courses are designed for English Language Learners. Fluent English speakers with a U.S. high school GPA should directly take ENGL C1000 or ENGL C1000E. Fluent English speakers without a U.S. high school GPA should consult with a counselor.

This chart illustrates how ESL students may qualify for transfer-level and degree applicable English composition. ESL students should consult with a counselor, contact the Communication and Languages TrAC Resource Specialist(s), or refer to the chart below, to determine the appropriate course for their educational goal. **If students feel that they need English language support, they should complete the ESL Guided Self-Placement.**

Enrollment Requirements	Delta College Course Work
English Language Learners needing English language Support	Complete ESL Guided Self-Placement to determine which ENGL or ESL course you should take
No English language support needed	<ul style="list-style-type: none"> <li>• U.S. high school GPA <math>\geq 2.6</math> ENGL C1000 Academic Reading and Writing 3.0 units</li> <li>• U.S. high school GPA <math>&lt; 2.6</math> ENGL C1000E Academic Reading and Writing Embedded Support 4.0 units/3.0 units transferable +1.0 unit support lab)</li> </ul>

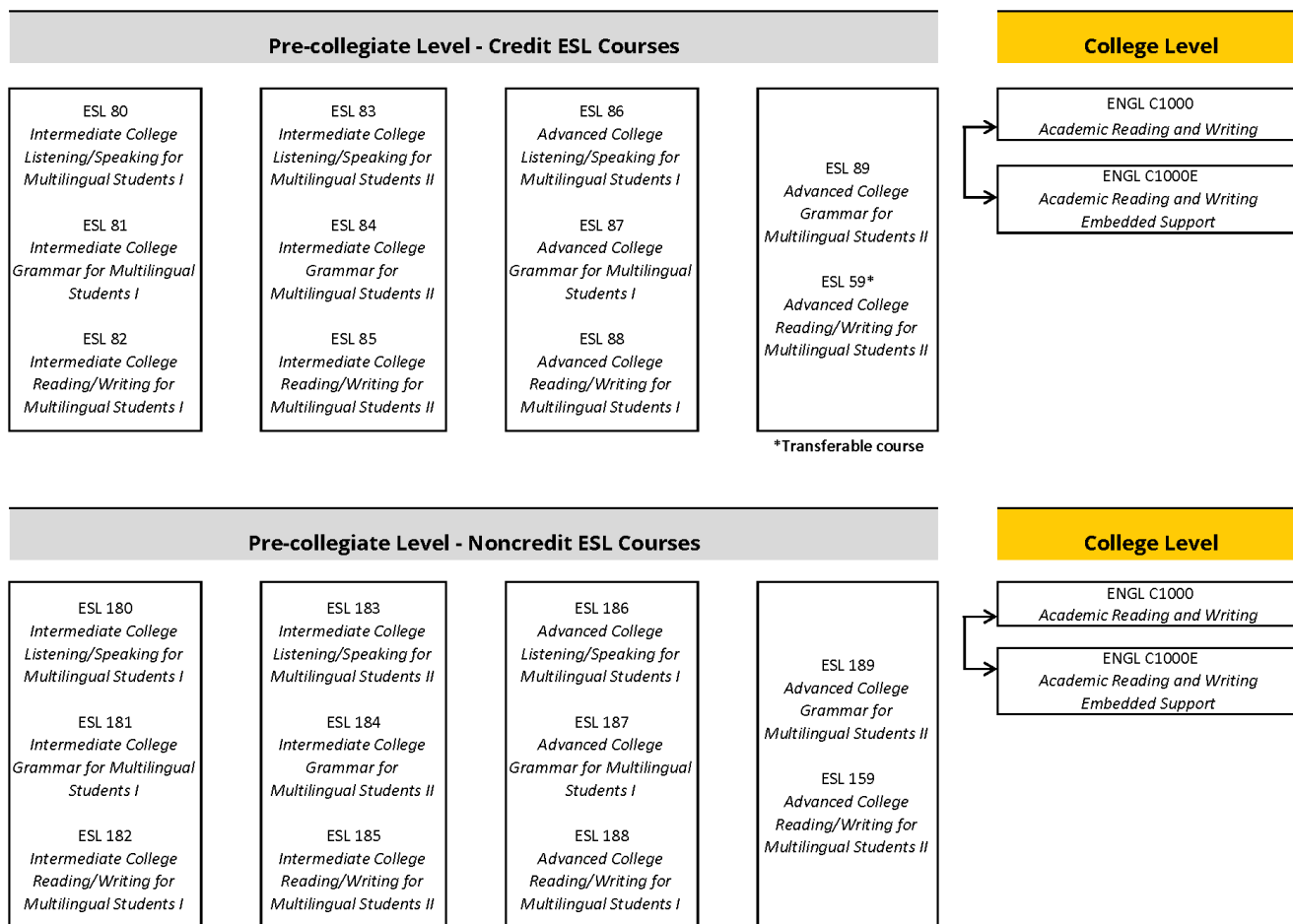
#### Notes:

1. All students have the right to enroll transfer-level English composition (Title 5, Section 55522).
2. Students who are non-native English speakers may take ESL courses before completing ENGL C1000.
3. Students must provide U.S. cumulative high school GPA. Non-U.S. high school GPA may not be used for placement purposes.

## GRADUATION AND TRANSFER REQUIREMENTS

### ESL Course Sequence

ESL students and international students interested in taking ESL courses will take the ESL Guided Self-Placement to determine the appropriate course placement.



### Math Pathways

Math courses at Delta College are split into two broad categories, Non-STEM courses and STEM courses. STEM stands for Science, Technology, Engineering, and Mathematics. If a student's educational and career goals fall into one of those areas, they probably need to take STEM math courses. If their educational and career goals fall into other areas, then they probably need to take at least one Non-STEM math course. The chart below gives examples of some Delta College majors that typically fall into each math pathway\*.

All students should develop a personalized educational plan with a counselor to ensure they are taking the best courses to meet their goals.

Non-STEM Majors	STEM Majors
<ul style="list-style-type: none"> <li>Administration of Justice</li> <li>Animal Science</li> <li>Art</li> <li>Communication Studies</li> <li>Culinary Arts</li> <li>Early Childhood Education</li> <li>English</li> <li>History</li> <li>Music</li> <li>Psychology</li> </ul>	<ul style="list-style-type: none"> <li>Computer Science</li> <li>Electron Microscopy</li> <li>Engineering</li> <li>Geology</li> <li>Mathematics</li> <li>Physics</li> </ul>

\*Business and Health Science majors may need either the STEM or non-STEM track depending on their emphasis and degree goals. Students in these areas should meet with a counselor before enrolling in a math course.

## Mathematics Placement Charts

Based on students' educational goal, they should select one of the mathematics placement charts below to determine how they may qualify for transfer-level and/or associate degree applicable mathematics courses.

### Notes about Your Placement:

1. All students have the right to enroll in transfer-level math (Title 5, Section 55522).
2. No students are required to repeat coursework that they have successfully completed in high school or college or take coursework that repeats competencies that the student has demonstrated through other methods of credit for prior learning. **However, students should consult with a counselor if pursuing a degree that requires college units for Math 1.**
3. If students previously had an Individualized Education Plan (IEP), they should see a Disability Support Programs and Services counselor to discuss their enrollment options.

## Statistics and Liberal Arts Placement Chart

This chart illustrates how students may qualify for transfer-level and/or associate degree applicable statistics and Liberal Arts Math. Students should consult with a counselor or see the Mathematics Entry Chart above to determine the appropriate course for their educational goal.

Enrollment Requirements	Courses with Corequisite Support*	Courses without Corequisite Support
<b>OPEN TO ALL STUDENTS</b>	<ul style="list-style-type: none"> <li>• STAT C1000E Introduction to Statistics Embedded Support Units 4.5</li> <li>• PSYC 2 Statistical Methods for Psychology &amp; Social Science with PSYC 70 Corequisite Support for Statistical Methods for Psychology and Social Science Units 4.0</li> <li>• MATH 37EX College Algebra with Support Units 4.0</li> <li>• LAW 26 Introductory Statistical Analysis for Law, Policy, and Justice Studies with LAW 70 Corequisite Support for Introductory Statistical Analysis for Law, Policy, and Justice Studies Units 6.0</li> </ul>	<ul style="list-style-type: none"> <li>• PSYC 2 Statistical Methods for Psychology &amp; Social Science Units 3.0</li> <li>• MATH 37 College Algebra Units 3.0</li> <li>• MATH 17A Concepts and Structures of Mathematics Units 3.0</li> <li>• MATH 17B Concepts and Structures of Mathematics Units 3.0</li> <li>• LAW 26 Introductory Statistical Analysis for Law, Policy, and Justice Studies Units 4.0</li> <li>• COMM 14 Statistical Analysis for Communication Units 3.0</li> <li>• BUS 67 Introduction to Personal Finance Units 3.0</li> </ul>
Open to students who have a cumulative high school GPA $\geq 3.0$ or have successfully completed Intermediate Algebra (or equivalent)	<ul style="list-style-type: none"> <li>• Any of the above courses</li> </ul>	<ul style="list-style-type: none"> <li>• Any of the above courses OR STAT C1000 Introduction to Statistics Units 4.0</li> </ul>

\*Courses with Corequisite Support include additional time to review prerequisite skills necessary for success and to provide extra instruction and practice with course concepts.

## Business and Science, Technology, Engineering, and Math (STEM) Placement Chart

This chart illustrates how students may qualify for transfer-level and/or associate degree applicable business/STEM math. Students should consult with a counselor to determine the appropriate course for their educational goal.

Enrollment Requirements	Courses with Corequisite Support*	Courses without Corequisite Support
<b>OPEN TO ALL STUDENTS</b>	<ul style="list-style-type: none"> <li>• MATH 1 Calculus I with MATH 102 Corequisite Support for Calculus I Units 5.0</li> </ul>	<ul style="list-style-type: none"> <li>• MATH 37 College Algebra Units 3.0</li> </ul>

## GRADUATION AND TRANSFER REQUIREMENTS

	<ul style="list-style-type: none"> <li>• MATH 13 Survey of Calculus with MATH 101 Corequisite Mathematics Support for BSTEM Courses Units 4.0</li> <li>• MATH 15EX Preparation for Calculus I Units 6.0</li> <li>• MATH 20 Finite Mathematics with MATH 101 Corequisite Mathematics Support for BSTEM Courses Units 3.0</li> <li>• MATH 37EX College Algebra with Support Units 4.0</li> <li>• MATH 38AEX Precalculus I with Support Units 6.0</li> <li>• MATH 38BEX Precalculus II with Support Units 4.5</li> </ul>	
Open to students who have successfully completed high school Intermediate Algebra (or equivalent)	<ul style="list-style-type: none"> <li>• Any of the above courses</li> </ul>	<ul style="list-style-type: none"> <li>• Any of the above courses</li> <li><b>OR</b></li> <li>• MATH 13 Survey of Calculus Units 4.0</li> <li>• MATH 20 Finite Mathematics Units 3.0</li> </ul>
Open to students who have successfully completed high school Precalculus (or equivalent) <b>OR</b> MATH 15EX, MATH 39, <b>OR</b> any combination of MATH 38A/MATH 38AEX and MATH 38B/MATH 38BEX	<ul style="list-style-type: none"> <li>• Any of the above courses</li> </ul>	<ul style="list-style-type: none"> <li>• Any of the above courses</li> <li><b>OR</b></li> <li>• MATH 1 Calculus I Units 5.0</li> </ul>
Open to students who have successfully completed high school Calculus (or equivalent) <b>OR</b> MATH 1 Calculus I	<ul style="list-style-type: none"> <li>• N/A</li> </ul>	<ul style="list-style-type: none"> <li>• Any of the above courses</li> <li><b>OR</b></li> <li>• MATH 2 Calculus II Units 4.0</li> </ul>

\*Courses with Corequisite Support include additional time to review prerequisite skills necessary for success and to provide extra instruction and practice with course concepts.

## Certificate Requirements

The Board of Trustees, as authorized by the California Community Colleges Board of Governors, shall award a Certificate of Achievement to students who have successfully completed required credit coursework and developed capabilities relating to career or general education as outlined in the College Catalog.

The Board of Trustees shall award a Certificate of Completion or a Certificate of Competency to students who have successfully completed required noncredit coursework that prepare students to progress in a career path or undertake degree-applicable or nondegree-applicable credit courses. A Certificate of Completion is designed to improve employability or job opportunities. A Certificate of Competency is designed to demonstrate achievement of a set of competencies.

- A. Content and assessment standards for certificates shall ensure that certificate programs are consistent with the District's mission, meet a demonstrated need, are feasible, and adhere to guidelines on academic achievement.
- B. Students must complete all of the prescribed course work leading to the certificate as listed in the College Catalog. A minimum of six units or one-third of the certificate's core course work (whichever is greater) must be completed at San Joaquin Delta College. These units must derive from the specific subject matter area in which the certificate is granted.
- C. Students must earn a grade of "C" or better in all courses required in a Certificate of Achievement. In the case of the California State University (CSU) General Education Certificate of Achievement, standards are established by CSU, which requires a minimum grade of "C" or better only in specifically defined courses as indicated in the College Catalog. Students must earn a grade of "P" in all courses required in a Certificate of Completion or a Certificate of Competency.

## GRADUATION AND TRANSFER REQUIREMENTS

- D. The Office of Admissions and Records shall certify that a student has completed the requirements for the certificate, and the award will be noted on student transcripts.
- E. The Discipline Group may waive a portion of the Certificate of Achievement requirement if the student has met the requirement in an alternate manner. However, the overall minimum unit requirement as specified in Title 5, Section 55070 must be satisfied.
- F. Certificates of Achievement eligible for financial aid consist of a sequence of courses with a minimum of 16 semester units. Low unit certificates, consisting of a sequence of courses with a minimum of eight semester units, are not eligible for financial aid.
- G. Certificates for which California Community Colleges Chancellor's Office approval is not sought may be given any name or designation deemed appropriate except for Certificate of Achievement, Certificate of Completion, or Certificate of Competency.  
(AP 4100.1, 12/13/23)

## Degree Requirements

### Associate in Arts (AA) and Associate in Science (AS)

The Board of Trustees, as authorized by the Board of Governors, California Community Colleges, will confer the degree of "Associate in Arts" or "Associate in Science" upon any student who successfully completes the requirements as outlined in the College Catalog. The distinction will be noted on student transcripts and diplomas.

1. **Unit Requirements**  
Completion of not less than 60 associate degree applicable semester units of course work with not less than a 2.0 cumulative grade point average.
2. **Residency Requirements**  
Of the required 60 semester units, the student must complete:
  - The last 12 units at San Joaquin Delta College and must be in attendance during the semester of qualification for graduation; or
  - A total of at least 12 units at San Joaquin Delta College.Units earned through Credit by Examination do not apply as residency units.
3. **Major Area of Emphasis/Major Requirements**  
The student must complete an approved area of study with a minimum of 18 semester units taken in an area of emphasis/major as identified in the College Catalog for the Associate in Arts or Associate in Science degrees.
4. **General Education Requirements**  
The student must complete **one** of the following:
  - The San Joaquin Delta College Associate Degree General Education Pattern as outlined in the College Catalog.
  - The California State University General Education (CSU-GE) Pattern/Certificate of Achievement as outlined in the College Catalog
  - The Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement as outlined in the College Catalog
5. **Minimum Competency**  
The student must demonstrate competencies in reading, written and oral expression, ethnic studies, and mathematics by a grade of "C" or better in each course used to satisfy the following part of the respective General Education, options:
  - The "Language and Rationality" and "Ethnic Studies" requirements of the San Joaquin Delta College general education pattern for an associate degree as defined in the College Catalog.
  - The "Communication in the English Language and Critical Thinking" "Ethnic Studies," and the "Mathematics" requirements of the California State University General Education Pattern/Certificate of Achievement as defined in the College Catalog.
  - The "English Composition," "Oral Communication," and "Mathematical Concepts and Quantitative Reasoning" requirements of the Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement as outlined in the College Catalog. In addition, an "Ethnic Studies" course from either the San Joaquin Delta College General Education Pattern or the California State University General Education Pattern/Certificate of Achievement from section 1 and 2 above.
6. **Application**  
An Application for Graduation must be filed prior to the application deadline during the semester of planned graduation in conformance with deadlines published in the Class Schedule.

## GRADUATION AND TRANSFER REQUIREMENTS

### 7. **Appeal**

Individual cases which deviate from this policy will be considered upon their merit by the Assistant Superintendent/Vice President of Student Services.

### 8. **Application of Course Credit**

A course may be used to satisfy both a general education requirement and a major or area of emphasis requirement. (AP 4100, 4/4/23)

## **Associate Degree for Transfer to California State University (AA-T/AS-T)**

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Note: Course substitution for associate degrees for transfer is limited to students transferring from another accredited institution that has an aligned degree in the same discipline (AP 4042, 2/14/12). Students transferring to a CSU campus that does accept the AA-T or AS-T degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

The table below lists the Associate Degrees for Transfer to CSU offered at Delta College and the Transfer and Career Pathway (TrAC) in which you will find them:

Degree	Tr3.ansfer and Career Pathway (TrAC)
Administration of Justice, AS-T	Social Science, Education, and Public Service
Agriculture Animal Science, AS-T	Agriculture
Agriculture Business, AS-T	Agriculture
Agriculture Plant Science, AS-T	Agriculture
Anthropology, AA-T	Social Science, Education, and Public Service
Art History, AA-T	Arts, Humanities, and Multimedia
Business Administration 2.0, AS-T	Business and Law
Communication Studies 2.0, AA-T	Communication and Languages
Computer Science, AS-T	Science, Engineering, Computer Science, and Math
Early Childhood Education, AS-T	Social Science, Education, and Public Service
Elementary Teacher Education, AA-T	Social Science, Education, and Public Service
English, AA-T	Communication and Languages
Geology, AS-T	Science, Engineering, Computer Science, and Math
History, AA-T	Social Science, Education, and Public Service
Journalism, AA-T	Arts, Humanities, and Multimedia
Kinesiology, AA-T	Health and Fitness
Law, Public Policy, and Society, AA-T	Business and Law
Mathematics, AS-T	Science, Engineering, Computer Science, and Math
Music, AA-T	Arts, Humanities, and Multimedia
Physics, AS-T	Science, Engineering, Computer Science, and Math
Political Science, AA-T	Social Science, Education, and Public Service
Psychology, AA-T	Social Science, Education, and Public Service
Social Justice Studies, AA-T	Social Science, Education, and Public Service
Spanish, AA-T	Communication and Languages
Studio Art, AA-T	Arts, Humanities, and Multimedia
Theatre Arts, AA-T	Arts, Humanities, and Multimedia

The following is required for all AA-T or AS-T degrees:

1. Minimum of 60 CSU-transferable semester units.
2. 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 to the CSU system, some majors and/or campuses may require a higher GPA. Please consult with a counselor for more information.
3. Completion of all major classes, a minimum of 18 semester units required, in an AA-T or AS-T major as defined in the Delta College Catalog. All courses in the major must be completed with a grade of "C" or better or a "P" if the course is taken on a "pass-no pass" basis (Title 5 § 55063).

4. Completion of the California State University General Education (CSU GE) Pattern or the Intersegmental General Education Transfer Curriculum (IGETC) Pattern.

### Philosophy and Criteria for Associate Degree and General Education

The awarding of an Associate degree is intended to represent more than an accumulation of units. It is to symbolize a successful attempt on the part of the college to lead students through patterns of learning experiences designed to develop certain capabilities and insights. Among these are the ability to think and to communicate clearly and effectively both orally and in writing; to use mathematics, to understand the modes of inquiry of the major disciplines; to be aware of other cultures and times; to achieve insights gained through experience in thinking about ethical problems, and to develop the capacity for self-understanding.

In addition to these accomplishments, the student shall possess sufficient depth in some field of knowledge to contribute to lifetime interest.

Central to an Associate degree, general education is designed to introduce students to the variety of means through which people comprehend the modern world. It reflects the conviction of colleges that those who receive their degrees must possess in common certain basic principles, concepts, and methodologies both unique to and shared by the various disciplines. College educated persons must be able to use this knowledge when evaluating and appreciating the physical environment, the culture, and the society in which they live. Most important, general education should lead to better understanding.

In the establishing or modifying a general education program, ways shall be sought to create coherence and integration among the separate requirements. It is also desirable that general education programs involve students actively in examining values inherent in proposed solutions to major society problems. (BP 4025, 2/4/25)

Criteria for determining General Education courses:

1. Courses appropriate for general education will include the following criteria:
  - a. Course Integrity and Breadth - The course exposes the student to a wide spectrum of principles, theories, beliefs, and knowledge within individual academic disciplines and is not primarily a part of a sequence of courses.
  - b. Critical Thinking - The course requires the student to critically analyze principles, theories, beliefs, and knowledge included in the course.
2. In addition, courses will also include at least four of the following criteria:
  - a. Individual Perspectives - The course uses the methods of each discipline to develop the student's ability to examine, evaluate, and express individual perspectives.
  - b. Integration of Knowledge - The course aims at integrating the major concepts of the course with knowledge from other general education areas.
  - c. Culture and Heritage - The course examines culture and heritage and their role in understanding and shaping society.
  - d. Application of Knowledge - The course prepares the student to apply the principles and content of a particular discipline to understand, analyze, and evaluate information to solve problems.
  - e. Communication of Knowledge - The course prepares the student to communicate information in a variety of ways.
  - f. Discipline Exploration - The course provides a foundation of knowledge and technique from which the student can continue learning in the general discipline area.

Students receiving an associate degree shall complete a minimum of 27 semester units of general education coursework which includes a minimum of semester units in each of the areas specified in paragraphs (1), (2), (3), (4), (5), (6), and (7) and the same minimum in each part of paragraph (1).

Criteria for judging courses as appropriate for the required general education areas include:

1. **Language and Rationality**
  - a. Courses fulfilling the English composition requirement shall be designed to include both expository and argumentative writing. Courses offered in fulfillment of this requirement shall be at the level typically known as Freshman Composition.
  - b. Courses fulfilling the mathematics requirement shall be at the level typically known as Intermediate Algebra, (either Intermediate Algebra or another mathematics course at the same level, with the same rigor and with Intermediate Algebra as a prerequisite). This requirement may also be met by a mathematics course taught in or on behalf of other departments and which, as determined by the local governing board, require entrance skills at a level equivalent to those necessary for Intermediate Algebra. Mathematics courses with a prerequisite of Intermediate Algebra may also be used to satisfy this requirement.
  - c. Courses fulfilling the oral communication requirement will develop knowledge and understanding of the form, content, context, and effectiveness of communication. Students will develop proficiency in oral communication, examining communication from the rhetorical perspective and practicing reasoning and

## GRADUATION AND TRANSFER REQUIREMENTS

advocacy, organization, and accuracy. Coursework must include active participation and practice in oral communication in the physical presence of faculty and other listeners.

### 2. **Natural Sciences**

- a. Courses in the natural sciences are those which examine the physical universe, its life forms, and its natural phenomena. This category would include introductory or integrative courses in astronomy, biology, chemistry, general physical science, geology, meteorology, oceanography, physical geography, physical anthropology, physics and other scientific disciplines.
- b. To satisfy the general education requirement in natural sciences, a course shall be designed to help the student develop an appreciation and understanding of the scientific method, and encourage an understanding of the relationships between science and other human activities.

### 3. **Humanities**

- a. Courses in the humanities are those which study the cultural activities and artistic expressions of human beings. Such courses could include introductory or integrative courses in the arts, foreign languages, literature, philosophy, and religion.
- b. To satisfy the general education requirement in the humanities, a course shall be designed to help the student develop an awareness of the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them in artistic and cultural creation and help the student develop aesthetic understanding and ability to make value judgments.

### 4. **American Institutions**

- a. Courses fulfilling the American Institutions requirement focus study in three areas: the historical development of American institutions and ideals, the Constitution of the United States and the operation of representative democratic government under the Constitution, and the process of California State and local government.
- b. Courses in American History will cover significant events from U.S. history, as follows: cover a minimum time span of approximately one hundred years occurring in the entire area now included in the United States of America including the relationships of regions within that area and with external regions and powers, the role of major ethnic and social groups, the "continuity of the American experience" (i.e., not a string of isolated events) and its derivation from others cultures, including study of politics, economics, social movements, and/or geography (at least three of the four).
- c. Courses examining the U.S. Constitution will include the political philosophies of the framers of the Constitution, the operation of United States political process and institutions under the U.S. Constitution, and the rights and obligations of individual citizens in the political system established under the Constitution.
- d. Courses in the area of California state and local government will address the Constitution of the State of California and the nature and processes of California state and local government.
- e. Courses accepted in satisfaction of this requirement must have been approved for satisfaction of the CSU "American Institutions: U.S. History, Constitution, and American Ideals" requirement. See CSU Executive Order 405 for further clarification. It is unlikely that a single course would include sufficient breadth and depth to rigorously satisfy all of the above requirements.

### 5. **Social and Behavioral Sciences**

- a. Courses in the social and behavioral sciences are those which focus on people as members of society. This category would include introductory or integrative survey courses in cultural anthropology, cultural geography, economics, history, political science, psychology, sociology, and related disciplines.
- b. To satisfy the general education requirement in social and behavioral sciences, a course shall be designed to develop an awareness of the methods of inquiry used by the social and behavioral sciences. It shall be designed to stimulate critical thinking about the ways people act and have acted in response to their societies and should promote appreciation of how societies and social subgroups operate.

### 6. **Lifelong Learning and Self-Development**

- a. Courses in this category are designed to equip learners for lifelong understanding and development of themselves as integrated physiological, social, and psychological beings.
- b. Courses in this category should include content such as student success strategies, human behavior, sexuality, nutrition, physical and mental health, stress management, information literacy, social relationships and relationships with the environment, as well as implications of death and dying or avenues for lifelong learning. Content should cover the integrated physiological, social, and psychological development of human beings for more than a few years of a human lifespan. Physical activity courses are not appropriate for this area.
- c. Courses in this area shall focus on the development of skills, abilities, and dispositions.
- d. This area may be satisfied (3 units) through submission of Form DD214 or another official document verifying completion of U.S. basic military training.
- e. Courses offered under the old Awareness of Self and Society area will remain effective until Summer 2025. Legacy courses are encouraged to apply for the new Lifelong Learning and Self-Development area if they believe they meet the criteria.

### 7. **Ethnic Studies**

- a. Courses in ethnic studies are designed to introduce students to a critical and interdisciplinary study of race, ethnicity, and indigeneity with a focus on the lived experiences of people of color within the United States.

## GRADUATION AND TRANSFER REQUIREMENTS

- b. To be approved for this requirement, courses shall have the following course prefixes: Ethnic Studies, African American Studies, Asian American Studies, Latina/o American Studies, or Native American Studies. Similar course prefixes (e.g., Pan-African Studies, American Indian Studies, Chicana/o Studies) shall also meet the requirement. Courses without ethnic studies prefixes may meet this requirement if cross-listed with a course with an ethnic studies prefix.
- c. Courses in this area shall contain at least 3 of the 5 following core competencies by including the core competencies in the course objectives or student learning outcomes (effective Fall 2022):
  - Analyze and articulate concepts such as race and racism, racialization, ethnicity, equity, ethno-centrism, eurocentrism, white supremacy, self-determination, liberation, decolonization, sovereignty, imperialism, settler colonialism, and anti-racism as analyzed in one or more of the following: Native American Studies, African American Studies, Asian American Studies, and Latina and Latino American Studies.
  - Apply theory and knowledge produced by Native American, African American, Asian American, and/or Latina and Latino American communities to describe the critical events, histories, cultures, intellectual traditions, contributions, lived-experiences, and social struggles of these groups with a particular emphasis on agency and group-affirmation.
  - Critically analyze the intersection of race and racism as they relate to class, gender, sexuality, religion, spirituality, national origin, immigration status, ability, tribal citizenship, sovereignty, language and/or age in Native American, African American, Asian American, and/or Latina and Latino American communities.
  - Critically review how struggle, resistance, racial and social justice, solidarity, and liberation, as experienced and enacted by Native American, African Americans, Asian Americans, and/or Latina and Latino Americans are relevant to current and structural issues such as communal, national, international, and transnational politics as, for example, in immigration, reparations, settler-colonialism, multiculturalism, language policies.
  - Describe and actively engage with anti-racist and anti-colonial issues and the practices and movements in Native American, African American, Asian American, and/or Latina and Latino communities and a just and equitable society. (AP 4025, 6/7/22)

### General Education Patterns

- San Joaquin Delta College Associate Degree General Education Pattern
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement

### Transferring to a Four-Year Institution

#### Essential Transfer Information

The following information is a brief overview of what students are advised to complete in order to transfer successfully:

- See a counselor at least once each semester to serve as your guide to the transfer process. Counseling appointments may be scheduled online at: [www.deltacollege.edu/departments/counseling-center](http://www.deltacollege.edu/departments/counseling-center). The Counseling Center may be reached at (209) 954-5151, ext. 6276 for information regarding other counseling and support services.
- Counselors can assist in researching careers and majors that will fit with the student's personal interests and abilities.
- Research college campuses that have the selected major and fit the lifestyle the student would like in a four-year college or university. Arrange to visit these campuses.
- If transferring to a CSU campus, determine if the AA-T or AS-T degree exists for your intended major.
- Develop an educational plan with a counselor that will serve as a map to transfer. You can use [www.assist.org](http://www.assist.org) to determine major preparation requirements at individual CSU and UC campuses.
- Determine if the planned college or university provides a Transfer Admission Guarantee (TAG) agreement.
- Complete the appropriate general education pattern and maintain the required grade point average (GPA).
- Complete the AA-T/AS-T degree or major preparation course work with the required GPA, which will prepare the student for admission to the chosen major at the junior level.
- Apply to the college or university of your choice within the posted deadlines. Failure to apply early in the application period may negatively affect your ability to transfer.
- Apply for the Associate Degree and graduation from Delta College, if applicable.
- Once accepted to a college or university, have the general education pattern certified as complete by the evaluations office. Students transferring to a CSU campus with a completed AA-T or AS-T degree do not need to have general education certified. All students should apply for a Certificate of Achievement in CSU GE or IGETC, depending upon which GE pattern was completed.
- Forward final grades to the university as soon as they have been posted to the transcript.

## GRADUATION AND TRANSFER REQUIREMENTS

- Follow all notices from the school, making special note of any deadlines that may be approaching. Register for classes at the date and time assigned.

For more information on evaluations, please visit [www.deltacollege.edu/departments/admissions-records-registration](http://www.deltacollege.edu/departments/admissions-records-registration). Evaluators may be contacted by e-mail at: [ar-evaluations@deltacollege.edu](mailto:ar-evaluations@deltacollege.edu).

Congratulations! You've accomplished a goal of major importance that will help to transform the rest of your life.

### Minimum Admission Requirements

There are four areas to research when planning the courses needed to transfer:

1. Admission requirements for the planned college or university.
2. Major preparation courses, which meet prerequisites for upper division course work, should be completed at Delta College before transfer. Information for UC/CSU major preparation can be found at: [www.assist.org](http://www.assist.org).
3. Lower division general education requirements.
4. Other requirements that can be completed at Delta College, such as foreign language or diversity classes.

Students planning to transfer to a four-year institution from San Joaquin Delta College should consult with a Delta College counselor, a representative of the campus to which you plan to transfer, and/or refer to the College Catalog and website for that campus in order to obtain the most current information

### California State University (CSU)

Admission requirements for students who have completed fewer than 60 transferable units at the time of entry to the CSU:

- Have a college grade point average of 2.0 or better in all transferable college units attempted;
- Be in good standing at the last college or university attended (eligible to re-enroll);
- Meet the admission requirements as a first-time freshman or successfully complete necessary courses to make up the deficiencies;
- Meet the eligibility index required of freshman: students may need SAT or ACT test scores, depending on grade point average and the requirements for the intended campus;
- Contact the planned campus to determine whether there are limits on admission as a lower division transfer student. Some campuses may require completion of English composition and general education mathematics. Many campuses require junior status to transfer.

Admission requirements for students who have completed 60 or more transferable units at the time of entry to the CSU:

- Have a college grade point average of 2.0 or better in all transferable college units attempted;
- Be in good standing at the last college or university attended (eligible to re-enroll);
- Complete 30 semester units of courses equivalent to general education requirements with a grade of "C" or better. The 30 units must include all of the general education requirements in communication in the English language (English composition, oral communication, and critical thinking) and at least one course in college level mathematics.

Admission requirements for the Associate Degree for Transfer (AA-T/AS-T)

Complete an AA-T or AS-T degree that includes:

- Minimum of 60 CSU-transferable semester units.
- 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 a minimum of 18 semester units in an AA-T or AS-T major as defined in the Delta College Catalog. All courses in the major must be completed with a grade of "C" or better or a "P" if the course is taken on a "pass/no pass" basis (Title 5 § 55063).
- Completion of the CSU General Education Pattern.

### Warriors on the Way (WOW) Program - CSU Stanislaus

**Great news!** It is now possible to earn a bachelor's degree from a public institution without ever leaving Stockton or San Joaquin County.

Stanislaus State and Delta College have partnered to provide a seamless transfer experience for students from Stockton and surrounding areas. Delta College students can transfer to Stanislaus State's Stockton Center, where they will be guaranteed the courses they need in any of six majors. No need to commute to Turlock!

## GRADUATION AND TRANSFER REQUIREMENTS

### Details about Warriors on the Way (WOW)

The following majors have a guaranteed sequence of courses at the Stockton Center that would lead to completion of the bachelor's degree in two years. If you are interested in one of the below programs, we encourage you to join WOW.

- **Administration of Justice:** law enforcement
- **Business Administration:** accounting, finance, general business, management (human resources track), marketing
- **Communication Studies:** communication studies
- **Health Science:** health science
- **Liberal Studies:** elementary teaching content preparation, integrated teacher education
- **Psychology:** psychology

Students who commit to participate agree to:

- Earn an Associate Degree for Transfer (ADT) in one of the approved majors and complete additional prerequisites as required. Health Science requires completion of an Associates in Science (AS) in lieu of an (ADT).
- Meet CSU admission requirements and deadlines for the intended transfer term.
- Remain continuously enrolled at Delta College.
- Meet with a WOW advisor each semester.

Benefits to joining include:

- Upon successful transfer, a guaranteed two-year sequence of courses at the Stockton Center leading to completion of your bachelor's degree.
- A waiver of your Stanislaus State admission application fee.
- Dedicated WOW advisors to keep you on track.
- Opportunities to participate in WOW events and activities.

### Questions? Want to join?

Make an appointment with a Stanislaus State advisor at Delta. Visit the Career Transfer Center for a calendar of available times.

### University of California (UC)

Students who have completed 60 transferable units at the time of entry to the UC must meet the following admission requirements:

- Have a college grade point average of at least a 2.4 (while this is the minimum GPA, a student should have a higher GPA to be competitive at admission)
- Complete two transferable college courses in English composition, one transferable college course in mathematical concepts and quantitative reasoning, and four UC transferable courses chosen from at least two of the following subject areas: arts and humanities, social and behavioral sciences, and physical and biological sciences.

Students who have completed fewer than 60 transferable units at the time of entry to the UC must meet the following admission requirements:

- Meet the admission requirements for a first-time freshman (A-G subjects, grades, and test requirements), or successfully complete courses to make up any subject deficiencies;
- Have a college grade point average of 2.0 or better in all transferable college units attempted; and,
- The planned campus should be contacted to determine whether there are limits on admission as a lower division transfer student. Many campuses require junior status for transfer.

\*NOTE: UC limits transferability of physical education courses to four units of combined activity (PEACTIV) courses and eight units of combined theory (PETHEORY) courses. Students are advised to see a counselor for additional information. For more information, visit ([admission.universityofcalifornia.edu](http://admission.universityofcalifornia.edu)), or obtain printed materials in the Career Transfer Center.

### UC Transfer Admissions Guarantee (TAG) Program

Six University of California (UC) campuses, Davis, Irvine, Merced, Riverside, Santa Barbara, and Santa Cruz; provide California Community College students the opportunity to develop a Transfer Admission Guarantee (TAG) with one of these campuses. Approved TAGs guarantee admission to the UC campus indicated. UC TAGs are submitted during the month of September for admission consideration for the following fall term. Only UC Merced accepts TAG applications for the spring semester and those TAGs must be submitted in the month of June for admission consideration for the following spring term. Students who submit a TAG in September will also be required to submit a formal UC Application for Admission during the month of November for fall admission and the month of July for the spring semester. Students who fulfill the conditions as outlined on the TAG will be guaranteed admission upon completion of the formal admission process.

Students who are interested in obtaining a UC TAG are encouraged to meet with a Delta College counselor as early as possible to develop a Comprehensive Student Education Plan (CSEP), a document that identifies all of the lower division

## GRADUATION AND TRANSFER REQUIREMENTS

courses offered at the community college that the student will need to complete in order to become TAG eligible and well prepared in their academic major once they transfer to the UC.

Another key step for students interested in obtaining a UC TAG is to create an account on the UC Transfer Admission Planner (UC TAP) as soon as possible. The student enters personal information and all of the coursework that has been completed, as well as courses in progress and planned, according to the CSEP document. The UC TAP can help the student to monitor progress every semester. As a web-based site, the counselor and UC staff can engage with the student online at the UC TAP website by providing additional advising and support, and also to make available to the student, opportunities to participate in activities designed to help the student to transfer.

Another type of guaranteed admission, Transfer Admission Agreement (TAA), is offered by the University of Pacific and is available for select majors only. The California State University (CSU) grants priority admission consideration for students who will complete the Associate Degree for Transfer (ADT) in an AA-T or AS-T major deemed similar to the degree at the CSU. Students who reside within the local area of a particular CSU campus that serves their region are also given priority admission. For more information and to develop a CSEP with a Delta Counselor, counseling appointments may be scheduled online at: [www.deltacollege.edu/departments/counseling-center](http://www.deltacollege.edu/departments/counseling-center).

Appointments with the Lead Counselor for Transfer and with the University Representatives who visit Delta's campus can be made by calling (209) 954-5151, ext. 6339.

### Historically Black Colleges and Universities (HBCU)

#### California Community Colleges Transfer Guarantee Pathway to Historically Black Colleges and Universities

Any California community college student with a GPA of 2.0 or higher (NOTE: certain partner HBCU will require a higher GPA) is guaranteed admission to all partner HBCU institutions using either of the following two options while at the California Community College:

- Complete an Associate Degree for Transfer (AA-T or AS-T) using the CSU General Education pattern; or
- Complete a minimum of 30 UC or CSU units.

Those students completing an Associate in Arts (AA) or Associate in Science (AS) degree are welcomed to apply to all partner institutions; however, the benefit of guaranteed admissions is not offered and all degree applicable units are subject to transcript evaluation.

Students who are interested in obtaining an HBCU Transfer Guarantee are encouraged to meet with the Lead Counselor for HBCU Transfer as early as possible for hands-on guidance through the transfer process, to discuss their schools of interest and review a list of HBCU partner schools, and to ensure they meet program requirements. This program guarantees admission to 39 HBCUs.

#### Transfer Advantages:

- Acceptance of completed transfer-level community college courses
- Application fee waiver code available to the online Common Black College Application
- A free single application for up to four participating partner HBCU institutions
- A simplified transfer process
- Priority consideration for housing when application submitted by the posted deadline
- Consideration for transfer scholarships if students have a 3.2 or higher grade-point average (based on funding availability)
- Pre-admission advisement by program staff and institution representatives

### California Independent College or University

Each of these campuses maintain different admission requirements. To begin exploring and identifying the campus suited to ones needs, students should:

1. Visit [www.aiccmmentor.org](http://www.aiccmmentor.org). This website provides information about California's independent colleges and universities. Visit specific campus websites for additional admissions information.
2. Visit the planned campuses.
3. Learn how to apply for financial aid in California.

### General Education Transfer Requirements

Cal-GETC is the general education pathway for California Community College (CCC) students to fulfill lower-division general education requirements for transfer and admission to both the California State University (CSU) and the University of California (UC)13.

## GRADUATION AND TRANSFER REQUIREMENTS

Cal-GETC (California General Education Transfer Curriculum) is a streamlined general education (GE) pathway that will replace the existing IGETC and CSU GE Breadth patterns for California Community College students starting in Fall 2025.

Things to know about Cal-GETC:

- One unified pathway covers GE requirements for both CSU and UC transfer admissions
- Cal-GETC applies to lower-division GE only
- With the rise in associate degrees for transfer (ADTs) for CSU's, the goal is to improve transfer efficiency and shorten time-to-degree completion

For more information on evaluations, please visit [www.deltacollege.edu/departments/admissions-records-registration](http://www.deltacollege.edu/departments/admissions-records-registration).

### General Education Certification

Following admission to a four-year college or university, and during the final semester of enrollment at Delta College, students may request General Education Certification for completion of the required lower division general education courses. The certification process provides community college transfer students the opportunity to complete all lower division general education course work prior to transfer. The General Education Certification form can be found under Evaluations at: [www.deltacollege.edu/departments/admissions-records-registration](http://www.deltacollege.edu/departments/admissions-records-registration).

### Major Preparation

Each four-year institution has a specific list of courses required to prepare a student for a major. Students should:

1. Complete an AA-T or AS-T degree if available for transferring to a CSU.
2. Meet with a counselor to discuss which courses are appropriate for the major they plan to pursue at a particular school. Counseling appointments may be scheduled by calling (209) 954-5151, ext. 6276 or by accessing live chat on our web page at: [www.deltacollege.edu/departments/counseling-center](http://www.deltacollege.edu/departments/counseling-center).
3. Visit the website, [www.assist.org](http://www.assist.org), to learn more about preparation for the major at the UC/CSU to which the student intends to transfer.
4. Visit the website for the school to which the student intends to transfer.
5. Visit the campus of the school which the student intends to transfer and speak with an advisor in the major department to learn more about the specific preparation that is required.
6. Meet with a representative from the transfer institution in the Delta College Career and Transfer Center. Check with Transfer Center staff to determine if or when the preferred transfer institution representative will be available for appointments.

### Other Requirements

Students may be able to satisfy additional campus-specific requirements of the transfer institution prior to transfer. These requirements may include foreign language, diversity, ethnic studies, or courses used to satisfy writing competencies at the receiving institution. Students are advised to consult with a counselor to determine if the transfer campus has such requirements.

### Satisfying the American Institutions Requirement When Using IGETC

Students using the IGETC Pattern to transfer to a CSU campus should complete the CSU American Institutions Graduation Requirement outlined following the CSU General Education Pattern in this Catalog. This is not a requirement for transfer, but it is highly recommended that it be completed prior to transfer.

Students using the IGETC Pattern for transfer to a UC campus may have satisfied the American History and Institutions requirement through high school course work. Satisfactory completion of a one-year course in U.S. History, or a half-year course in U.S. History, and a half-year course in American Government in high school, satisfies this requirement at all UC campuses except at UC Santa Barbara, which requires a college-level course. UCLA requires that the student must have earned a "B" average in these high school courses. Students who did not satisfy the American History and Institutions requirement through high school coursework may do so by completing indicated courses on the IGETC Pattern. Students are advised to consult with a counselor to ensure successful transfer.

### Graduation Information

Students may apply for graduation online through MyDelta. The last day to apply for summer, fall, or spring graduation is indicated on the Registration Calendar for each term. Degrees and certificates are awarded at the conclusion of the applicable term. Graduates from summer and fall and candidates for spring graduation are eligible to participate in the annual commencement ceremony which is held at the conclusion of the spring semester. Information about the annual commencement ceremony may be found on the College website.

## **Policies, Procedures, and Standards**

### **Disclaimer**

College Policies and Procedures outlined in the Catalog were accurate at the time of publication. Changes do occur from time to time. The most up-to-date Board Policies and Administrative Procedures are published on the college website at [www.deltacollege.edu/shared-governance/policies-procedures](http://www.deltacollege.edu/shared-governance/policies-procedures).

## **Campus Security Safety and Security**

### **Campus Security**

The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act is the landmark federal law, originally known as the Campus Security Act, which requires colleges and universities across the United States to disclose information about crime on and around their campuses. Because the law is tied to participation in federal student financial aid programs it applies to most institutions of higher education both public and private. It is enforced by the U.S. Department of Education.

The "Clery Act" is named in memory of 19-year-old Lehigh University freshman Jeanne Ann Clery who was raped and murdered while asleep in her residence hall room on April 5, 1986. Jeanne's parents, Connie and Howard, discovered that students hadn't been told about 38 violent crimes on the Lehigh campus in the three years before her murder. They joined with other campus crime victims and persuaded Congress to enact this law, which was originally known as the "Crime Awareness and Campus Security Act of 1990."

The law was amended in 1992 to add a requirement that schools afford the victims of campus sexual assault certain basic rights and was amended again in 1998 to expand the reporting requirements. The 1998 amendments also formally named the law in memory of Jeanne Clery. The law was most recently amended in 2000 to require schools beginning in 2003 to notify the campus community about where public "Megan's Law" information about registered sex offenders on campus could be obtained.

**To view the Clery Report and other information regarding District security and safety, visit the San Joaquin Delta College District Police Department website at [www.deltacollege.edu/departments/district-police-department](http://www.deltacollege.edu/departments/district-police-department) or call (209) 954-5000.**

See BP/AP 3500 Campus Safety and BP/AP 3501 Campus Security and Access.

### **Drug-Free Campus**

The District shall be free from all drugs and from the unlawful possession, use or distribution of illicit drugs and alcohol by students and employees.

The unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in all facilities under the control and use of the District.

Any student or employee who violates this policy will be subject to disciplinary action (consistent with local, state, or federal law), which may include referral to an appropriate rehabilitation program, suspension, demotion, expulsion, or dismissal.

The Superintendent/President shall assure that the District distributes annually to each student and employee the information required by the Drug-Free Schools and Communities Act Amendments of 1989 and complies with other requirements of the Act. (BP 3550, 9/8/09)

### **Fingerprint Procedure to Obtain Criminal History**

The purpose of the fingerprint process is to allow the District to conduct a criminal history inquiry with the California Department of Justice (DOJ), Bureau of Criminal Identification and Information (BCII) to determine whether a person has a criminal conviction that would prevent the individual's employment, continued employment, or volunteering with the District. The California Education Code prevents the District from employing, or retaining persons who have been convicted of certain sex offenses, and/or certain controlled substance offenses.

#### **Fingerprinting Procedure**

- The Request for Live Scan Services form BCII 8016 is obtained from the Human Resources Department and a listing of Live Scan sites and

instructions for prospective employees or volunteers will also be provided.

## **POLICIES, PROCEDURES, AND STANDARDS**

- The Live Scan form and a valid photo identification must be presented to the technician at the Live Scan site at the time of the fingerprint processing. Expired identification documents will not be accepted.
- Digital fingerprints shall be obtained and transmitted by the Live Scan site to the DOJ. The DOJ will digitally transmit criminal history results to the Human Resources Department.
- Human Resources shall review all District clearances that indicate a criminal history.
- The Director of Human Resources shall determine whether a criminal conviction shall prohibit an applicant or employee from volunteering, gaining or continuing employment with the District, respectively.
- The Director of Human Resources will notify a prospective or current employee of a criminal conviction that would prohibit their impending or current employment with the District, respectively.

### **Cost**

- The District bears the cost for prospective employees of fingerprinting and processes at approved Live Scan service(s), and the DOJ and FBI.

### **Required Clearances**

- All prospective faculty, management, classified, confidential, and short term employees are required to have DOJ and FBI clearances.
- All prospective employees, volunteers, and student lab aides working at the Child Development Center (CDC) are required to have DOJ, FBI, and Child Abuse Index clearances. In the event a student enrolled in a class requiring CDC lab hours does not receive Child Abuse Index clearance, the student shall be dropped from the class requiring the lab hours or assigned activities in the CDC unless other arrangements equivalent to the course requirements can be made with the faculty member in charge of the class.
- All prospective Police Officers are required to have a DOJ, FBI, Child Abuse Index, and Firearms clearances.
- All volunteers are required to have DOJ and FBI clearances with the exceptions as outlined in AP 7500, Volunteers. (AP 7337, 6/8/24)

### **Fire Alarms**

During an audible fire alarm activation or when ordered to leave by the police, emergency personnel, or college staff, please take the following actions:

1. ALWAYS EVACUATE A BUILDING IF THE FIRE ALARM IS SOUNDING.
2. Inform others in the building who may not have responded to the alarm to leave immediately.
3. The alarm may not sound continuously. If the alarm stops, continue to evacuate the building and warn others who may attempt to enter the building.
4. If time permits, turn off computers, unplug electrical equipment, take your purse or wallet, and close windows and doors before leaving.
5. If you have a mobility impairment, request assistance from those nearest you. If no one is there to render assistance, proceed to the nearest stairway landing, and shout for help. Consultation about these procedures is available from the Police Department.
6. When fire alarms sound, do not use the elevators. An elevator may become a trap. Assist (help carry, if necessary) all disabled persons in using the stairs.
7. If there is a closed door in your exit path, touch the door lightly with the back of your hand to ensure it is not warm. If it is not warm, open slowly. Be prepared to close the door quickly if smoke or flames are present.
8. If there is smoke in your only exit path, crawl on your hands and knees, keeping your head as close to the ground as possible to avoid inhaling toxic fumes.
9. Relocate to a nearby parking lot and keep the pathways and roadways clear for responding emergency personnel.
10. Do not return to the building until told to do so by the Police Department or emergency personnel.

### **No Habra Discriminación**

De acuerdo con la legislación de los Derechos Civiles, San Joaquin Delta College proporciona servicios y beneficios a sus estudiantes sin importar la raza, color, origen nacional, sexo, edad o cualquier incapacidad. La falta del conocimiento de la idioma inglés no sera obstáculo para ser admitido y participar en los programas de educación vocacional.

(Título VII Acta de Derechos Civiles de 1964; Título IX de las Enmiendas de Educación de 1972; las Secciones 503 y 504 del Acta de Rehabilitación de 1973).

Para más información acerca de estas leyes y reglamentos comuníquese con la oficina de recursos humanos: (209) 954-5056.

## **POLICIES, PROCEDURES, AND STANDARDS**

### **Nondiscrimination Policy**

1. The Board of Trustees of San Joaquin Delta Community College District is committed to equal opportunity and nondiscrimination in education programs, employment, and all access to institutional programs and activities.
2. As required by law, the District and each individual who represents the District shall provide access to its services, classes and programs and shall make all decisions regarding educational opportunities, recruitment, hiring, dismissal, compensation, promotions, and all other terms and conditions of employment without regard to grooming standards, hairstyles, national origin, immigration status, religion, religious dress, age, sex, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, military and veteran status, or any other legally protected class, 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.
3. The Superintendent/President shall establish administrative procedures that ensure all members of the college community can present complaints regarding alleged violations of this policy and have their complaints heard in accordance with the Regulations of the Board of Governors of the California Community Colleges pursuant to Title 5 of the California Code of Regulations and those of other agencies that administer state and federal laws regarding nondiscrimination. (See AP 3410 and 3435 for additional information).
4. No 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 as set forth in item "B."  
(BP 3410, 2/1/22)

### **Principles of Community**

San Joaquin Delta Community College District is committed to providing the campus community with a safe and collegial environment in which fear, intimidation and bullying are not tolerated. All employees, students, and volunteers are expected to treat each other with respect, dignity, and civility, recognizing that disagreement and informed debate are valued in an academic community. Treating others with civility and respect and refusing to perpetuate or tolerate bullying behavior are expected standards for district employees, volunteers, and students as well as vendors, independent contractors, and visitors to the College.

In accordance with this aim, the District will not tolerate behavior which insults, degrades, intimidates, threatens, or stereotypes any individual, race, gender, disability, physical characteristic, ethnic group, sexual preference, age, national origin, income level, or religion.

The spirit of the principles of community policy will be applied to all District employees, students, and volunteers. Conduct by employees or students that violate this policy may be addressed in accordance with appropriate disciplinary procedures.  
(BP 3440, 5/20/14)

### **Prohibition of Harassment**

All forms of harassment are contrary to basic standards of conduct between individuals. State and federal law and this policy prohibit harassment, and the District will not tolerate harassment. 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 unlawful harassment, including that which is based on any of the following statuses: grooming, national origin, immigration status, religion, standards, hairstyles, religious dress, age, sex, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, military and veteran status, or any other legally protected class, 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.

The District seeks to foster an environment in which all employees, students, unpaid interns, and volunteers feel free to report incidents of harassment without fear of retaliation or reprisal. Therefore, the District also strictly prohibits retaliation against any individual for filing a complaint of harassment or for participating in a harassment investigation. Such conduct is illegal and constitutes a violation of this policy. The District will investigate all allegations of retaliation swiftly and thoroughly. If the District determines that someone has retaliated, it will take all reasonable steps within its power to stop such conduct. Individuals who engage in retaliatory conduct are subject to disciplinary action, up to and including termination or expulsion.

Any student, employee, unpaid intern, or volunteer who believes that they have been harassed or retaliated against in violation of this policy should immediately report such incidents by following the procedures described in AP 3435, Discrimination and Harassment Complaints and Investigations. The District requires administrators, managers, and supervisors to report all incidents of harassment and retaliation that come to their attention.

This 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.

To this end, the Superintendent/President, or designee, shall ensure that the institution undertakes education and training activities to counter harassment and to prevent, minimize, or eliminate any hostile environment that impairs access to equal education opportunity or impacts the terms and conditions of employment.

The Superintendent/President, or designee, shall establish procedures that define harassment on campus. The Superintendent/President, or designee, shall further establish procedures for employees, students, unpaid interns, volunteers, independent contractors, and other members of the campus community that provide for the investigation and resolution of complaints regarding harassment and discrimination, and procedures to resolve complaints of harassment and discrimination. State and federal law and this policy prohibit retaliatory acts by the District, its employees, students, and agents.

The District will publish and publicize this policy and related written procedures (including the procedure for making complaints) to administrators, faculty, staff, students, unpaid interns, and volunteers particularly when they are new to the Institution/District. The District will make this policy and related written procedures (including the procedure for making complaints) in all administrative offices and will post them on the District's website. Employees who violate this policy and related procedure are subject to disciplinary action, up to and including termination. Students who violate this policy and related procedures are subject to disciplinary measures up to and including expulsion. Unpaid interns who violate this policy and related procedures may be subject to disciplinary measures up to and including termination from the internship or other unpaid work experience program.

(BP 3430, 2/1/22)

## **Smoking on Campus**

There shall be no smoking, use or sale of tobacco-related products on San Joaquin Delta Community College District property including all indoor and outdoor spaces owned, leased, licensed, or otherwise controlled by the District. The District shall provide and maintain a workplace and learning environment that is smoke and tobacco-free to promote the safety and health of students, employees, and the public.

Tobacco use is prohibited in all District owned and leased vehicles including vans, automobiles, buses, and all types of delivery, maintenance, and service vehicles.

The District will support and assist efforts to stop smoking by providing literature, referrals to community cessation programs, and by sponsoring periodic campus smoking cessation campaigns.

Implementation of the Smoke-Free Campus policy will be the shared responsibility of every visitor, student, faculty member, classified member, confidential member, manager, administrator, and Board member:

- Notification of the Smoke-Free Environment shall be published on a continual basis in the College Catalog, handbooks, websites, Class Schedules, and other appropriate locations.
- "Welcome to Delta College: We Are a Smoke-Free Campus" signs will be posted at major campus entrances.
- "No Smoking" signs may be posted at building entrances, breezeways, air intake systems, etc., as needed.
- No cigarette urns will be placed on District property.

To enforce smoking and tobacco control regulations and procedures, the Superintendent/President is authorized to:

- Smoking violations shall be subject to issuance of citations by the San Joaquin Delta College Police Department as provided for by state law. The fine shall be equal to the average fine of parking violations. The fine amounts will be imposed as follows: First violation will be \$33.00; second violation will be \$66.00; and, the third and subsequent violations will be - \$100.00. Repeat violations will result in an increase of 100% of the original fine, not to exceed \$100.
- An appeal process will ensure the due process of any person cited in accordance with District Policy. Appeals may be submitted in writing or online within 21 calendar days of issuance of the citation. The Appeals Committee shall consist of one representative from each of the bargaining units, one District representative, and one student representative.
- Students who fail to pay their fine will have a hold placed on their student account.
- Employees who fail to pay their fine will be reported to their Vice President for further action.

The San Joaquin Delta College Police Department may issue a citation to a person for violating Government Code 7596, 7597, and 7598 "Smoking in Public Buildings." The citation issued in violation of a "Smoking in Public Buildings" section will be

**POLICIES, PROCEDURES, AND STANDARDS**

sent through the San Joaquin County Court adjudication process. Government Code 7597 (a) No public employee or member of the public shall smoke any tobacco product inside a public building, or in an outdoor area within 20 feet of a main exit, entrance, or operable window of a public building or in a passenger vehicle (as defined by section 465 of the Vehicle Code) owned by the state. "Smoking" means engaging in an act that generates smoke and/or vapors, such as possessing a lighted pipe; a lighted hookah pipe; operating an electronic cigarette; a lighted cigar; a lighted cigarette of any kind; or lighting or igniting a pipe, a hookah pipe, a cigar, or a cigarette of any kind.  
(AP 3570, 12/17/13)

**Title IX, Sexual Harassment, and Non-Discrimination Notice**

San Joaquin Delta Community College District (hereinafter, "District") adheres to all federal, state, and local civil rights laws prohibiting discrimination, harassment, and retaliation in employment and education. The District does not discriminate in its admissions practice, in its employment practices, or in its educational programs or activities on the basis of sex/gender (including pregnancy, childbirth, and breastfeeding), gender identity, gender expression, sexual orientation, and pregnancy or parenting status. Sexual harassment, sexual assault, dating and domestic violence, and stalking are forms of sex discrimination, which are prohibited under Title IX and by District policy. In addition, the Fair Employment and Housing Act ("FEHA"), Title VII of the Civil Rights Act of 1964, and Title 5 of the California Code of Regulations prohibit discrimination and harassment in employment or the educational program on the basis of the protected classifications listed above. The District also prohibits retaliation against any person opposing discrimination or harassment or participating in any discrimination or harassment investigation or complaint process internal or external to the institution.

As a recipient of federal financial assistance for education activities, the District is required by Title IX of the Education Amendments of 1972 to ensure that all of its education programs and activities do not discriminate on the basis of sex/gender. Sex includes sex, sex stereotypes, gender identity, gender expression, sexual orientation, and pregnancy or parenting status. Sexual harassment, sexual assault, dating and domestic violence, and stalking are forms of sex discrimination, which are prohibited under Title IX and by District policy. In addition, the Fair Employment and Housing Act ("FEHA"), Title VII of the Civil Rights Act of 1964, and Title 5 of the California Code of Regulations prohibit discrimination and harassment in employment or the educational program on the basis of the protected classifications listed above. The District also prohibits retaliation against any person opposing discrimination or harassment or participating in any discrimination or harassment investigation or complaint process internal or external to the institution.

Any member of the campus community, guest, or visitor who acts to deny, deprive, or limit the educational, employment, or social access, opportunities and/or benefits of any member of the District community on the basis of any protected classification is in violation of District Policies and Procedures including BP/AP 3410, BP/AP 3430, BP/AP 3433, AP 3434, and AP 3435.

Any person may report sex discrimination or harassment (whether or not the person reporting is the person alleged to have experienced the conduct), and/or retaliation in violation of District policy in person, by mail, by telephone, by video, or by email, using the contact information listed for the Title IX Coordinator and Title IX Co-Coordinators (below). A report may be made at any time (including during non-business hours) by email. Questions regarding Title IX, including its application and/or concerns about noncompliance, should be directed to the Title IX Coordinator or Title IX Co-Coordinators. For a complete copy of the policy or for more information, please contact the Title IX Coordinator or Title IX Co-Coordinators below.

Any person may report discrimination or harassment on the basis of any other protected classification, and/or retaliation in violation of District policy through the same means mentioned above to the individual with oversight for all non-discrimination or harassment, who is also the Title IX Coordinator. Please direct any questions regarding the FEHA, Title VII, or Title 5 and complaints filed pursuant to those sections to the Title IX Coordinator or the Vice President of Human Resources and Risk Management at (209) 954-5059.

**Individual with Oversight for All Non-Discrimination or Harassment Including Title IX Coordinator:**

Dana Kosaka, Director of Human Resources and Risk Management Office of Human Resources 5151 Pacific Avenue Administration Building, Room 202 Stockton, CA 95207 (209) 954-5048 dana.kosaka@deltacollege.edu	<b>Title IX Co-Coordinator:</b> Dr. Lonita Cordova, Assistant Superintendent/Vice President of Student Services Student Services Division Office Administration Building, Room 107 (209) 954-5632 lonita.cordova@deltacollege.edu	<b>Title IX Co-Coordinator:</b> Tony Espinoza, Athletic Director Budd Building, Room 119 (209) 954-5176 tony.espinoza@deltacollege.edu
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**Course Credit**

**Course Audit and Auditing Fees**

Course audit is defined as the enrollment of a student in a course without award or notation the student's transcript of credit, units attempted, grade, or grade points. Students may be permitted to audit classes at San Joaquin Delta College under the following circumstances and using the following procedures. It is the policy of San Joaquin Delta College that students be

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permitted to audit courses only in order to address specific or unusual educational circumstances. Therefore, a course may be audited only upon recommendation of a college counselor and with the approval of the instructor.

- Students auditing a course are expected to complete the same course work and examination procedures as other students enrolled in the course for credit or a grade.
- No grade, credit, units, units attempted or grade points will be awarded to the student for a course being audited. Record of enrollment to audit the course will be noted on the official transcript.
- A specific course may be audited by a student only one time.
- A student may not change an enrollment to audit a course to an enrollment for credit or a grade nor change an enrollment for credit or grade to an enrollment for audit.
- Enrollment to audit a course may only be made during the late registration period and only on a space available basis.
- The fee for auditing a course shall be \$15.00 per unit. Students enrolled in classes to receive credit for ten (10) or more semester credit units shall not be charged this fee to audit three or fewer units per semester.
- In accord with the provisions of Education Code §76370, enrollment of students to audit courses will not be claimed by the college as enrollment for apportionment attendance purposes.  
(BP 4070, 4/23/19)

Information regarding course audit may be obtained in the Office of Admissions and Records.

### Course Repetition

Students may petition for approval to repeat up to a total of four (4) courses in the following courses:

- Courses for which repetition is necessary to meet the major requirements of California State University (CSU) or University of California (UC), or other post-secondary institutions for completion of a bachelor's degree;
- Intercollegiate athletics courses; and,
- Intercollegiate academic or vocational competition courses. Such courses may be repeated no more than four times for semester courses or six times for quarter courses.

Students may enroll in activity courses in physical education, visual arts, or performing arts. Such courses may not be repeated for more than four (4) courses. This limit applies even if the student receives a substandard grade or "W" during one or more enrollment or if a student petitions for repetition due to extenuating circumstances.

When a student repeats a course designated as repeatable to alleviate substandard academic work (a "D," "F," "FW," "NP," or "NC"), the previous grade and credit shall be disregarded in the computation of grade point averages. No more than two substandard grades may be alleviated.

Courses that are repeated shall be recorded on the student's permanent academic record using an appropriate symbol.

Annotating the permanent academic record shall be done in a manner that all work remains legible, insuring a true and complete academic history.

Nothing can conflict with Education Code Section 76224 pertaining to the finality of grades assigned by instructors, or with Title IX or District procedures relating to retention and destruction of records.

If the District is claiming apportionment under Title IX Section 58161, students may petition for approval to repeat up to a total of four (4) courses designated as repeatable, including courses in which substandard grades (less than "C," and including "FW," "NP," or "NC") were awarded in one or more enrollments. If the student is repeating the course to alleviate substandard academic work, the District may disregard the first two substandard grades if the student repeats the class two or more times. Students may also petition for approval to repeat up to a total of four (4) active participatory credit courses that are related in content, in physical education, visual arts, or performing acts, including courses in which substandard grades (less than "C," and including "FW," "NP," or "NC") were awarded in one or more enrollments.

- A list of the specific courses or categories of courses, if any, which are exempt from course repetition;
- Requirements to repeat courses after a significant amount of time 36 months;
- Provisions for repeating a course taken at another accredited college or university for which substandard academic performance is recorded;
- Circumstances under which students may repeat courses in which a "C" or better grade was earned. Such course repetition requires a finding that extenuating or extraordinary circumstances exist which justify such repetition. Extraordinary circumstances are those which would justify the District providing the student with a refund. Extenuating circumstances are verified cases of accidents, illness, or other circumstances beyond the control of the student. Grades awarded for courses repeated under these provisions may be included when calculating a student's grade point average;
- Limits on the number of times students may repeat a course;

## **POLICIES, PROCEDURES, AND STANDARDS**

- Students may not enroll in an available course more than three times, except in limited circumstances, described below. Enrollments include any combination of withdrawals and repetitions;
- Students may repeat an available cooperative work experience course pursuant to District policy any number of times as long as they do not exceed the limits on the number of units of cooperative work experience set forth in Title 5 Section 55253(a);
- Students with disabilities can repeat a special class for students with disabilities any number of times when an individualized determination verifies that such repetition is required as a disability-related accommodation for the student for one of the reasons specified in Title 5 Section 56029;
- Students may repeat a course any number of times where it is required for a student to meet a legally mandated training requirement as a condition of continued paid or volunteer employment, regardless of whether the student recorded substandard work. The student must submit documentation showing that the course is a legally mandated training requirement and must submit documentation to the Office of Admissions and Records;
- Students may petition to repeat a course needed for employment or licensing because of a significant change in the industry or licensure standards. Students may take these courses any number of times. The student must submit documentation showing that the course is needed for employment or licensing and must submit documentation to the Office of Admissions and Records.

### **Variable Unit Open Entry/Open Exit Course**

A student may petition the Director of Admissions and Records for permission to enroll in a course offered for variable units on an open-entry/open-exit basis as many times as necessary to complete one time the entire curriculum of the course described in the course outline of record. However, the student may not repeat any portion of the curriculum of the course unless:

- The course is required for legally mandated training;
- The course is a special class for students with disabilities which the student needs to repeat;
  - When continuing success of the student in other general and/or special classes is dependent on additional repetitions of a specific special class;
  - When additional repetitions of a specific special class are essential to completing a student's preparation for enrollment into other regular or special classes; or
  - When the student has a student educational contract which involves a goal other than completion of the special class in question and repetition of the course will further achievement of that goal.
- Repetition of the course to retake a portion of the curriculum is justified by extenuating circumstances, or;
- The student wishes to repeat the course to alleviate substandard work recorded for a portion of the curriculum as authorized above.

### **Extenuating Circumstances**

A student may repeat a course only if:

- the repetition is expressly authorized by another provision of this article; or
- the student files a petition, and the Director of Admissions and Records grants written approval of the petition based on a finding that the student's previous grade (whether substandard or passing) was, at least in part, the result of extenuating circumstances. Extenuating circumstances are verified cases of accidents, illness, or other circumstances beyond the control of the student. When course repetition is approved pursuant to this subdivision, the previous grade and credit will be disregarded in computing the student's GPA each time the course is repeated.

### **General and Occupational Work Experience (As available)**

A student may earn up to a total of 16 semester units, subject to the following limitations.

- A maximum of six semester units may be earned during one enrollment period in general work experience education;
- A maximum of eight semester units may be earned during one enrollment period in occupational work experience education;
- When an occupational work experience course is repeated pursuant to that section, the grade received each time shall be included for purposes of calculating the student's grade point average.

### **Special Class for Student with Disability**

A student with a disability may petition the Director of Student Support Services to repeat a special class for students with disabilities any number of times based on an individualized determination that such repetition is required as a disability-related provided that:

- When continuing success of the student in other general and/or special classes is dependent on additional repetitions of a specific special class;
- When additional repetitions of a specific special class are essential to completing a student's preparation for enrollment into other regular or special classes; or

- When the student has a student educational contract which involves a goal other than completion of the special class in question and repetition of the course will further achievement of that goal.

### **Legally Mandated Courses**

A student may petition the Director of Admissions and Records to repeat a course determined to be legally mandated regardless of whether substandard academic work has been recorded. Such courses may be repeated for credit any number of times provided that the student certifies or documents that course repetition is legally mandated.

### **Significant Change in Industry or Licensure Standards**

A student may petition the Director of Admissions and Records to repeat a course as a result of a significant change in industry or licensure standards such that repetition of the course is necessary for employment or licensure. Such courses may be repeated for credit any number of times provided that the student certifies or documents that there has been a significant change in industry or licensure standards necessitating course repetition.

(AP 4220.1, 3/7/19)

### **Course Repetition - Significant Lapse of Time**

Students may be permitted or required to repeat courses in which a "C" or better grade was earned where there was a significant lapse of time of no less than 6 years since the grade was obtained and:

- The District has established a recency prerequisite for a course or program; or
- An institution of higher education to which a student wishes to transfer has established a recency requirement that the student cannot satisfy without repeating the course.

When a student needs to repeat an active participatory experience course in physical education, or visual or performing arts, or that is related in content due to a significant lapse of time, each repetition attempt will be counted toward the established repetition limits. However, if a student has already exhausted the number of permitted repetitions, then an additional repetition due to significant lapse of time may be permitted or required by the District.

When a course is repeated due to a significant lapse of time, the District shall disregard the previous grade and credit when computing a student's grade point average.

(AP 4228, 5/2/19)

### **Course Substitution**

Course substitution for associate degrees for transfer is limited to students transferring from another accredited institution that has an aligned degree in the same discipline. In this circumstance, the student may petition to use courses taken at the sending institution to satisfy the District's degree requirements. A course that does not appear on the District list but satisfies the same aligned degree at the sending institution may be substituted.

(AP 4042, 2/14/12)

### **Credit for Prior Learning**

Credit for Prior Learning may be obtained, through petition, with the approval and assessment by appropriate discipline faculty, and utilizing one of the following methods:

- Achievement of a score of three (3) or higher on an Advanced Placement (AP) examination administered by the College Entrance Examination Board;
- Achievement of a score that qualifies for credit by College Level Examination Program;
- Achievement of a score that qualifies for credit by the International Baccalaureate examination;
- Credit by satisfactory completion of an examination produced and administered by appropriate discipline faculty in lieu of completion of a course listed in the college catalog;
- Achievement of an examination administered by other agencies and approved by the appropriate discipline faculty;
- Other assessments approved and assessed by appropriate discipline faculty of the college, which include evaluation of Joint Services Transcripts, evaluation of student-created portfolios, evaluation of industry-recognized documentation (i.e. an industry recognized credential), and standardized exams.

Determination of Eligibility to Receive Credit for Prior Learning:

- Conditions for a currently enrolled student: The student must be in good standing.
- Conditions for a non-enrolled student: A non-enrolled student may submit a Credit for Prior Learning Petition, with the required fee for evaluation. After the petition is assessed, the non-enrolled student petitioner will be informed of the available award of credit being offered. In such cases, Credit for Prior Learning will only be granted and recorded after the petitioner enrolls as a student at San Joaquin Delta College.
- The course is listed in the college catalog.

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- Credits acquired by examination are not applicable to meeting of such unit load requirements as Selective Service deferment, Veteran's or Social Security benefits.
- The student may not have previously enrolled in the course at San Joaquin Delta College, for which credit for prior learning is being sought.

Credit may be awarded for prior experience or prior learning, by means of a petition for Credit for Prior Learning, only for individually identified courses with subject matter similar to that of the individual's prior learning, and only for a course listed in the catalog of San Joaquin Delta College.

Award of credit may be made to electives for students who do not require additional general education or program credits to meet their goals.

The student will indicate on the petition the method to be used to determine Credit for Prior Learning and the type of grade being sought (P/NP, A-F). Grading shall be according to the regular Grading system approved by the governing board pursuant to section 55023, except the students shall be offered a "pass-no pass" option if that option is ordinarily available for the course.

Units for which credit is given pursuant to the provisions of this procedure shall not be counted in determining the 12 semester hours of credit in residence required for an associate degree.

The nature and content of the assessment shall be determined solely by faculty in the discipline who normally teach the course for which credit is to be granted. (Title 5 § 55050, c) in accordance with policies and procedures approved by the curriculum committee established pursuant to Administrative Procedure 4020.

The student's academic record will clearly indicate that the credit was earned by assessment by credit for prior learning.

Credits acquired by Credit for Prior Learning shall not be counted in determining the 12 semester hours of credit in residence required for an Associate degree.

Pursuant to Education Code Section 78212, any student upon completion of their education plan who is a veteran or an active-duty member of the armed forces, holds industry-recognized credentials, or requests credit for a course based on their prior learning shall be referred to the college's appropriate discipline faculty for assessment of possible credit for prior learning.

Students interested in Credit for Prior Learning using Joint Service Transcripts must provide these transcripts to the Office of Admission and Records prior to the submission of their Credit for Prior Learning Petition. These transcripts may include Joint Services Transcripts (JST), Sailor/Marine American Council on Education Registry Transcript (SMART), Army and American Council on Education Registry Transcript Service (AARTS), Community College of the Air Force (CCAF), Coast Guard Institute (CGI), DANTES/USAFI, Defense Language Institute Foreign Language Transcripts (DLIFLC), Defense Manpower Data Center (DMDC), DLPT Examinee Results, DA Form 330 Language Proficiency Questionnaire, or verified copies of DD214 or DD295 military records. Credit shall be determined as recommended by the American Council on Education (ACE) Directory and approved by the appropriate discipline faculty of San Joaquin Delta College. (It should be noted that San Joaquin Delta College grants experience credit of three elective units for submission of any DD214, 295, or other military transcript. Additionally, active-duty military personnel and U.S. military veterans may satisfy the Self-Development general education (GE) requirement from San Joaquin Delta College's GE pattern (Plan A) or the California State University GE-Breath pattern (Plan B) through submission of a military transcript.)

In all cases the student may choose to accept or decline the award of credit by prior learning or to appeal, by petition, decisions related to the award of credit, pursuant to Title 5 Sections 55021 and 55025.

**Credit for Prior Learning Fees:** A fee of no more than the current per unit enrollment fee will be paid by the student prior to the Credit for Prior Learning being added to the student's academic record.

**Professor Participation in Credit for Prior Learning:** The appropriate discipline faculty participate in the assessment of credit for prior learning by choice.

**Professor Compensation:** The appropriate discipline faculty will be paid according to the negotiated amount as defined in the (SJDCTA) San Joaquin Delta College Teachers Association Collective Bargaining Agreement. (AP 4235, 11/12/24)

See AP 4235.1 Credit for Advanced Placement Credit, AP 4235.2 International Baccalaureate Credit, and AP 4235.3 College-Level Examination Program Credit.

## **Distance Education**

### **Definition of Distance Education**

- Distance Education: Instruction in which the instructor and student are separated by distance and interact through the assistance of communication technology.
- Online Courses: The predominant means of distance education delivery. Students are not required to physically visit the campus.
- Hybrid Courses: Instruction in which the required number of instructional hours are divided between online coursework and mandated on-ground instructional activities. Students are required to physically visit the campus.

For clarification, web-enhanced courses are face-to-face courses that require the student to access the internet and/or a learning management system as part of the coursework, but online activities do not replace scheduled classroom seat time. Therefore, web-enhanced courses do not constitute distance education.

### **Course Quality**

The instructor serves as both a provider of instruction and as a facilitator of student learning. The instructor will meet the qualifications established by the Professional Development Center (PDC).

All courses to be taught utilizing distance education shall contain the same content, rigor, and course quality as traditional courses as outlined in the policies for the SJDC Curriculum Committee curriculum approval process. As such, all distance education is subject to the general requirements of AP 4020, Curriculum Development Process (Credit, Noncredit, and Not-for-Credit), et al, and must be offered in compliance with the District Comprehensive Master Plan.

As distinct from correspondence courses, all distance education courses are required to maintain regular substantive interaction between the professor and students, in accordance with Title V. Regular substantive interaction is defined as engaging students in teaching, learning, and assessment, consistent with the content under discussion.

### **Types of Interactions**

Instructors will use a variety of means to initiate substantive and effective interactions with students, including at least two from among the following:

- Providing information or responding to questions about the content of a course or competency;
- Assessing and providing feedback on a student's coursework, separate from or in addition to an automated grading system;
- Facilitating group discussions regarding the content of a course or competency;
- Providing direct instruction, such as instructor-prepared synchronous or recorded lectures, or introductions to educational resources such as publisher-created materials or Open Educational Resources;
- Other instructional activities approved by the District's accrediting institution;
- This contact shall be distributed in a manner that ensures regular instructor/student contact is maintained over the course of a week and the duration of the term and should occur as often as is appropriate for the course section. The opportunities for instructor/student interactions are to be regular predictable and scheduled;
- Instructors are expected to monitor the students' academic engagement and success and promptly and proactively engage in substantive interactions with the students when needed, on the basis of such monitoring, or upon request by the student;
- Interaction among Students. The frequency of student-to-student contact in a distance education course will be at least the same as would be established in its face-to-face counterpart.

Documentation of distance education specifications will be reviewed whenever the course comes up for regular curricular review. The Distance Education Committee Chair and designees will participate in the curricular review of distance education courses.

### **District Responsibilities**

In order to assure that distance education is characterized by the same quality, integrity, effectiveness, and concern for student learning that apply to more traditional modes of instruction, the District shall integrate distance education into the normal program review process in all areas of the College with a focus of maintaining services to students in distance education courses, including, but not limited to:

- Library and Learning Resources
- College Support Services for Students
- Facilities and Finance

## **POLICIES, PROCEDURES, AND STANDARDS**

### **Federal Accessibility Guidelines**

Whether students with disabilities are enrolled in them or not, the College shall abide by federal accessibility guidelines in accordance with Government Code Section 508 and the Americans with Disabilities Act for all distance education courses.

### **Distance Education Faculty Training**

Regardless of the Learning Management System (LMS) used, distance education faculty must successfully complete approved training for online instructors through the Professional Development Center before teaching online. Approved training will include best practices in regular effective contact, accessibility, and effective online course design and other aspects.

### **Verification of Student Identity**

In accordance with Title 34 CFR § 602.17, the District requires verification of the identity of a student who participates in class or coursework by using the following methods:

- A secure login and pass code;
- Proctored examinations; or
- New or other technologies and practices that are effective in verifying student identity; and,
- Authentication that the online student who registers is the same as the participant;
- Makes clear in writing that the District uses processes that protect student privacy and notifies students of any projected additional charges associated with the verification of student identity at the time of registration, enrollment, or the catalog.

### **Learning Management System (LMS)**

The primary LMS used by the District cannot be changed without consulting the Distance Education Committee.

The primary LMS adopted by the District must be used as the initial access point (student portal) for all distance education courses and programs. This does not preclude the use of textbook publisher material so long as access by authorized administrative personnel is made available.

### **Attendance and Participation**

Students in distance education courses are required to attend class and participate just as if they were in a face-to-face course. Per federal guidelines, attendance in an online course is determined by participation in completing course activities in the LMS such as assignments, assessments, posting in discussion forums, etc. Simply logging into the course does not count as attendance.

To determine initial attendance for online courses, instructors must have a check-in assignment, due the first week of the course, that students must complete in order to remain enrolled. Students must be informed of this check-in assignment.

For online courses, instructors must establish an excessive absenteeism policy. "Excessive absenteeism" in an online course is defined as not participating in the course for an adequate amount of time to successfully pass the course or adequately complete the course. At this point, instructors may drop a student from the course. Participation in the course involves completing course activities - simply logging in does not count as participation.

### **Measuring the Last Date of Attendance in Distance Education Course**

Effective July 2011, the U.S. Department of Education has defined "Last Date of Attendance" as an academically-related activity that is documented. Title 34 CFR § 668.22(c)(3)(i).

For distance education courses, an "academically-related activity" includes but is not limited to: a quiz, test or assignment submission, meaningful participation in an online discussion, and student initiation of contact with the instructor to ask a course-related question via email or chat. Title 34 C.F.R. § 668.22(c)(3)(ii) The Last Date of Attendance is not defined as the last date of course log in and is not the same as the drop date.

For the purposes of the procedure, information on the matter can be found in the current DE Faculty Handbook. (AP 4110, 12/13/22)

## **Finals**

1. Early or Late Finals  
Individual final examinations, before or after finals week, may be administered to those students who can demonstrate a need due to extenuating circumstances. The final decision on this matter shall rest with the individual professor. No final may be given after the last day of a semester unless an incomplete grade is given. No final may be given before the last day to drop the class with a "W," as outlined in Administrative Procedure 5075, Course Registration, Adds and Drops, "Withdrawal from Graded Classes."

2. Other Examinations Prior to and During Finals
  - a. Under normal circumstances, no evaluations, quizzes, or examinations may be given in full-term classes during the three college calendar days prior to the first day of finals. Professors may claim exemption to this prohibition when compliance would substantially interfere with instruction or evaluation of students. Professors claiming exemption must, at the beginning of the semester, notify the appropriate division chair or director and must include notice of the exemption in the course materials given to students at the start of the semester.
  - b. No evaluations, quizzes, or examinations, except the final examination, may be given in full-term classes during the days scheduled for final examinations.
3. Finals Exemption

Exemptions to Board Policy 4200, Finals may be authorized only by the Assistant Superintendent/Vice President for Instruction.
4. Final Examination Schedule
  - a. All classes are to meet during the final examination week at the time designated on the Final Examination Schedule, except laboratory professors may choose any of the meeting hours of their class for examination.
  - b. Courses offered in the fully-online and hybrid format must offer final exams during the final examination week. Exams may be timed as appropriately determined by the instructor; however, a minimum window of two business days, 48 hours, should be available for students to access the exam. If an online course requires an in-person final, whether on-campus or in a proctored setting, the exam must take place during the final examination week.
  - c. For face-to-face and hybrid courses that are offered in the online format due to campus closures, the exam window must include the originally scheduled face-to-face final time.  
(AP 4200, 1/28/21)

## **Instructional Materials Fees**

Students may be required to provide instructional materials necessary for a credit or non-credit course. Such materials shall be of continuing value to a student outside of the classroom setting and shall not be solely or exclusively available from the District.

Required instructional materials shall not include materials used or designed primarily for administrative purposes, class management, course management, or supervision.

Where instructional materials are available to a student temporarily through a license or access fee, the student shall be provided options at the time of purchase to maintain full access to the instructional materials for varying periods of time ranging from the length of the class up to at least two years. The terms of the license or access fee shall be provided to the student in a clear and understandable manner prior to purchase.

Instructors shall take reasonable steps to minimize the cost and ensure the necessity of instructional materials.  
(AP 5031, 4/18/19)

## **Grading and Academic Standing**

### **Academic Renewal**

The purpose of academic renewal is to disregard students' previously recorded substandard academic performance when such work does not reflect their current demonstrated ability. Academic renewal encourages students to continue efforts toward their educational objectives. Therefore, academic renewal allows students the benefits of their current level of ability and performance and does not permanently penalize them for poor performance in the past.

Students who wish to request academic renewal must petition the Director of Admissions and Records. Academic renewal will be applied only under the following conditions and with the following limitations:

- Academic renewal may be requested for up to five courses of previous unsatisfactory course work in which grades of "D," "F," or "NC" or "NP" have been recorded. The course work for which the renewal is requested must be identified in the application;
- Prior to the application for academic renewal, a period of at least one year must have elapsed subsequent to the semesters for which renewal is requested, during which period the student must have completed at least 12 units at Delta College (or another regionally accredited college,) with a grade point average of 2.0;
- Academic renewal is available only for courses taken at San Joaquin Delta College;
- Academic renewal may be granted for a total of five courses only;

## **POLICIES, PROCEDURES, AND STANDARDS**

- Academic renewal is irreversible;
- Courses used for awarding of a degree or certificate are not eligible for academic renewal unless another equivalent course replaces the renewed course on the evaluation.

It is highly recommended that currently enrolled students discuss educational objectives with a counselor and develop an appropriate Student Education Plan.

Academic renewal granted by San Joaquin Delta College does not guarantee that special programs or other institutions will approve or honor such actions. The determination will be made by the respective transfer institutions.

Effect of Academic Renewal on the Academic Record:

- When a student is granted academic renewal for a course, the student's permanent academic record shall be annotated in such a manner that all work remains legible, ensuring a complete and true record of all academic work;
- Cumulative grade point average on students' permanent record excludes all course work that has been approved for academic renewal;
- No course work approved for academic renewal will apply toward graduation, certificate, or AA degree;
- Grade point average computation for graduation with honors and other awards uses all work including course work approved for academic renewal.  
(AP 4240, 6/12/14)

## **Dismissal and Reinstatement After Dismissal**

### **1. Standards for Dismissal**

- a. Students who remain on either Academic or Progress Probation for three (3) consecutive semesters of attendance (excluding summer intersession) shall be dismissed from the College for one (1) semester (excluding summer intersession).
- b. Notification of Dismissal Status: Students who are dismissed shall be notified of their status in writing by the Office of Admissions and Records. The notification will outline the requirements necessary for appealing dismissal, and reinstatement after dismissal.
- c. Fall Dismissals: Students enroll for spring semester before the fall grades are posted. Therefore, dismissals based upon fall semester grades shall be effective for the subsequent fall Semester. Notification will be sent no later than the end of February informing students of their dismissal status.

### **2. Exemption from Dismissal**

Students on Academic or Progress Probation who are subject to dismissal shall be exempt from dismissal if they had a break in enrollment of at least one (1) semester (excluding summer intersession), during the three (3) consecutive semesters considered for dismissal. A student exempted from dismissal will not be subject to dismissal again until the student has completed three (3) consecutive semesters on probation, subsequent to the break in enrollment.

Students on Academic or Progress Probation who are subject to dismissal shall be exempt from dismissal if:

- a. Academic Probation: Any of the three probationary semesters are completed with a term GPA of 2.0 or above.
- b. Progress Probation: Any of the three probationary semesters are completed without entries of "W," "I," and "NP."

### **3. Dismissal Appeals**

A student has the right to appeal a dismissal if the student believes there are extenuating circumstances warranting an exception to the dismissal action. The granting of a dismissal appeal is based on the review of the probationary semesters to determine if these semesters do not reflect the student's usual level of performance due to accident, illness, or other circumstances beyond the control of the student. A Counselor shall review all petitions.

- a. A student must file the appeal petition with supporting documentation. It is the student's responsibility to write a clear statement explaining what extenuating circumstances existed, why continued enrollment should be granted, and provide strong evidence supporting the student's reasons;
- b. The petition must be filed within thirty (30) days after the dismissal notification was sent. If the student fails to file an appeal petition within thirty (30) days, the student waives all future rights to appeal the dismissal action;
- c. The student will remain on dismissal during the appeals process. The decision will be communicated to the student within fifteen (15) days by a Counselor;
- d. If the dismissal appeal is granted, the student will be reinstated for one (1) additional semester and continues on probationary status until the student meets the required standards to be taken off probation;
- e. If the student's dismissal appeal is denied, the student may file an extended appeal with the Director of Admissions and Records within fifteen (15) days of the denial notification. The student will remain on dismissal during this final consideration. The final decision of the Director of Admissions and Records will be communicated to the student within fifteen (15) days following receipt of the student's extended appeal;

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- f. If the extended dismissal appeal is granted, the student will be reinstated per item 4 and the Standards of Reinstatement as defined in item IV of this procedure.
4. Standards for Reinstatement After Dismissal
  - a. Students must meet the following conditions for reinstatement:
    - Meet with a Counselor before reinstatement to discuss and develop a prescriptive student education plan, success strategies, and the use of available College and community support services;
    - During the first semester of reinstatement, course enrollment is limited to a maximum of twelve (12) semester units.
  - b. Notification of Reinstatement: A Counselor for whom the student is meeting will notify the student.
  - c. Reinstatement after Academic Dismissal: The student must complete the semester of reinstatement with a term GPA of at least a 2.0 or the student will be dismissed. Students will be notified of their dismissal via their Delta College email account.
  - d. Reinstatement after Progress Dismissal: The student must complete the semester of reinstatement without grades of "W," "I," and "NP" or the student will be dismissed. Students will be notified of their dismissal via their Delta College email account.  
(AP 4250.1, 6/18/24)

### Grade Changes and Adjustment of Fees

1. The instructor of a course shall determine the grade to be awarded to each student. The determination of the student's grade by the instructor is final in the absence of mistake, fraud, bad faith, or incompetency.
2. Students who believe that an error was made in a grade entered on their permanent record may petition the Director of Admissions and Records to correct the record. Petitions for a grade change must be filed no later than one (1) year after the term for which the grade was posted and will be made only after the assigning instructor determines the validity of such a petition and issues a written authorization for the grade change. Grades will not be changed for courses completed more than one (1) year prior to the date of a petition except as noted in paragraph "C" below.
3. In cases of alleged instructor fraud, bad faith, or incompetence, the final determination regarding the removal or change of a grade or adjustment of fees will be made by the Superintendent/President or designee as set forth by Administrative Procedure 5530, (Student Rights and Grievances).
4. Only one grade change petition per course is allowed.
5. Students who believe that an error was made in enrollment, non-resident, or class fees charged against their student account based on last date of attendance may petition the Director of Admissions and Records to correct the record. Petitions for a removal of fees must be filed no later than one (1) year after the term for which the fees were charged and will only be made after the instructor of record determines the validity of such a petition based on last date of attendance and issues a written authorization for the correction of the drop date.
6. Fees will not be changed for courses completed more than one (1) year prior to the date of a petition except as noted in paragraph "3" above.
7. Only one request for adjustment of fees petition per course is allowed.
8. The District will consider petitions for documented special circumstances for 1-1/2 (one and one half) years.  
(AP 4231, 5/31/11)

### Grading Symbols

Academic Record Symbols and Grade Point Average\*:

A+	<b>Outstanding Work</b>	4
A	<b>Excellent</b>	4
A-	<b>Exemplary Work</b>	3.7
B+	<b>Very Good</b>	3.3
B	<b>Good</b>	3
B-	<b>Very Satisfactory</b>	2.7
C+	<b>Better than Satisfactory Work</b>	2.3
C	<b>Satisfactory</b>	2
D	<b>Less than Satisfactory</b>	1
F	<b>Failing</b>	0
FW	<b>Non-Participation, Failure to Withdraw</b> Student ceased participating in the class and failed to withdraw in a timely manner. The FW symbol may be awarded to students who cease participating in a course sometime after the last day to officially withdraw from the course without having achieved a final passing grade, and when students have not received District authorization to withdraw from the course for extenuating circumstances. The "FW" symbol may not be used if a student has qualified for and been granted	0.0

## POLICIES, PROCEDURES, AND STANDARDS

	military withdrawal. In line with Title 5 guidelines (section 55758), grade points awarded for an "FW" shall equal 0.	
P	<b>Passing</b> (At least satisfactory - units awarded not counted in GPA. Has the same meaning as "CR" as that symbol was defined prior to August 14, 2008.)	
NP	<b>No Pass</b> (Less than satisfactory or failing - units not counted in GPA. NP has the same meaning as "NC" as that symbol was defined prior to August 2008.)	
I	<b>Incomplete</b> Incomplete academic work for unforeseeable, emergency, and justifiable reasons at the end of the term may result in an "I" symbol being entered in the student's record. The condition for removal of the "I" shall be stated by the professor in a written record. This record shall contain the conditions for removal of the "I" and the grade assigned in lieu of its removal. This record must be given to the student with a copy on file with the Office of Admissions and Records until the "I" is made up or the time limit has passed. A final grade shall be assigned when the work stipulated has been completed and evaluated, or when the time limit for completing the work has passed. The "I" may be made up no later than one year following the end of the term in which it was assigned. The "I" symbol shall not be used in calculating units attempted nor for grade points. The student, under extenuating circumstances, may request an extension of the time limit for making up the "I" by submitting a General Petition for consideration.	
IP	<b>In Progress</b> The "IP" symbol shall be used only in those courses which extend beyond the normal end of an academic term. It indicates that work is "in progress," but that assignment of an evaluative symbol (grade) must await its completion. The "IP" symbol shall remain on the student's permanent record in order to satisfy enrollment documentation. The appropriate evaluative symbol (grade) and unit credit shall be assigned and appear on the student's permanent record for the term in which the course is completed. The "IP" shall not be used in calculating grade point averages. If a student enrolled in an "open-entry, open-exit" course is assigned an "IP" at the end of an attendance period and does not re-enroll in that course during the subsequent attendance period, the appropriate faculty will assign an evaluative symbol (grade) in accordance with subsection "A" of this policy to be recorded on the student's permanent record for the course.	
RD	<b>Report Delayed</b> The "RD" symbol may be assigned only by the Assistant Superintendent/Vice President of Student Services. It is to be used when there is a delay in reporting the grade of a student due to circumstances beyond the control of the student. It is a temporary notation to be replaced by a permanent symbol as soon as possible. "RD" shall not be used in calculating grade point averages.	
X	<b>Credit by Examination</b> The "X" shall be added to the evaluative symbol recorded when a course is challenged by examination.	
W	<b>Withdrawal (Authorized)</b> Withdrawal from a class or classes shall be authorized by conditions set forth in AP 5075, Course, Registration Adds, and Drops. Notations shall be prescribed on the academic record of the student who withdraws within the guidelines of AP 5075, Course, Registration Adds, and Drops.	
EW	<b>Excused Withdrawal</b> Withdrawal from a course(s) without penalty due to extenuating circumstances. The non-evaluative symbol is excluded from progress probation and dismissal calculations. An EW is acceptable when a student withdraws from a course(s) due to reasons beyond their control, which include but are limited to the following: <ul style="list-style-type: none"> <li>• Job transfer outside the geographical region;</li> <li>• Illness in the family where the student is the primary caregiver;</li> <li>• An incarcerated student in a California State Prison or County Jail is released from custody or involuntarily transferred before the end of the term (In the case of an incarcerated student, an excused withdrawal cannot be applied if the failure to complete the course(s) was the result of a student's behavioral violation or if the student requested and was granted a mid-semester transfer);</li> <li>• The student is the subject of an immigration action;</li> <li>• Death of an immediate family member;</li> <li>• Chronic or acute illness;</li> <li>• Verifiable accidents; or</li> <li>• Natural disasters directly affecting the student.</li> </ul>	
MW	<b>Military Withdrawal</b> Withdrawal from a class or classes due to a call to active service in a United States military unit	

	set forth in AP 5075, Course Registration, Adds and Drops.	
	Notations shall be prescribed on the academic record of the student who withdraws for military reasons within the guidelines of AP 5075, Course Registration, Adds and Drops.	

\*Non-degree applicable courses are not included in the GPA.  
(AP 4230, 05/16/23)

## **Pass/No Pass Grading Option**

Some credit courses may be approved by the Curriculum Committee and listed in the College Catalog and Schedule of Classes as offered with a Pass/No Pass option. Under the Pass/No Pass option, a student enrolled in a course that normally awards traditional grades as defined in Administrative Procedure (AP) 4230, Grading Symbols, may elect to receive only a grade of either "Pass/No Pass." The grade of "Pass" will be given if the student's work is judged to be equivalent to the grade of A, B, or C, and the grade of "No Pass" if it is judged equivalent to a failing grade for the course.

No more than 15 units of Pass/No Pass may apply to the total units required for a degree. A course taken using the Pass/No Pass grading option may not be applied to satisfy an academic major requirement.

Students desiring to apply the Pass/No Pass grading option to a course are required to declare commitment to the Pass/No Pass status to the instructor prior to completion of thirty percent of the scheduled class meeting for the term. Once elected by the student, the Pass/No Pass grade option may not be changed back to the traditional grading option.  
(AP 4230.1, 5/2/19)

## **Scholastic Honors**

### **Semester Honors**

Students who complete 12 or more graded units in a semester with a grade point average of 3.0 or above will be eligible for scholastic distinction for that semester.

### **President's Honor List**

Eligible students who earn a grade point average of 3.7 or above will receive presidential honors for that particular term.

### **Dean's Honor List**

Eligible students who earn a grade point average between 3.0 and 3.69 will receive dean's honors for that particular term.  
(Policy 5210, 05/20/97)

### **Associate Degree Honors**

Students receiving the Associate in Arts or Associate in Science degree are eligible for scholastic honors based on the cumulative grade point average at the end of the semester in which the student applied and was approved for graduation. Units and grade points from transferable courses taken at colleges other than San Joaquin Delta College will be included in computing the final grade point average for honors determination. Honors at graduation are denoted on the diploma and transcripts as follows:

- 4.00 Highest Honors
- 3.70 - 3.99 High Honors
- 3.30 - 3.69 Honors
- 3.00 - 3.29 Honorable Mention

## **Scholastic Probation**

### **Standards for Probation**

1. Academic Probation: A student shall be placed on academic probation if the student has attempted a minimum of 12 semester units of work and has a cumulative grade point average of less than 2.0.
2. Progress Probation: A student shall be placed on progress probation if the student has enrolled in a total of at least 12 semester units and the percentage of all units in which the student has enrolled, for which entries of "W," "I," "NC," and "NP" were recorded, reaches, or exceeds fifty percent (50%).
3. Notification of Probation Status
  - First Semester Probation: Students who are placed on first semester academic or progress probation shall be notified of their status in writing by Admissions and Records. The notification will inform them of their status and the intervention services provided by the College;
  - Second Semester Probation: Students who are placed on second semester academic or progress probation shall be notified of their status in writing by Admissions and Records. The notification will inform them of their status, loss of eligibility for the BOGG Fee Waiver and Priority Registration, and the required intervention services provided by the College.

## **POLICIES, PROCEDURES, AND STANDARDS**

### **Removal from Probation**

1. Academic Probation: A student shall be removed from Academic Probation when the student's cumulative grade point average is 2.0 or higher.
2. Progress Probation: A student shall be removed from Progress Probation when the percentage of all units in which the student has enrolled, for which entries of "W," "I," "NC," and "NP" were recorded, drops below fifty percent (50%).
3. Admissions and Records shall notify a student when, if the student is removed from probation.

### **Probation Appeals**

1. A student has the right to appeal "second semester probation status" if the student believes there are extenuating circumstances warranting an exception to "second semester probation status." The granting of this appeal is based on the review of the probationary semester(s) to determine if the semester(s) do not reflect the student's usual level of performance due to accident, illness, or other circumstances beyond the control of the student.
2. A student must meet with a counselor to explain what extenuating circumstances existed, why the appeal should be granted, and provide strong evidence supporting the student's reasons. The Counselor will recommend to the Director of Admissions and Records or designee if the appeal should be granted, and whether the first and/or second semester on probation should be exempt from determining "second semester probation status."
3. The Director of Admissions and Records or designee shall notify the student if the appeal is granted. Based on the determined priority registration deadlines, the student shall regain placement in the appropriate priority registration group and eligibility for the Board of Governors Fee Waiver if the student has not exceeded the unit limitation (AP 4250, 6/18/24).

See BP 4250 Probation, Dismissal, and Reinstatement and AP 4250.1 Dismissal and Reinstatement After Dismissal.

## **Registration, Records, and Attendance**

### **Attendance**

#### **Requirements for Attendance**

It is the instructor's responsibility to ensure that all students attending class are officially enrolled. Under no circumstances should a student be allowed to attend class if that student is not officially enrolled.

A student who fails to attend any of the first three class sessions at the beginning of a term may be dropped from that class unless the student has advised and obtained an absence approval from the faculty member. The foregoing statement will be read by every faculty member to every class at the first session and for as many subsequent sessions as the faculty member feels to be necessary.

No drops will be allowed from a credit class after 50% of the class has elapsed; a grade must be issued.

#### **Mandatory Withdrawals**

On or before the last business day before the course census date, a faculty member shall mandatorily drop a student who has been identified as a no show or is no longer participating in the course, except if there are extenuating circumstances. Extenuating circumstances are verified cases of accident, illness, and other circumstances beyond the control of the student. Nonparticipation is defined as excessive unexcused absences. Excessive absenteeism is defined as one more absence than the class meets per week.

#### **Discretionary Withdrawals**

A student absent for any reason, for more than the number of times the class meets per week, may be dropped from the class for excess absenteeism providing the withdrawal deadline for the semester/term has not passed.

A student enrolled in a course, other than the standard semester length, may be dropped if the student is absent for more than 10% of the total class meetings, providing the withdrawal deadline for the class has not passed.

#### **Last Date of Attendance**

When dropping a student for excess absenteeism, the professor must provide the last date of attendance. Effective July 2011, the U.S. Department of Education has defined "Last Date of Attendance" as: an academically-related activity that is documented. For online courses, an "academically-related activity" includes, but is not limited to: a quiz, test, or assignment submissions, meaningful participation in an online discussion, or student initiation of contact with the instructor to ask a course-related question via email or chat.

The Last Date of Attendance is not defined as the last date of course log in, and is not the same as the drop date. (BP 5075 Course Registration, Adds, and Drops, 8/6/24)

See AP 5075 Course Registration, Adds, and Drops.

## Course Registration, Adds, and Drops

### Regular Registration

Prior to each semester, the District will provide a regular registration period. Dates of registration will be available via the Schedule of Classes which is posted online. Detailed plans for registration will be developed and administered by the Director of Admissions and Records. Enrollment in a regular semester or summer intersession must be undertaken by the close of registration period.

### Implementing Prerequisites, Corequisites, and Limitations on Enrollment

A student seeking enrollment in a course with a prerequisite that the student believes has been fulfilled at another college or university must provide official transcripts from that institution to the Admissions and Records Department a minimum of 48 hours prior to attempting enrollment. All conditions a student must meet to be enrolled in the course through the registration process will be enforced. A student is not permitted to enroll unless they have met all the conditions of enrollment or sought entry to the course through the Matriculation Prerequisite/Corequisite Appeals Process (see AP 5052).

### Student Unit Load

#### Regular Semester

Students who have been unconditionally admitted may register for not more than twenty-one (21) units prior to the beginning of open registration. Contingent upon counselor approval, students who have maintained a 2.75 cumulative GPA in a minimum of fifteen (15) units of previously completed coursework, and who in good academic standing (i.e., not on academic or progress probation), may enroll for an additional six (6) units after the semester has begun for a total of twenty-seven (27) units per semester. Students who do not meet the above criteria may still be eligible to enroll for as many as twenty-seven (27) units if they can demonstrate compelling extenuating circumstances.

#### Inter-Session

Students who have been unconditionally admitted may be allowed to register for not more than twelve (12) units prior to the beginning of summer session. Contingent upon counselor approval, students who have maintained a 2.75 cumulative GPA in a minimum of fifteen (15) units of previously completed coursework, and who are in good academic standing may add an additional three (3) units after the summer session has begun for a total unit limitation of fifteen (15) units per intersession. Students who do not meet the above criteria may still be eligible to enroll for as many as fifteen (15) units if they can demonstrate compelling extenuating circumstances.

Students who have been conditionally admitted will be allowed to register for the number of units prescribed on the basis of their conditional admission to the College by the Assistant Superintendent/Vice President of Student Services or designee. Students enrolled under Conditional Admission will not be permitted to add additional units without the written authorization of the Assistant Superintendent/Vice President of Student Services or designee.

### Adding Courses During Registration

Students may add courses online through the registration period.

### Late Registration

#### Census Classes

During the regular semester or the summer intersession, students may only register up to, and including, the last day of business immediately preceding the census date for the class.

#### Positive Attendance Classes

Students may only register up to, and including, the last day of business before 20% of the number of days for which the class is scheduled to meet has passed.

Once the term has begun, enrollment into classes is subject to instructor approval using electronic wait lists. If the faculty believes there is a compelling reason to add a student after the above deadlines, the request must be approved by the Division Dean or the appropriate Assistant Superintendent/Vice President.

### Rosters

Each faculty member will have access to the class rosters for each class taught during the current semester on the first day of the class via the online roster system. The roster will include the names of all students who have registered prior to the beginning of the term. The student's name on the roster is an authorization to be in that class.

Faculty are responsible for managing enrollment in their classes by meeting College deadlines for submission of adds, drops, and submission of census and/or positive attendance rosters, grade rosters, and roster certification forms.

If enrollment in a particular course is permitted after classes have begun, the student will be directed to place themselves on the course wait list via the online registration system. Students may be moved, by the instructor, from the electronic Wait List to full enrollment through the due date for the Wait List Roster. Under no circumstances should students be allowed to attend

## **POLICIES, PROCEDURES, AND STANDARDS**

class if they are not enrolled properly. If there is a discrepancy, the student should be referred promptly to the Admissions and Records Office to ascertain the problem concerning enrollment.

Enrollment management assistance is provided to faculty by the Admissions and Records Office via e-mail, and in-person assistance is available.

### **Absence from Class**

A student who will be absent from any class or classes for three (3) days or longer for health reasons or other personal emergencies is advised to notify the Office of Counseling and Special Services.

If a student knows of a disability-related absence in advance (e.g., previously unanticipated surgery), the student is strongly encouraged to notify the class instructors and Disability Support Programs and Services (DSPS) prior to the absence.

A student may be dropped from a class due to excessive, non-excused absences as defined in Title 5 (58000 et.seq.). If the excessive absences are disability-related (e.g. surgery, other treatment, an injury, or an illness that is related to a disability or results in a disability) and the student intends to remain registered for the class, the student may meet promptly with a Disability Support Programs and Services (DSPS) Counselor to request assistance to remain registered for the class.

A student requesting DSPS assistance for disability-related absences is not required to be registered with DSPS prior to requesting such assistance. However, DSPS is authorized to determine whether a student making a request due to disability-related absences qualifies as an individual with a disability at the time of the request. If the individual is not disabled and/or the absences are not disability-related, the College is not required to accommodate the student beyond the legal requirements of Section 504 and Title II.

If the student does not agree with DSPS and the professor's decision, the student may file a grievance (See BP/AP 5530, Student Rights and Grievances).

### **Withdrawals**

Withdrawals, or drops, are authorized through the last day of the eighth week of instruction or 50% of the term, whichever occurs earlier. Withdrawals, or drops, prior to the beginning of the semester will be permitted without charge. A student may only withdraw from a course and receive a "W" for the same course two times.

The limitations above notwithstanding, a student may petition the Director of Admissions and Records for permission to repeat a course more than once to address excessive "Ws" with the following limitations:

- Students are allowed no more than three enrollments that result in grading symbols of "D," "F," "FW," "NC," "NP" and "W".
- Students are required to meet all current course prerequisites/ co-requisites prior to attempting to repeat the course.
- Students who are allowed to enroll for the third time are not allowed to drop the class on or after the census date, they are required to receive a grade.
- Students must request permission from the instructor to add the course once classes have begun.
- Students must provide the instructor with a copy of the approved petition to repeat the class. Students are allowed to enroll only after all other credit-seeking students have been added to the class.

Students are required to seek support services such as tutoring, counseling, etc. as determined by the College Counselor.

Students who have exceeded the number of repetitions allowed under this procedure and wish to repeat a class, shall not be allowed to re-enroll in the course at Delta College.

The District will not collect apportionment for enrollment in a class after a total of three repetitions resulting in "Ws," grades, or other non-evaluative symbols.

### **Withdrawal from Graded Courses**

#### Withdrawal from Full-Term Census Course:

- Students who withdraw from one or more courses through the last day before the census day or date will have no entries made on their transcripts for the courses enrolled in at the time of withdrawal.
- Students who withdraw from one or more courses on or after the census day or date through the last day of the eighth week of instruction or 50% of the term, whichever occurs earlier, of the fall/spring semesters or 50% of the term for intersessions, will have "Ws" entered on their transcripts for those courses in which they were enrolled at the time withdrawal from the College.
- Students who remain enrolled in one or more courses after the last day of the eighth week of instruction or 50% of the term, whichever occurs earlier of the fall/spring semester or 50% of Intersession, will have a grading symbol other than a "W" as prescribed in Administrative Procedure (AP) 4230, Grading Symbols, i.e., A, A-, B+, B-, C+, C, D, F, FW, P, NP, IP, or I entered on their transcripts.

## **POLICIES, PROCEDURES, AND STANDARDS**

- Notwithstanding the above, students who are members of an active or reserve United States military service and who receive orders compelling withdrawal from courses after the census day or date of the first 20 percent of the course shall have the notation "MW" entered on their transcript in accord with the provisions of AP 4230.

### Withdrawal from Courses not Coterminous with the Term and Actual Hours of Attendance Courses:

- Students who withdraw from one or more courses on or before the last day before the census day or date of the course will have no entries made on their transcripts for the courses enrolled in at the time of withdrawal.
- Students who withdraw from one or more courses in the period between census day or date and 50% of the course will have a "W" entered on their transcripts for the courses in which they were enrolled at the time of withdrawal from the College.
- The academic record of a student who remains enrolled in a course beyond the time allowed by district policy will have a grading symbol other than a "W" as prescribed in AP 4230, i.e., A, A-, B+, B, B-, C+, C, D, F, FW, P, NP, IP, or I entered on their transcripts.
- Notwithstanding the above, students who are members of an active or reserve United States military service and who receive orders compelling withdrawal from courses after the census day or date of the first 20 percent of the course shall have the notation "MW" entered on their transcript in accord with the provisions of AP 4230.

### **Reinstatement After Drop**

Students dropped from a course due to non-participation or excessive absences due to extenuating circumstances beyond their control, which justify remaining in the course, may request a course reinstatement. Except in cases involving disability related absences as stated in K. Disability-Related Absences, course reinstatements are at the discretion of the instructor. (AP 5075, 5/7/24)

### **Open Enrollment Policy**

The policy of the District is that, unless specifically exempted by statute or regulation, every course, course section, or class reported for state aid, 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 regulations contained in Article 2.5 (commencing with Section 55200) of Subchapter 1 of Chapter 6 of Division 6 of Title 5 of the California Code of Regulations. Enrollment is subject to the established priority system as established by BP/AP 5055. (BP 5052, 2/17/04)

See AP 5052 Open Enrollment.

### **Students in the Military**

#### **Residence Determinations for Military Personnel and Dependents**

A student who is a member of the armed forces of the United States stationed in California on active duty is entitled to resident classification. Such students shall retain resident classification in the event that the member of the armed forces is thereafter transferred on military orders to a place outside of California or thereafter retires from active duty, so long as the student remains continuously enrolled (as defined by catalog rights) in the District.

A student who is a natural or adopted child, stepchild, or spouse who is a dependent of a member of the armed forces of the United States stationed in this state on active duty shall be entitled to resident classification. Such student shall retain resident classification if the student is thereafter transferred on military orders to a place outside of California, so long as the student remains continuously enrolled in the District.

A student who was a member of the armed forces of the United States stationed in California on active duty for more than one year immediately prior to being discharged from the armed forces is entitled to resident classification for the length of time he or she lives in California after being discharged up to the minimum necessary to become a resident.

An individual who is the child or spouse of a person who, on or after September 11, 2001, died in the line of duty while serving on active duty as a member of the Armed Force who resides in California is entitled to resident classification.

An individual who is entitled to transfer Post-911 GI Bill program benefits by virtue of their relationship to a member of the uniformed services who is serving on active duty is entitled to resident classification.

A parent who is a federal civil service employee and the parent's natural or adopted dependent children are entitled to resident classification if the parent has moved to this state as a result of a military mission realignment action that involves relocation of at least 100 employees. This classification shall continue until the student is entitled to be classified as a resident, so long as the student continuously attends an institution of public higher education.

A student claiming the residence classifications provided for in this procedure must provide a statement from the student's commanding officer or personnel officer providing evidence of the date of the assignment to California. A student claiming the

## **POLICIES, PROCEDURES, AND STANDARDS**

residence classifications provided here for dependent of military personnel shall provide a statement from the military person's commanding officer or personnel officer that the military person's duty station is in California on active duty as of the residence determination date, or has been transferred outside of California on active duty after the residence determination date, or that the military person has retired from active duty after the residence determination date. (Title 5, Sections 54041; 54042)

### **Withdrawal Policies for Members of the Military**

A student who is a member of an active or reserve United States military service and who receives orders compelling a withdrawal from courses shall be permitted to withdraw upon verification of such orders. A withdrawal symbol of "W" and an "MW" may be assigned. Military withdrawal shall not be counted in progress probation, dismissal calculations, or in calculating the permitted number of withdrawals. In no case may military withdrawal result in a student being assigned an "FW" grade. In no case may a college require a student who is required to report for military duty to withdraw from a course by a specified date in order to receive a full refund of the tuition and fees the student paid to the college for the academic term in which the student was required to report for military service.

(AP 5013, 6/18/24)

### **Withholding of Student Records**

The Assistant Superintendent/Vice President of Student Services may withhold grades, transcripts, diplomas, certificates, and registration privileges from any student or former student who fails to pay a proper financial obligation to the District. The student shall be given written notification and the opportunity to explain if the financial obligation is in error.

The definition of proper financial obligation shall include but is not limited to: student fees; obligations incurred through the use of facilities; equipment or materials; library fines; unreturned library books; materials remaining improperly in the possession of the student; and/or any other unpaid obligation a student or former student owes to the District. A proper financial obligation does not include any unpaid obligation to a student organization.

#### Procedures for Notification Process

The Assistant Superintendent/Vice President of Student Services or designee shall notify the student or former student that records are being withheld and the reason therefore, including a statement of the amounts owed the College.

#### Release of Records

Records will be provided:

- During a period when facts are in dispute;
- When it is demonstrated to the Assistant Superintendent/Vice President of Student Services that reasonable progress is being made to pay the amount owed or that there exists a reasonable justification for delay in repayment;
- Upon payment of amounts owed.

#### Appeal Procedure

A student whose records have been withheld may appeal the action through the Student Grievance Procedure (AP 5530). (AP 5035, 6/18/02)

## **Student Rights**

### **Academic Freedom and Responsibility**

The San Joaquin Delta College Board of Trustees believes that faculty and students have the right to pursue teaching and learning with full freedom of inquiry. In order to assure that this viewpoint is understood by all, the Board has adopted the following policy on Academic Freedom and Responsibility:

1. Academic freedom and academic responsibility are inseparable. Academic freedom is the right of the faculty member to interpret findings logically, rationally, and dispassionately and to communicate conclusions without being subjected to any interference, molestation, or penalization because these conclusions are at a variance with those of constituted authorities or organized groups beyond the College.
2. Likewise, the academic freedom of the student is the freedom to express and to defend views or beliefs, the freedom to question and differ, without authoritative repression and without scholastic penalization by the faculty or the College.
3. Academic freedom carries with it corresponding responsibilities. Academic responsibility emphasizes the obligation to study, to investigate, to present and interpret, and to discuss facts and ideas concerning man, human society, and the physical and biological world in all branches and fields of knowledge. Since human knowledge is limited and changeable, the instructor will acknowledge the facts on which controversial views are based and show respect for opinions held by others. While striving to avoid bias, the instructor will, nevertheless, present the conclusions to which he or she believes the evidence points.

To ensure for San Joaquin Delta College these principles of academic freedom, the administration of the College and the

Board as the governing body of the District, will at all times demonstrate their support by actively and openly working toward a climate which will foster this freedom. Such participation will extend to the point of defending and supporting any faculty member who, while maintaining the high standards of his profession, finds his or her freedom of expression attacked or curtailed. (Policy 6620, 1/21/69)

### **Catalog Rights**

"Catalog Rights" enable any student who remains in attendance at San Joaquin Delta College to graduate by utilizing either the requirements published in the College Catalog at the time the student initially began attendance or at the time of graduation.

The graduation requirements that must be satisfied by any new student for an associate degree or certificate are available in the College Catalog in effect at the time of the student's entrance or initial attendance at San Joaquin Delta College. For purposes of catalog rights, the new College Catalog is available at the beginning of each academic year and the academic year begins each summer and ends in the subsequent spring session.

In order to maintain catalog rights, a student must remain in attendance in regular sessions during each successive calendar year. For purposes of this procedure "attendance" means attendance in at least one semester or two quarters each calendar year.

A student meets the requirements for remaining in attendance if any of the following exist:

- the student attended at least one credit course at San Joaquin Delta College in each calendar year, earning any grade symbol, including "W"; or
- the student completed any units in a credit course at another California community college or any campus of The California State University in the calendar year; or
- the student was on an educational leave (e.g., documented medical or military leave) approved by San Joaquin Delta College. Absence due to an approved educational leave or for attendance at another accredited institution of higher learning shall not be considered an interruption in attendance if the absence does not exceed two years.

A student remaining in attendance may elect to meet the graduation requirements in effect at the time of entrance, initial enrollment, or submission of application for graduation from San Joaquin Delta College.

Students changing their major may petition to utilize the graduation requirements from the College Catalog in effect at the student's entrance or initial attendance at San Joaquin Delta College or will be required to complete those requirements for the major in effect at the point of change or at the time of application for graduation.

The student may also petition substitutions for discontinued courses.  
(AP 4024, 4/4/23)

### **Educational Privacy Rights of Students**

The Family Educational Rights and Privacy Act (Section 438, Public Law 93-380), as amended, requires educational institutions to provide: student access to official educational records directly related to the student; explanation of educational records and an opportunity for a hearing to challenge such records on the grounds that they are inaccurate, misleading, or otherwise inappropriate; that the College must obtain the written consent of the student before releasing personally identifiable information about the student other than to a list of persons and agencies specified by the Act; and that these rights extend to present and former students of the College. The act provides that the College may release certain types of directory information, unless the student submits a request in writing to the Office of Admissions and Records that certain or all such information shall not be released without the student's consent.

Student participation in officially recognized activities and sports including weight, height, and high school of graduation for athletic team members. Degrees and awards received by students, including honors, scholarship awards, athletic awards, and Dean's List recognition. San Joaquin Delta Community College District does not identify or release any additional student records as "directory information." No other information may be considered directory information.

For more information, see BP 5111, Student Directory Information.

### **Free Expression: Time, Place, and Manner**

Students and employees of the District and members of the public shall be permitted to exercise their rights of free expression upon the District campuses consistent with law and in accordance with provisions for the time, place, and manner of conducting such activities, as specified in this procedure and Board Policy 3760, Free Expression: Time, Place, and Manner.

## **POLICIES, PROCEDURES, AND STANDARDS**

### **Free Expression Standards**

1. An employee shall not be dismissed, suspended, disciplined, reassigned, transferred, or otherwise retaliated against solely for acting to protect a student, District employee, or member of the public engaged in conduct authorized under this section, or refusing to infringe upon conduct that is protected by this section, the First Amendment to the United States Constitution, or Section 2 of Article I of the California Constitution.
2. Expression includes, but is not limited to, speech, communication, demonstrations, the use of bulletin boards, the distribution of printed materials or petitions, and the wearing of buttons, badges, and other insignia on the District's campuses.
3. Free expression permitted on the District's campuses is speech or other communication protected by the First Amendment to the United States Constitution or Section 2 of Article I of the California Constitution.
4. Prohibited Expression On the District's Campuses Includes:
  - Expression that is not protected by the United States or California Constitutions;
  - Expression that is defamatory or obscene according to current legal standards;
  - Expression that so incites others as to create a clear and present danger of the commission of unlawful acts on District property;
  - Expression that is "hate violence" under Education Code § 66301, defined as any act of physical intimidation or physical harassment, physical force or physical violence, or the threat of physical force or physical violence, because of the ethnicity, race, national origin, religion, sex, sexual orientation, disability, or political or religious beliefs of that person or group. Acts shall not be considered "hate violence" based on speech alone, except upon the showing that the speech itself threatens violence against a specific person or group of persons, that the person or groups of persons reasonably fears that the violence will be committed because of the speech, and that the person threatening violence had the apparent ability to carry out the threat;
  - Expression that violates lawful District regulations, unless constitutionally protected;
  - Expression that substantially disrupts the orderly operation of the District, unless constitutionally protected.

### **District Facilities**

The facilities of the District are non-public forums, except for areas designated by the District as public forums and reserved for expressive activities, which do not violate District policy, and which are lawful. Free expression may be exercised in public forums in accordance with this procedure.

### **Public Forums**

Public forums are areas that provide visibility and allow communication to a large number of students, administrators, faculty, and others walking or traveling on campus but also so as not to disrupt educational and other activities of the District on behalf of students:

- The grassy areas and similar paved common areas of the District's campuses are public forums, with the exception of outside areas immediately adjacent to classrooms where teaching and learning would be disrupted by the exercise of free expression or narrow outside walkways or corridors where the free-flow of foot traffic would be impeded by the exercise of free expression.
- The areas of the District's campuses generally available to students and the community, such as the Joseph Serna Amphitheatre and the Dolores Huerta Plaza are designated as public forums. The Joseph Serna amphitheater will be available as much as is practical and if not otherwise in use by the District. The District reserves the right to revoke that designation and apply a non-public forum designation or place other reasonable time and manner restrictions on the use of designated public forums. Areas which are public forums are reserved and open for expressive activities is subject to the following:
  - Persons using and/or distributing material in the areas shall not impede the progress of legal right-of-way of any passersby, nor shall they force passersby to take material.
  - No person using the areas shall touch, strike, or impede the progress of passersby, except for incidental or accidental contact or contact initiated by a passerby.
  - Persons using the areas shall not use any means of amplification that creates a noise or diversion that disturbs or tends to disturb the orderly conduct of the campus or classes.
  - Persons using the areas shall not use portable objects to stand on, including but not limited to boxes, crates, step stools, or ladders.

### **Notice**

Non-student, community groups wishing to engage in speech or expressive activities (with the exception of distributing petitions, circulars, leaflets, newspapers, and other printed matter) on campus, in the areas designated as public forums, must provide notification to the District through the Arts, Humanities, and Multimedia TrAC Office three (3) business days in advance of the activities and must describe the nature of the planned activities. No illegal activities will be permitted, no activities which violate District or campus rules, including rules and laws on illegal harassment and discrimination, and none that will substantially interfere with or disrupt activities already scheduled for that day and time in the designated areas.

### **Non-Public Forums**

Areas of the District facilities that are non-public forums specifically include campus offices and office hallways, classrooms, warehouses, maintenance yards, building center quad areas, child development areas, or locker rooms, and any other area not specified above as a public forum. The District reserves the right to designate additional areas as non-public forums, consistent with the law, as necessary to prevent the substantial disruption of the orderly operation of the College.

### **Posting of Materials**

Bulletin boards labeled for the exclusive use of a particular District agency, Transfer and Career Pathway (TrAC) Office, or department are not available for posting materials, by students, staff, faculty, or members of the public.

Bulletin boards shall be provided for use in posting materials at campus locations convenient for use by students, staff, faculty, and members of the public. All materials displayed on a bulletin board shall clearly indicate the author or agency responsible for its production, as well as an expiration date, which is the date thirty days after the material was first posted. The following criteria also apply to postings:

- All posters or banner announcements are restricted to bulletin boards, outdoor kiosks, center courtyard banners, and to the building "clothes lines" (fixed cabling).
- Expired posted materials may be removed after the passage of thirty (30) days by students, employees of the District or members of the public.
- The "clothes lines" (fixed cabling) devices located on the San Joaquin Delta College campus will be managed by the District Marketing Department, which will accept posters or banners and attach these submissions to the selected device and remove the poster or banner attachments after thirty days. The Marketing Department does not have editorial control over submitted posters and banners and will attach all submissions on a first come, first served available space basis, unless the submission will not physically function on the clothes line device or the submitted material clearly violates section B of this procedure. The Marketing Department's own use of the clothes line devices may take precedence over any submissions.

The District's Chief of Police or designee may place posters and circulate materials referencing crime alerts, domestic violence, dating violence, sexual assault prevention and human trafficking on and from any locations on campus as needed to assist in the promotion of a safe and secure campus environment in matters related to the Clery Act, Title IX, VAWA, and any applicable federal, state laws, and/or District Policies and Procedures.

### **Distribution of Materials**

Printed materials distributed on campus are subject to reasonable "time, place, and manner" restrictions. All persons using the areas that are designated public forums shall be allowed to distribute petitions, circulars, leaflets, newspapers, and other printed matter. Such distribution shall take place only within those areas designated as public forums and are subject to the following:

- Distribution of all material on campus by any person is subject to conduct specified in Penal Code, Sections 626.4 and 626.6.
- Individuals and/or organizations distributing such material must be appropriately identified.
- Distribution of such material in classrooms is expressly prohibited.
- Distribution of such material through the District mail services and facilities is permitted subject to the approval of the Assistant Superintendent/Vice President of Student Services or designee.
- Coercion to induce students to accept the printed matter or to sign petitions is prohibited.
- Funds or donations may not be collected for the material distributed.
- Materials may not be left undistributed or stacked for pickup while unattended at any place in the buildings or on campus.
- Materials discarded or dropped in or around the areas other than in an appropriate receptacle must be removed and properly discarded by those persons distributing the material prior to their departure from the areas that day.
- Materials left on the District's campuses in violation of these procedures will be discarded by the District.

### **Demonstrations**

Demonstrations may only occur in areas on campus designated by the District as public forums:

- Demonstrations will not interfere with any class, approved program or meeting being conducted on the campus.
- Demonstrations will not interfere with ingress or egress, or normal pedestrian or vehicular traffic flow.
- Excessive noise and other disruptive activities will not be permitted.
- Students are not excused from class for participation in demonstrations.
- Obscenities and offensive behavior are not tolerated, unless constitutionally protected.
- Students participating in demonstrations are not protected from civil regulations and penalties, unless constitutionally protected.

## **POLICIES, PROCEDURES, AND STANDARDS**

See Board Policy and Administrative Procedure 6700, Use of Facilities.  
(AP 3760, 6/18/24)

### **Shower Facilities for Homeless Students**

#### **General Provisions**

Shower facilities may be available for use by students of San Joaquin Delta College District when such use does not conflict with District programs and operations. Shower facility use shall be limited to places and times identified by the Superintendent/President's designee.

California Assembly Bill 1995 (Chapter 407, 2016) requires the governing board of a community college district with shower facilities for student use to grant access to those facilities to any homeless student who meets the following criteria:

- The student is enrolled in a minimum of five (5) units of coursework;
- The student has paid enrollment fees;
- The student is in good standing with the community college district.

Shower facilities are only available at the Stockton main campus, located at Delta College in the physical education locker rooms. Showers can be accessed when facilities are open and available. The college will notify students of the facilities that are open to them.

The Dean of Social Science, Education, and Public Service is responsible for the coordination and implementation of these procedures.

Procedures for notifying homeless students of shower availability:

Assembly Bill 1995 defines homeless students based on the definition of "homeless children and youths" under federal law (42 U.S.C. § 11434a(2)), but reflecting the age of the homeless student population at the community college campus, rather than "children". Homeless students for the purposes of this policy are those students enrolled in the District, but who lack a fixed, regular, and adequate nighttime residence. This includes, but not limited to, students who:

- are sharing the housing of the other persons due to loss of housing, economic hardship, or a similar reason;
- are living in motels, hotels, trailer parks, or camping grounds due to lack of alternative accommodations;
- are living in emergency or transitional shelters;
- have a primary nighttime residence that is a public or private place not designated for or ordinarily used as a regular sleeping accommodation for human beings; or,
- are living in cars, parks, public spaces, abandoned buildings, substandard housing, bus or train stations, or similar settings.

The Dean of Enrollment Services and Student Development or designee is responsible for notifying identified homeless students of the shower facility availability on the campus at the beginning of each semester. Signage will be posted in close proximity to the shower facility regarding the availability of shower facilities for homeless students.  
(AP 5220, 4/4/19)

### **Student Right to Know (SRTK)**

Student Right-to-Know Rates for Fall 2018 Cohort

Completion Rate: 30.22%

Transfer Rate: 6.98%

In compliance with the Student Right-to-Know and Campus Security Act of 1990 (Public Law 101-542), it is the policy of our college district to make available its completion and transfer rates to all current and prospective students. Beginning in Fall 2018, a cohort of all certificate-, degree-, and transfer-seeking first-time, full-time students were tracked over a three year period. Their completion and transfer rates are listed above. These rates do not represent the success rates of the entire student population at the College nor do they account for student outcomes occurring after this three year tracking period. Based upon the cohort defined above, a Completer is a student who attained a certificate or degree or became 'transfer prepared' during a three year period, from Fall 2018 to Spring 2021. Students who have completed 60 transferable units with a GPA of 2.0 or better are considered 'transfer prepared'. Students who transferred to another post-secondary institution, prior to attaining a degree, certificate, or becoming 'transfer prepared' during a five semester period, from Spring 2019 to Spring 2021, are transfer students.

## **Student Rights**

### **Rights**

- The right of free expression and of free speech. Students of the San Joaquin Delta College District shall be permitted to exercise their rights of free expression and free speech upon District campuses and other facilities consistent with law and in accordance with provisions for the time, place, and manner of conducting such activities. This exercise shall be in accord with Education Code section 76120 and 66301 and BP 3760 and AP 3760 which recognize this right.
- The right to participate in the shared governance process of the District. In compliance with Title 5 § 51023.7, the Board of Trustees of San Joaquin Delta College has adopted "policies and procedures that provide students the opportunity to participate effectively in district and college governance." This authority has been delegated to the Superintendent/President by BP 2430 and implemented in AP 2430.
- The right to enroll as a student of the District regardless of residency or citizen status. In accord with Education Code 76000, San Joaquin Delta College shall admit any California resident, or nonresident, possessing a high school diploma or the equivalent thereof. Conditions for admissions are delineated in BP 5010 and AP 5010.
- Every student of the District has the right to enroll in any course from which the student may profit. Reflecting the intent of Education Code 76000 and 69640, it is the intent of San Joaquin Delta College to "recognize the need and accept the responsibility for extending the opportunities for community college education to all who may profit from the education regardless of economic, social, and education status."
- Every student of the District has the right to be addressed by a preferred name, preferred gender, and preferred pronoun in every manner possible to the fullest extent of the law. To achieve this result the following steps shall be followed:
  - Any admitted or current student of San Joaquin Delta College may request a change to their preferred name, preferred gender, or preferred pronoun once a student ID number has been issued.
  - Under the direction of the Director of Admissions and Records or designee, a student may request: a printed in-person form or an easily accessible web link shall be provided respectively from the Office of Admissions and Records. The San Joaquin Delta College web site shall make this information readily available to students as well.
  - A preferred name change may not be used for any illegal purpose, including misrepresentation or fraud.
  - The student's preferred name may be any name that would be allowed if the student were making a formal legal name change within the State of California. Any proposed preferred name denied on this basis by the Director of Admissions or designee may be appealed by the student to the Superintendent/President of San Joaquin Delta College.
  - After the student has submitted their new preferred name, gender or pronouns to the Office of Admission and Records, by either of the above methods, within five (5) business days, the new preferred name, gender or pronouns will be reflected in the students:
    - Instructor's Class List
    - Grade Rosters
    - Student Schedule of Classes
    - Online Student Registration
    - Learning Management System
- Additionally, under the direction of the Director of Admission and Records or designee the student's preferred name request will be provided to the Director of Information Technology or designee who will direct the replacement of the student's current San Joaquin Delta College Student email account and display name with the new preferred name, which shall be completed within five (5) business days of the conveyance of the new preferred name.
- After the student's preferred name request has been completed, the student's legal name will continue to be used anywhere that a legal name is required, such as on employment records, and any other documentation involving financial aid or student accounts. Students must also continue to use their legal name when legally required.  
(AP 5530.1, 12/17/24)

## **Student Grievances**

### **Purpose**

The purpose of this procedure is to provide a reasonable means for resolving student grievances when no other administrative procedure or departmental procedure for review, investigation or resolution of the matter exists. See Other Available Procedures below.

Any time for the completion of an action specified in this administrative procedure may be shortened or lengthened on a case-by-case basis for good cause, as determined by the Assistant Superintendent/Vice President of Student Services. Written notice of any change in the time limit shall be served on the student by postal mail or by email at the student's District email address.

### **Definition of Terms:**

## POLICIES, PROCEDURES, AND STANDARDS

- **Applicant** - A person whose application for admission to the District has been denied.
- **Day** - A day during which the District is in session and regular classes are held, excluding Saturdays and Sundays.
- **District** - San Joaquin Delta Community College District.
- **Former Student** - A person who is no longer enrolled as a student in the District.
- **Grievance** - A complaint, charge, or appeal by a student or applicant based on an action by a District employee or agent that (1) allegedly violates a law, written Board Policy, or Administrative Procedure that grants a specific right to the student or applicant, or constitutes an arbitrary, capricious, or unequal application of specific law or written Board Policy, or Administrative Procedure, and (2) personally and directly affects the student or applicant when no other administrative procedure or departmental procedure for review, investigation, or resolution of the matter exists. A grievance by an applicant to the College shall be limited to the denial of admission.
- **Grievance Facilitator** - A division dean or student services manager, who is selected either by the Assistant Superintendent/Vice President of Student Services or another District administrator appointed by the Superintendent/President, to facilitate resolution of grievances by mutual agreement of the parties.
- **Grievance Officer** - A District administrator appointed by the Superintendent/President or designee to review a specific grievance and render a final decision.
- **Grievance Statement** - A written statement (Form 5535) which clearly and concisely states (1) the law or Board Policy, or Administrative Procedure that allegedly has been violated or arbitrarily, capriciously, or unequally applied; (2) the facts and circumstances giving rise to the grievance and name(s) of all District employees and/or agents whose acts or omissions are at issue; (3) the desired remedy; (4) a brief description of informal resolution efforts and whether informal resolution efforts are still in progress; and (5) the student's or applicant's mailing address and/or email address and telephone number for notices and other communications in relation to the grievance.
- **Grievant** - The student or applicant who submits a sufficient grievance as determined by the Grievance Facilitator pursuant to Section D, Facilitated Resolution Procedure.
- **Party** - The grievant or any District employee or agent allegedly responsible for the violation of law, Board Policy, or Administrative Procedures or for arbitrary, capricious, or unequal application of a law, Board Policy, or Administrative Procedure.
- **Respondent** - District employee or agent, who is identified by a student, former student, or applicant, as allegedly responsible for the violation or arbitrary, capricious, or unequal application of a law, Board Policy, or Administrative Procedure.
- **Student** - An individual currently enrolled in the District.
- **Superintendent/President** - The District's Superintendent/President or a designated representative of the Superintendent/President.

### Informal Resolution Procedure

Students and applicants shall make a reasonable, good faith attempt to resolve the matter by communicating first with the respondent(s) and, if unable to reach an informal resolution, with the respondent's/respondents' immediate supervisor within ten (10) days after the alleged act or omission giving rise to the grievance.

### Facilitated Resolution Procedure

1. If an Informal Resolution has not been reached and the student or applicant desires to continue to pursue resolution, the student or applicant shall submit a written Grievance Statement on Form 5535 to the office of the Assistant Superintendent/Vice President of Student Services within twenty (20) days after the act or omission giving rise to the grievance.
2. The Grievance Facilitator shall determine whether, as submitted, the Grievance Mediation Form 5535 is sufficient. A Grievance Statement shall be deemed sufficient if:
  - it is timely submitted
  - the person submitting the Grievance Mediation Form 5535 is a student, former student, or applicant, as defined in this procedure, and has made a reasonable effort to communicate with the respondent(s) and respondent's/respondents' immediate supervisor(s) to try to resolve the matter;
  - the student or applicant is personally and directly affected by the act(s) or omission(s) alleged in the Grievance Statement;
  - it specifies facts which, if true, would constitute a grievance under this procedure; and
  - the grievance is not clearly frivolous, without foundation, or filed for purposes of harassment.
3. If a Grievance Statement is not sufficient, the Grievance Facilitator shall notify the student or applicant in writing within ten (10) days whenever practicable. The Notice of Insufficiency shall identify the reason(s) for insufficiency.
4. A student, former student, or applicant may submit a revised Grievance Mediation Form 5535 which must be received in the Grievance Facilitator's office within ten (10) days after the Grievance Facilitator either mailed or emailed the Notice of Insufficiency, whichever is later. If a revised Grievance Mediation Form 5535 is not timely received or is also determined to be insufficient by the Grievance Facilitator, the student, former student, or applicant shall be notified, and the right to pursue further review under this procedure shall be deemed waived.

5. The Grievance Facilitator shall try to facilitate a resolution through conference(s) with the parties, individually or together, and by any other voluntary means designed to facilitate a mutually agreeable, voluntary resolution.

#### **Administrative Review**

If the Grievant desires to seek an Administrative Review of the Grievance, within ten (10) days after the Grievance Facilitator mailed or emailed the Notice of Non-Resolution, whichever is later, the Grievant shall submit a written Request for Administrative Review to the Grievance Facilitator, who shall forward it to the Superintendent/President, or designee, with a copy of the Grievance Mediation Form 5535, for assignment to a Grievance Officer. If the Grievance concerns a District employee, the Grievance Facilitator shall also forward a copy of the Request for Administrative Review to the employee within five days after receipt and notify the employee of the District's intention to investigate in accordance with these procedures.

Unless other procedures are required by applicable laws or regulations, the Grievance Officer shall set up an Administrative Review Conference ("ARC") as soon as practicable. At the ARC the Grievance Officer shall give the parties an opportunity to present information in support of, or to rebut, the Grievance and to state any proposed resolution(s). The Grievance Officer may ask the parties and non-parties questions and request that they provide relevant documents. Presentation of information and/or appearances by non-parties shall be permitted only with the Grievance Officer's express authorization or as required under an applicable collective bargaining agreement.

The Grievance Officer shall issue a Notice of Decision to the parties within ten (10) days after conclusion of the ARC whenever practicable and send a copy to the Grievance Facilitator. The Grievance Officer's decision shall be final.

#### **Other Available Procedures**

The District has specific procedures to address various concerns. The list below is intended to assist in identifying the appropriate procedure for specific complaints. Requests for help with determining the appropriate procedure may be directed to the Assistant Superintendent/Vice President of Student Services.

1. Student disciplinary actions, which are covered under AP 5500 Standards of Student Conduct and BP/AP 5520, Student Discipline and Appeals Procedures.
2. Challenges of Course or Program pre-requisites or co-requisites, which must be resolved through policies and procedures of the applicable academic department; and/or the Matriculation Appeals Committee.
3. Financial Aid eligibility which must be appealed through the online appeal process on the District's Financial Aid, Scholarships & Veterans Services webpage.
4. Parking Citations which must be appealed through the online appeal process on the District's Police Department webpage.
5. Police Citations (i.e., "tickets" for moving violations, alcohol, etc.) which must be directed to the criminal justice system (court) in the same way as any traffic violation.
6. Students with concerns regarding professional, clinical standards or training issues within specialized programs must follow the specialized grievance procedures listed in the specific program handbook:
  - Law Enforcement Police Academy (Peace Officers Standards & Training - POST)
  - Nursing Program - Associate Degree and Vocational (Health Sciences Division)
  - Psychiatric Technician Program (Health Sciences Division)
  - Radiologic Technology Program (Health Sciences Division)
7. Unlawful Discrimination and Harassment complaints must be handled through the District's Administrative Procedures 3435 and 3435.1, Discrimination and Harassment Complaint Procedure and Investigative Process, which are available from the District's Office of Human Resources and on the District's website.
8. Grade Disputes – AP 5530.3.

See Board Policies 5530.1, 5530.2, 5530.3 (Students Rights, Grievances, and Grade Disputes); Administrative Procedures 5500 Standards of Conduct, 5520 Student Discipline and Appeal Procedure, 5530.2 Student Grievances, and 5530.3 Grades Disputes; Grievance Mediation Form 5535 is available on the District's Student Services Division Webpage). (AP 5530.2, 12/18/24)

### **Grade Disputes**

Note: All referenced forms are available on the District's Student Services Division Webpage.

#### **Definitions**

- **Bad faith** is synonymous with fraud, neglect, or refusal to fulfill some duty or contractual obligation, not prompted by an honest mistake as to one's rights or duties.
- **Business day** is any day the District's administrative offices are open to the public for business.
- **Course professor** is the professor who issued the grade that is disputed by the student.
- **Day** is a day during which the District is in session and regular classes are held, excluding Saturdays and Sundays.

## POLICIES, PROCEDURES, AND STANDARDS

- **District** is the San Joaquin Delta Community College District.
- **Fraud** is an intentional perversion of the truth for the purpose of inducing another to part with something valuable or to surrender a legal right.
- **Incompetence** is the lack of ability, legal qualification, or fitness to discharge a required duty.
- **Mistakes** include, but is not limited to, clerical errors and errors made by a professor in calculating a student's grade.
- **The party** is a student or a course professor.
- **Student** is a student currently or formerly enrolled in the District who is disputing a grade issued by the course professor.

### **Informal Resolution:** All Grade Disputes

#### 1. Petition for Change to Academic Record ("Petition")

To challenge a grade a student shall first complete a Petition for Change to Academic Record (Petition Form AP 4231) and submit it with any supporting documentation to the Director of Admissions and Records. The Director of Admissions and Records will notify the student via email of the response from the course professor. (See AP 4231, Grade Changes and Adjustment of Fees)

Only one Petition for Change to Academic Record is allowed per course and must be submitted no later than one year after the last day of the term in which student took the course. (Education Code §76224, Title 5 §55025)

#### 2. Initial Meeting: All Grade Disputes

Except as provided below, a student who is dissatisfied with the course professor's response to the Petition must meet with the course professor to try to resolve the dispute informally.

The student shall meet with a faculty member selected by the Dean if the course professor is unavailable.

The student shall meet with the Human Resources Manager if the student has filed a discrimination complaint against the course professor or with the Dean if the student believes that it is possible there has been gross misconduct by the course professor.

The student may be accompanied by a person ("advisor") of his or her selection to provide advice in the course of resolving the grade dispute. The student may consult the advisor, but the advisor shall not speak for the student. Students with disabilities may request accommodations to enable them to participate in grade dispute proceedings. Requests for accommodations should be directed to the Office of the Assistant Superintendent/Vice President of Student Services.

#### 3. Mediation: Grade Disputes Based on Bad Faith, Fraud, Incompetence, or Mistake

If meeting (pursuant to Section B 2, paragraph 2) does not resolve the dispute to the student's satisfaction, the student may complete a Grievance Mediation Form and file it with the Dean of the course in which the disputed grade was issued.

On the Grievance Mediation Form the student shall include a statement explaining the factual basis(es) for the student's allegation(s) of bad faith, fraud, incompetency, or mistake; the name of the course and course professor; and the relief sought.

The Grievance Mediation Form shall be filed within ten (10) business days after the meeting (pursuant to section B 2, paragraph 2).

The burden is on the student to prove by a preponderance of the evidence that the facts alleged are true.

The Dean may meet with the parties individually and/or together to mediate the dispute. The Dean shall notify the parties of their Resolution Recommendation via email within twenty (20) business days after receipt of the Grievance Mediation Form.

### **Formal Resolution:** Grade Disputes Based on Bad Faith, Fraud, Incompetence, or Mistake

#### 1. Time of Appeal

If either party is dissatisfied with the Dean's Resolution Recommendation, he or she may appeal by submitting a completed Request for Grievance Hearing (Hearing Request Form 5540) along with a copy of the Petition and the Grievance Mediation Form to the Assistant Superintendent/Vice President of Instruction and Planning or designee.

The appeal must be received in the Office of the Assistant Superintendent/Vice President of Instruction and Planning, or designee, within ten (10) business days after the Dean emailed their Resolution Recommendation to the appealing party.

If a Hearing Request is not filed within ten (10) business days, the Dean's Resolution Recommendation shall be final.

#### 2. Sufficiency of Appeal

- a. **Determination of Sufficiency**  
Upon receipt of any Hearing Request, the Assistant Superintendent/Vice President of Instruction and Planning or designee shall determine whether the Hearing Request is timely.  
Upon receipt of a student's Hearing Request, the Assistant Superintendent/Vice President of Instruction and Planning or designee shall, in addition to timeliness, determine whether, assuming the alleged facts are true, the Hearing Request, Petition and Grievance Form state a grade dispute based on bad faith, fraud, incompetency, or mistake. (Education Code §76224(a); 5 CCR §55025(a))
  - b. **Sufficiency Notice**  
The Assistant Superintendent/Vice President of Instruction and Planning or designee will notify the student and course professor via email of their sufficiency determination within ten (10) business days after receipt of the Hearing Request. The notice shall specify the reason(s) for the determination.  
If the Hearing Request is insufficient, the student may submit an amended Hearing Request within five (5) business days after receipt of the amended Hearing Request. The Assistant Superintendent/Vice President of Instruction and Planning's or designee's sufficiency determination shall be final.  
If the Assistant Superintendent/Vice President of Instruction and Planning or designee determines that the Hearing Request is sufficient, a Hearing Panel shall be convened.
3. **Hearing Panel/Hearing Procedures Hearing Panel**
    - a. **Hearing Panel**  
The Assistant Superintendent/Vice President of Student Services shall select a Hearing Panel composed of two educational administrators and the Dean or immediate supervisor of the course Professor.
    - b. **Hearing Notice**  
The Assistant Superintendent/Vice President of Student Services or designee shall give the parties, via email, at least ten (10) business days prior notice of the hearing date, time, and place.
    - c. **Submittal of Documentary Evidence**  
The parties shall submit all documentary evidence to be considered at the hearing to the Assistant Superintendent/Vice President of Student Services or designee and the other party at least five (5) days prior to the hearing date. No late documentary evidence will be considered at the hearing except upon a showing to the satisfaction of the Hearing Panel that such evidence could not have been submitted in a timely manner through no fault of the party.
    - d. **Witness Authorization**  
Neither party may bring witnesses to the hearing except with the advance authorization of the Assistant Superintendent/Vice President of Student Services or designee. Such authorization may be requested by submitting a written request, at least five (5) days prior to the hearing date, to the Assistant Superintendent/Vice President of Student Services or designee.  
Authorization to bring witness(es) to the hearing will be granted only if the testimony of the proposed witness(es) is based on personal observation of incidents that are material to the allegations of bad faith, fraud, incompetence, or mistake.
    - e. **Presentation of Evidence**  
At the hearing the parties will have an opportunity to present evidence by their own testimony and testimony of authorized witnesses, if any, and by documentary evidence.  
The burden shall be upon the student to prove by a preponderance of the evidence that the disputed grade was assigned due to bad faith, fraud, incompetence, or mistake.

**Hearing Panel Recommendation / Superintendent/President's Review**

Within five (5) business days after the close of the hearing, the Assistant Superintendent/Vice President of Student Services or designee shall prepare and send to the Superintendent/ President the Hearing Panel's recommendation. The recommendation shall include specific factual findings, specific conclusions on whether bad faith, fraud, incompetence, or mistake has been established, and the relief to be afforded the student, if any. The recommendation shall be based only on the hearing record which shall include the Petition, Grievance Mediation Form, the Hearing Request, documentary evidence submitted for the hearing, and oral testimony given at the hearing. The Superintendent/President shall review the recommendation of the Hearing Panel and within twenty (20) business days notify the parties by email of their decision.

The Superintendent/President's decision shall be final.

**Time Limits**

Any time for the completion of an action specified in this administrative procedure may be shortened or lengthened on a case-by-case basis for good cause, as determined by the Assistant Superintendent/Vice President of Instruction and Planning or the Assistant Superintendent/Vice President of Student Services. Written notice of any change in time limit shall be served on the student by postal mail or by email at the student's District email address.

See Board Policies 5530.1, 5530.2, 5530.3 (Students Rights, Grievances, and Grade Disputes); Administrative Procedures 4231 Grade Changes and Adjustment of Fees, 5500 Standards of Student Conduct, 5520 Student Discipline and Appeal

## **POLICIES, PROCEDURES, AND STANDARDS**

Procedure, and 5530.2 Student Grievances: Petition Form 4231, Grievance Mediation Form 5530.2, Hearing Request Form 5540

Note: All referenced forms are available on the District's Student Services Webpage (AP 5530.3, 6/18/24)

### **Standards of Student Conduct Policy**

A student enrolled at San Joaquin Delta Community College District assumes an obligation to conduct him/herself in a manner compatible with the District's function as an educational institution. This includes the obligation to act with honesty, integrity, and respect. Students are expected to treat members of the campus community, District property, and personal property of members of the campus community with respect and to take care not to cause harm to others or their property.

The Superintendent/President shall establish regulations setting standards and expectations for student conduct, including regulations specifying acts by students that constitute student misconduct and the disciplinary consequences for such misconduct as defined in Administrative Procedure 5500, Standards of Student Conduct.

For the purpose of this policy, the term "student" includes applicants, enrolled students, students between academic terms, graduates awaiting degrees, and students who withdraw from school while a disciplinary matter is pending. (BP 5500, 10/3/24)

### **Standards of Student Conduct Procedure**

Students are expected to comply with all federal and state laws as well as all District policies and procedures. Students are obligated to engage in all District activities with respect so as not to disturb the opportunity for faculty and staff to perform their duties and for students to gain the full benefits of participation in their classes and other District programs.

The following conduct shall constitute good cause for discipline, including but not limited to the removal, suspension or expulsion of a student, except for conduct that constitutes sexual harassment under Title IX which shall be addressed under AP 3433 Prohibition of Sexual Harassment under Title IX, and AP 3434 Responding to Harassment Based on Sex under Title IX:

- Causing or attempting to cause, or threatening to cause physical injury to another person;
- 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 the SJDC Chief of Police;
- Unlawful possession, use, sale, offer to sell, or furnishing any controlled substance listed in the California Health and Safety Code Sections 11053 et seq., any 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 California Health and Safety Code Section 11014.5;
- Committing or attempting to commit robbery or extortion;
- Causing or attempting to cause damage to District property or to private property on campus;
- Stealing or attempting to steal District property or private property on campus, or knowingly receiving stolen District property or private property on campus;
- Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the college or District;
- Sexual assault or sexual exploitation regardless of the victim's affiliation with the District;
- Committing sexual harassment as defined by law or by District policies and procedures;
- Engaging in harassing or discriminatory behavior based on disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sexual orientation, or any other status protected by law;
- Engaging in intimidating conduct or bullying against another student through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyberbullying;
- Willful misconduct that results in injury or death to a student or to District personnel or which results in cutting, defacing, or other injury to any real or personal property owned by the District or on campus;
- Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open and persistent defiance of the authority of, or persistent abuse of, college personnel;
- Cheating, plagiarism (including plagiarism in a student publication), or engaging in other academic dishonesty that is intended to gain an unfair academic advantage including, but not limited to: misrepresenting work completed by others as their own, submitting work to one class completed in another without instructor permission, buying, selling, copying, photographing or disseminating answers to exams or homework, using any device in class without instructor authorization;

## POLICIES, PROCEDURES, AND STANDARDS

- Dishonesty; forgery; alteration or misuse of District documents, records or identification; or knowingly furnishing false information to the District;
- Unauthorized entry upon or use of District facilities;
- Lewd, indecent or obscene conduct or expression on District owned or controlled property, or at District sponsored or supervised functions as defined in AP 3760;
- Engaging in expression which is obscene, libelous or slanderous, according to current legal standards or which so incites students as to create a clear and present danger of the commission of unlawful acts on District premises or the violation of lawful District regulations, or the substantial disruption of the orderly operation of the District as defined in AP 3760;
- Persistent, serious misconduct where other means of correction have failed to bring about proper conduct;
- 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;
- Any other conduct that threatens the health, safety or security of the campus community, or substantially disrupts the functions or operation of the District is within the jurisdiction of this Article, regardless of whether it occurs on or off campus, and whether or not it is specifically described above. Students who engage in any of the above are subject to the procedures outlined in AP 5520 Student Discipline Procedures.

The District is committed to the principles and philosophies of restorative justice and approaches outcomes from a progressive lens to determine sanctions for conduct violations. Students who are determined to have engaged in misconduct as described herein are subject to the procedures outlined in AP 5520 Student Discipline Procedures.

See also BP/AP 5500 Standards of Student Conduct and BP/AP 5520 Student Discipline and Appeal Procedure.  
(AP 5500, 1/21/25)

### Student Discipline and Appeal Procedure

The purpose of this procedure is to provide a prompt, and equitable means to address violations of the Standards of Student Conduct, which guarantees to the student or students involved the due process rights guaranteed them by state and federal constitutional protections. This procedure will be used in a fair and equitable manner, and not for purposes of retaliation. It is not intended to substitute for criminal or civil proceedings that may be initiated by other agencies.

This administrative procedure is specifically not intended to infringe in any way on the rights of students to engage in free expression as protected by the state and federal constitutions and Education Code Section 76120, and will not be used to punish expression that is protected.

Students with disabilities may request accommodations to enable them to participate in these student discipline and appeal procedures. Requests for accommodations should be directed to Disability Support Programs and Services (DSPS).

#### Definitions:

- **District** - The San Joaquin Delta Community College District.
- **Student** - Any person currently enrolled as a student at any college or in any program offered by the District who was also enrolled at the time of the alleged violation of the Standards of Student Conduct.
- **Instructor** - Any academic employee of the District in whose class a student subject to discipline is enrolled, or counselor who is providing or has provided services to the student, or other academic employee who has responsibility for the student's educational program.
- **Conduct Officer or designee** - The Superintendent/President's designee assigned to administer discipline for student behavior that violates the Standards of Student Conduct (AP 5500). The Conduct Officer shall be assigned by the Assistant Superintendent/Vice President of Student Services.
- **Short-term Suspension** - Exclusion of the student by the Conduct Officer or designee, for good cause, from one or more classes for a period of up to ten (10) consecutive days of instruction.
- **Long-Term Suspension** - Exclusion of the student by the Conduct Officer or designee, for good cause, from one or more classes for the remainder of the school term, or from all classes and activities of the District for one or more terms.
- **Removal from class** - Exclusion of the student by an instructor for the day of the removal and the next class meeting.
- **Written or Verbal Reprimand** - An admonition to the student to cease and desist from conduct determined to violate the Standards of Student Conduct. Written reprimands may become part of a student's permanent record at the college. A record of the fact of a written reprimand may be included in a student's discipline. A record of the fact that a verbal reprimand has been given may become part of a student's record at the college for a period of up to one year.

## POLICIES, PROCEDURES, AND STANDARDS

- **Withdrawal of Consent to Remain on Campus** - Withdrawal of consent by the District police, Conduct Officer or designee for any person to remain on campus in accordance with California Penal Code Section 626.4 where the District police, Conduct Officer or designee has reasonable cause to believe that such person has willfully disrupted the orderly operation of the campus.
- **Day** - Day during which the District is in session and regular classes are held, excluding Saturdays and Sundays.
- **Process for Short-term Suspensions, Long-term Suspensions, and Expulsions** - Before any disciplinary action to suspend, or expel is taken against a student, the process shall be defined to include the following:
- **Notice** - The Conduct Officer or designee will provide the student with written notice of the conduct warranting the discipline. The written notice will include the following:
  1. the specific section of the Standards of Student Conduct that the student is accused of violating;
  2. short statement of facts supporting the accusation;
  3. the right of the student to meet with the Conduct Officer or designee to discuss the accusation, or to respond in writing;
  4. the nature of the discipline that is being considered.
- **Time Limits** - The notice must be provided to the student within ten (10) business days of the date on which the conduct is reported; in the case of continuous, repeated or ongoing conduct, the notice must be provided within ten (10) business days of the date on which conduct occurred or is reported which led to the decision to take disciplinary action.
- **Meeting** - If the student chooses to meet with the Conduct Officer or designee, the meeting must occur no sooner than three (3) days after the notice is provided. At the meeting, the student must again be told the facts leading to the accusation, and must be given an opportunity to respond verbally or in writing to the accusation.
- **Short-Term Suspension** - Within fourteen (14) business days after the meeting described above the Conduct Officer or designee shall determine whether to impose a short-term suspension, whether to impose some lesser discipline action, or whether to end the matter. Written notice of the Conduct Officer or designee's decision on a short-term suspension shall be final.
- **Long-Term Suspension** - Within fourteen (14) business days after the meeting described above, the Assistant Superintendent/Vice President of Student Services shall, pursuant to a recommendation from the Conduct Officer or designee, decide whether to impose a long-term suspension. Written notice of the Assistant Superintendent/Vice President of Student Services shall be provided to the student. The notice will include the right of the student to request a formal hearing before a long-term suspension is imposed, and a copy of AP 5520 Student Discipline Procedures describing the procedures for a hearing.
- **Expulsion** - Exclusion of the student by the Board of Trustees from all colleges in the District for one or more terms. Within fourteen (14) business days after the meeting described above, the Assistant Superintendent/Vice President of Student Services shall, pursuant to recommendation from the Conduct Officer or designee, decide whether to recommend expulsion to the Board of Trustees. Written notice of the Assistant Superintendent/Vice President's decision shall be provided to the student. The notice will include the right of the student to request a formal hearing before expulsion is imposed, and a copy of AP 5520 Student Discipline Procedures describing the procedures for the hearing.

### Hearing Procedures:

- **Request for Hearing** - Within five (5) business days after receipt of the Assistant Superintendent/Vice President of Student Service's decision regarding a long-term suspension or expulsion, the student may request a formal hearing. The request must be made in writing to the Assistant Superintendent/Vice President of Student Services or designee.
- **Schedule of Hearing** - The formal hearing shall be held within fifteen (15) business days after a formal request for a hearing is received.
- **Hearing Panel** - The Hearing Panel for any disciplinary action shall be composed of at least one administrator, one faculty member, and one student. At the beginning of the academic year, the Superintendent/President, the presidents of the Academic Senate, Management Senate, and Associated Students of Delta College (ASDC) shall each establish a list of at least five (5) persons who may be selected to serve on Hearing Panels. However, no administrator, faculty member, or student who has any personal involvement in the matter to be decided, who is a necessary witness, or who could not otherwise act in a neutral manner shall serve on a Hearing Panel.
- **Hearing Panel Chair** - The Superintendent/President shall appoint one member from the panel to serve as the chair. The decision of the Hearing Panel Chair shall be final on all matters relating to the conduct of the hearing, unless there is a vote by both other members of the panel to the contrary.
- **Conduct of the Hearing** - The members of the Hearing Panel shall be provided with a copy of the accusation against the student and any written response provided by the student before the hearing begins.

The facts supporting the accusation shall be presented by a designated college representative. The college representative and the student may call witnesses and introduce oral and written testimony relevant to the issues of the matter. Formal rules of evidence shall not apply. Any relevant evidence shall be admitted. Unless the Hearing

## POLICIES, PROCEDURES, AND STANDARDS

Panel determines to proceed otherwise, the college representative and the student shall each be permitted to make an opening statement.

Thereafter, the college representative shall make the first presentation, followed by the student. The college representative may present rebuttal evidence after the student completes their evidence.

The burden of proof shall be on the college representative to prove by the preponderance of the evidence that the facts alleged are true.

The student shall represent themselves, and may also have the right to be represented by a person of their choice.

Unless the Hearing Panel determines that a complex legal issue is involved, the student shall not be represented by an attorney. If the student wishes to be represented by an attorney, a request must be presented not less than five (5) business days prior to the date of the hearing. If the student is permitted to be represented by an attorney, the college representative may request legal assistance. The Hearing Panel may also request legal assistance; any legal advisor provided to the panel may sit in an advisory capacity to provide legal counsel but shall not be a member of the panel nor vote with it.

Hearings shall be closed and confidential unless the student requests that they be open to the public. Any such request must be no less than five (5) business days prior to the date of the hearing.

In a closed hearing, witnesses shall not be present at the hearing except while testifying, unless all parties and the panel agree to the contrary.

The hearing shall be recorded by the District either by audio recording or stenographic recording. No other recording of the hearing is permitted. In the event the recording is by audio recording, the Hearing Panel Chair shall, at the beginning of the hearing, ask all persons present who may participate in the hearing to identify themselves by name. No witness who refuses to be recorded will be permitted to testify. Audio recording shall remain in the custody of the District at all times, unless released to a professional transcribing service. The student may request a copy of the audio recording.

All testimony shall be taken under oath. The Hearing Panel Chair shall administer the oath. Written statements of witnesses shall not be admitted as evidence unless the statement is executed under penalty of perjury and the witness is unavailable to testify. A witness who refuses to be audio recorded is not unavailable. Within five (5) business days following the close of the hearing, the Hearing Panel shall prepare and send a written decision to the Superintendent/President.

The decision shall include specific factual findings regarding the accusation, and shall include specific conclusions regarding whether any specific section of the Standards of Student Conduct that were violated. The decision shall also include a specific recommendation regarding the disciplinary action to be imposed, if any. The decision shall be based only on the record of the hearing, and not on matter outside of the record. The records consist of the original accusation, the written response, if any, of the student, and the oral and written evidence produced at the hearing.

- **Long-Term Suspension** - Within five (5) business days following receipt of the panel's recommended decision, the Superintendent/President shall render a final decision. The Superintendent/President may accept, modify, or reject the findings, decisions and recommendations of the Hearing Panel. If the Superintendent/President modifies or rejects the decision, the Superintendent/President shall review the record of the hearing and prepare a written decision which contains factual findings and conclusions. The Superintendent/President's decision is final.
- **Expulsion** - Within five (5) business days following receipt of the Hearing Panel's recommended decision, the Superintendent/President determines that expulsion is the appropriate discipline penalty, the Superintendent/President shall make that recommendation to the Board. The Superintendent/President may accept, modify, or reject the findings, decisions and recommendations of the Hearing Panel. If the Superintendent/President modifies, or rejects the Hearing Panel's decision, they shall review the record of the hearing, and shall prepare a new written decision which contains specific factual findings and conclusions. The Superintendent/President's decision shall be forwarded to the Board of Trustees.
- **The Board of Trustees** - The Board of Trustees shall consider any recommendation from the Superintendent/President for expulsion at the next regular meeting after receipt of the expulsion recommendation. The Board shall consider an expulsion recommendation in closed session, unless the student has requested that the matter be considered in a public session. (Education Code 72122).

The student shall be notified in writing, by registered or certified mail to the address last on file with the District, or by personal service, or by student email, at least six (6) business days prior to the meeting of the date, time and place of the Board's meeting. The student may, within 48 hours after receipt of notice, request that the hearing be held as a

## POLICIES, PROCEDURES, AND STANDARDS

public meeting. Even if a student has requested that the Board consider an expulsion recommendation in a public meeting, the Board will hold any discussion that might be in conflict with the right of privacy of any student other than the student requesting the public meeting in closed session.

The Board may accept, modify, or reject the findings, decisions and recommendations of the Superintendent/President or the Hearing Panel. If the Board modifies or rejects the decision, the Board shall review the record of the hearing and shall prepare a new written decision which contains specific factual findings and conclusions.

The Board's decision shall be final. The final action of the Board on the expulsion shall be taken at a public meeting, and the result of the action shall be a public record of the District.

- **Immediate Interim Suspension (Education Code Section 66017)** - The Superintendent/President in their absence, may order an immediate suspension when they conclude that an immediate suspension is required to protect lives or property and to ensure the maintenance of order. In cases where an interim suspension has been ordered, the time limits contained in these procedures shall not apply, and all hearing rights, including the right to a formal hearing where a long-term suspension or expulsion is recommended, will be afforded to the student.
- **Removal from Class (Education Code Section 76023)** - Any instructor may order a student removed from their class for the day of the removal and the next class meeting. The instructor shall immediately report the removal to the Dean who oversees the department and file an incident report with the Conduct Officer or designee. The Dean shall arrange for a conference between the student and the instructor regarding the removal. If the instructor or the student requests, the Conduct Officer or designee shall attend the conference. The student shall not return to the class during the period of the removal without concurrence of the instructor. Nothing herein will prevent the direct supervisor (dean) from recommending further disciplinary procedures in accordance with these procedures based on the facts which led to the removal.
- **Withdrawal of Consent to Remain on Campus** - The Conduct Officer or designee or District police may notify any person for whom there is a reasonable belief that the person has willfully disrupted the orderly operation of the campus, unless constitutionally protected as defined by AP 3760, that consent to remain on campus as been withdrawn. If the person is on campus at the time, they must promptly leave or be escorted off campus. If consent is withdrawn by the Conduct Officer or designee or the District police department, a written report must be promptly made to the Superintendent/President.

The person from whom consent has been withdrawn may submit a written request for a hearing on the withdrawal within the period of the withdrawal. The request shall be granted not later than seven (7) business days from the date of receipt of the request. The hearing will be conducted in accordance with the provisions of this procedure relating to interim suspensions.

In no case shall consent be withdrawn for longer that fourteen (14) business days from the date upon which consent was initially withdrawn.

Any person who as to whom consent to remain on campus has been withdrawn, or who knowingly reenters while consent has been withdrawn, except to return for a pre-arranged meeting or hearing, is subject to arrest. (Penal Code Section 626.4)

- **Time Limits** - Any times specified in these procedures may be shortened or lengthened if there is a mutual concurrence by all parties.
- **No Disciplinary Action against Complainants or Witnesses in Sexual Assault Investigations** - An individual who participates as a Complainant or witness in an investigation of sexual assault, domestic violence, dating violence, or stalking will not be subject to disciplinary sanctions for a violation of the District's student conduct policy at or near the time of the incident, unless the District determines that the violation was egregious, including, but not limited to, an action that places the health or safety of any other person at risk or involves plagiarism, cheating, or academic dishonesty.  
(AP 5520, 5/16/23)



## Agriculture Transfer and Career Pathway (TrAC)

**Dean of Instruction:** Katrina Johnson León, Ed.D.  
Agriculture TrAC Office  
Holt 140; (209) 954-5230; FAX: (209) 954-3733

**Resource Specialist:** Kimberly Trujillo  
kimberly.trujillo@deltacollege.edu

**Librarian:** Steven Schermerhorn  
steve.schermerhorn@deltacollege.edu

**Farm Lab Manager:**  
Donald Drake  
(209) 239-5814

**Counselor:** TBD

**Faculty:** Kate Gaede, M.B.A., Andrew Griggs, M.Ed.; Robert Halabicky, B.S.; Lindsay Hofsteen, M.S.; Tina Candelo-Mize, M.S.; Fred Swan, B.A.

### Subjects

- Agriculture Business (AGBUS)
- Agriculture Engineering (AGEGR)
- Animal Science (ASCI)
- Culinary Arts (CUL ART)
- Horticulture (HORT)
- Natural Resources (N R)
- Plant Science (PLANT)

### Certificates of Achievement (COA)

- Agriculture Business COA
- Agriculture Business - Animal Science COA
- Agriculture Business - Plant Science COA
- Agriculture Engineering Production Plant - Level 1 Safety COA
- Agriculture Engineering Production Plant - Level 2 Mechanical COA
- Agriculture Mechanics COA
- Baking and Pastry COA
- Culinary Arts COA
- Horticulture - Irrigation Technician COA
- Horticulture - Landscape Arborist COA
- Horticulture - Nursery Management COA
- Horticulture - Sustainable Landscape Management COA
- Hospitality Front of House Essentials COA
- Hospitality Front of House Service Operations COA
- Winery Event Coordinator COA
- Winery Sales and Marketing COA
- Winery Tasting Room Associate COA

### Degrees

- Agriculture Animal Science, AS-T
- Agriculture Business, AS
- Agriculture Business, AS-T
- Agriculture Plant Science, AS-T
- Baking and Pastry, AS
- Culinary Arts, AA
- Advanced Culinary Arts, AS
- Horticulture, AS



## Arts, Humanities, and Multimedia Transfer and Career Pathway (TrAC)

**Acting Dean of Instruction:** Jeff Toney, M.A.

**Arts, Humanities, and Multimedia TrAC Office**

Holt 242; (209) 954-5209 or (209) 954-5211; FAX: (209) 954-3747

**Resource Specialist:**

James Forte  
james.forte@deltacollege.edu

**Counselors:**

Lydia Macy-Luna and Josie Rotert,  
lydia.macy@deltacollege.edu; josie.rotert@deltacollege.edu

**Librarian:**

Lena Zaghmouri  
lena.zaghmouri@deltacollege.edu

Goleman Library  
(209) 954-5139  
FAX: (209) 954-3745

Goleman Library  
Reference/Information Desk  
(209) 954-5145

Goleman Library  
Circulation/Reserve  
Book/Audio-Visual Desk  
(209) 954-5143

Music Lab/Library  
Holt 105  
(209) 954-5250

**Faculty:** Leslie Asfour, B.A.; Kevin Bautch, M.F.A.; Adriana Brogger, M.A.; Gary S. Carlos, M.A.; Shenny Cruces, M.F.A.; Tara Cuslidge-Staiano, M.J.; Greg Foro, M.F.A.; Aaron Garner, M.M.; Valerie Gnassounou, M.A.; Josefina Gomez, J.D.; Brian Kendrick, M.A.; Mario Moreno, M.A.; Daniel Ng, M.L.S.; Kathleen Pereira, B.A.; Kirstyn Russell, M.F.A.; Ruth Santee, M.F.A.; Natalie Sconce, B.S.; Jonathan Singer, M.F.A.; Bruce Southard, D.M.A.; Loren Valterza, Ph.D.; Karen Vance, M.F.A.; Meryl (M.J.) Wamhoff, M.A.; Lena Zaghmouri, M.L.I.S.

### Subjects

- Art (ART)
- Dance (DANCE)
- Digital Media (DMEDIA)
- Dramatic Arts (DRAMA)
- Fashion Merchandising and Design (FASHION)
- Graphic Arts (GRART)
- Interior Design (ID)
- Library (LIBRY)
- Mass Communication (MCOM)
- Music (MUSIC)
- Photography (PHOTO)

### Certificates of Achievement (COA)

- Apparel Industry Sewing COA
- Costume Technician COA
- Digital Imaging Certificate of Completion
- Digital Media Content Entrepreneurship Certificate of Completion
- Digital Media with Emphasis in Audio COA
- Digital Media with Emphasis in Video COA
- Fashion Design Certificate of Achievement
- Fashion Merchandising COA
- Graphic Arts COA
- Graphic Arts - Print Production COA
- Interior Design COA
- Multimedia COA
- Photography COA
- Public Relations COA
- Scenic Artist COA
- Scenic Technician COA
- Social Media COA
- Social Media Strategy Certificate of Completion
- Stage Electrician COA
- Stage Makeup Technician COA
- Stagecraft COA

### Degrees

- Apparel Design, AA
- Art, AA
- Art History, AA-T
- Dance, AA
- Digital Media, AA
- Fashion Merchandising, AS
- Graphic Arts, AA
- Interior Design, AA
- Journalism, AA-T
- Multimedia, AA
- Music, AA
- Music, AA-T
- Photography, AA
- Studio Art, AA-T
- Theatre Arts, AA-T
- Theatre Arts - Acting, AA
- Theatre Arts - Technical Theatre, AA



## Business and Law Transfer and Career Pathway (TrAC)

**Dean of Instruction:** Katrina Johnson León, Ed.D.

**Business and Law TrAC Office**

Holt 140; (209) 954-5230; FAX: (209) 954-3733

**Resource Specialists:**

Claire Kittirath and Kim Trujillo  
claire.kittirath@deltacollege.edu;  
kimberly.trujillo@deltacollege.edu

**Counselors:**

Grant Narita and Cheuyengther Xiong  
grant.narita@deltacollege.edu;  
cheuyengther.xiong@deltacollege.edu

**Librarian:**

Josefina Gomez  
josefina.gomez@deltacollege.edu

**Faculty:** Eric Barajas, M.B.A.; Johnathan Cardiel, M.A.; Kathy Huff, CPA, M.S.; Andrzej Kobylanski, Ph.D.; Alicia Lopez, M.B.A.; Steven McCarty, J.D.; Jennie L. Noriega, M.A.; Lourdes Sanchez, M.B.A.; Martha Villarreal, J.D.; Sunny Williams, M.B.A.

### Subjects

- Business Administration (BUS)
- Business Information Management (BIM)
- Computer Science Applications (CSA)
- Law (LAW)

### Certificates of Achievement (COA)

- Accounting COA
- Accounting Clerk COA
- Administrative Office Assistant I COA
- Administrative Office Assistant II COA
- Administrative Office Executive COA
- Business COA
- Entrepreneurship COA
- International Business COA
- Logistics and Transportation Supervisor COA
- Medical Office Assistant COA
- Merchandising COA
- Municipal Clerk COA
- Paralegal/Legal Assistant Studies COA
- Pre-Law Studies COA
- Real Estate COA
- Real Estate Broker COA
- Real Estate Salesperson COA
- Retail Management COA
- Small Business COA
- Supervision and Management COA
- Tax Preparation COA
- Traffic Shipping and Receiving Technician COA

### Degrees

- Accounting, AS
- Administrative Office Executive Professional/Office Manager, AS
- Business, AS
- Business Administration 2.0, AS-T
- Interdisciplinary Studies, Business Option, AA
- Law, Public Policy, and Society, AA-T
- Logistics and Transportation, AS
- Paralegal/Legal Assistant Studies, AS
- Real Estate, AS
- Retail Management and Merchandising, AS



## Communication and Languages Transfer and Career Pathway (TrAC)

**Dean of Instruction:** Raman Deol, Ph.D.

**Communication and Languages TrAC Office**

Goleman 101; (209) 954-5252 or (209) 954-5139; FAX: (209) 954-3745

**Resource Specialists:**

Marisol Corona and Karina Davalos  
marisol.corona@deltacollege.edu;  
karina.davalos@deltacollege.edu

**Counselors:**

Diane Feneck,  
diane.feneck@deltacollege.edu

**Librarian:**

Loren Valterza  
loren.valterza@deltacollege.edu

**Goleman Learning Center**

1st floor Goleman Library  
(209) 954-5827 or (209) 954-5139

**Math/Science Learning Center**

Science and Math Building 162  
(209) 954-5542

**Faculty:** Ricardo Aguilar-Rodriguez, M.A.; Allen Amundsen, M.A.; Isabel C. Anievas-Gamallo, Ph.D.; Sarah Antinora, Ph.D.; Sheli Ayers, M.A.; Joseph Barrows, M.A.; Tanya Brauer, M.A.; Nicole Brown, M.A.; Kathleen Bruce, M.A.; Ludmila Buettner Ed.D.; Manuel Camacho, M.S.; John Clanton, M.A.; Dana DeMercurio, M.A.; Kathleen Gallup, M.A.; Jordan Giannoni, M.B.A.; Guillermo Giron, M.A.; Valerie Gnassounou, M.A.; Steven Graham, Ed.D.; Mariela Guzman, M.A.; Shelley Hanna, M.A.; Joseph Harrington, M.A.; Phillip Hutcheon, Ph.D.; Julie Jose, M.A.; Nancy Larios Rodriguez, M.A.; Eric MacDonald, M.A.; Gwendolyn Maciel, A.A.; Jessica Morrow, M.A.; Gabrielle Myers, M.A.; Charlene Nunes, M.A.; Laura Ochoa-Sanchez, M.S.; Cassandra Opiela, M.A.; Pamela L. Pan, Ph.D.; Jeff Pressnell, M.A.; Mohammad Samadi, M.Ed.; Nicole Sandoval, M.A.; Paula Sheil, M.A.; Tyffani Upton-Benton, M.A.; Patrick Wall, Ph.D.; Lisa William, Ph.D.; Amber Wolak, M.A.

### Subjects

- Chinese (CHIN)
- Communication Studies (COMM)
- English (ENGL)
- English as a Second Language (ESL)
- French (FREN)
- German (GERM)
- Italian (ITAL)
- Japanese (JAPAN)
- Sign Language (SL)
- Spanish (SPAN)

### Certificates of Achievement (COA)

- Advanced ESL Certificate of Competency
- American Sign Language COA
- Creative Writing COA
- ESL Milestone for Multilingual Speakers: Pathway to Business COA
- ESL Milestone for Multilingual Speakers: Pathway to Electrical Technology COA
- ESL Milestone for Multilingual Speakers: Pathway to Health Careers COA
- High-Intermediate ESL Certificate of Competency
- Low-Intermediate ESL Certificate of Competency
- Noncredit ESL Milestone for Multilingual Speakers - Pathway to Health Careers Certificate of Completion

### Degrees

- American Sign Language, AA
- Communication Studies 2.0, AA-T
- English, AA-T
- French Language, AA
- Spanish Language, AA
- Spanish, AA-T
- World Languages and Global Studies, AA

## Counseling and Special Services Division

**Dean of Student Services:** Andree Thomas, Ed.D.

**General Counseling Center**

DeRicco 234  
(209) 954-5151, ext. 6276  
FAX: (209) 954-3758  
[www.deltacollege.edu/department/counseling-center](http://www.deltacollege.edu/department/counseling-center)

**EOPS/CARE Counseling Center**

DeRicco 234  
(209) 954-5151, ext. 6296  
FAX: (209) 954-3762  
[www.deltacollege.edu/department/eopscare](http://www.deltacollege.edu/department/eopscare)

**Black Excellence and Enrichment Academy  
(B.E.E.) Center**

Danner 204  
(209) 954-5151, ext. 6150  
FAX: (209) 954-3762  
[www.deltacollege.edu/department/affirm-learning-community](http://www.deltacollege.edu/department/affirm-learning-community)

**Career Transfer Center**

**DeRicco Student Services Building**  
(209) 954-5151, ext. 6219  
FAX: (209) 954-3760  
[www.deltacollege.edu/department/career-transfer-center](http://www.deltacollege.edu/department/career-transfer-center)

**DSPS Counseling Center**

DeRicco 110  
(209) 954-5151, ext. 6272  
FAX: (209) 954-3762  
[www.deltacollege.edu/department/disability-support-programs-services](http://www.deltacollege.edu/department/disability-support-programs-services)

**Counseling/South Campus at Mountain House**

Office: 301  
(209) 833-7900

**Faculty:** Yesenia Aldapa, M.Ed.; Stella Alonzo, Ed.D.; Stacey Robles Bagnasco, Ed.D.; Heather Bradford, M.A.; Demille Carpenter, M.S.; John Cavano, MOT; Guadalupe Diaz, M.A.; Diane Feneck, M.S.; Daniel Fernandez, M.S.; Vicky Franco, M.A.; Randolph E. Gaines, M.Ed.; Denise Garza, M.A.; Anita Gautam, M.S.W.; Johana Gonzalez, M.S.; Kelley Graham, M.S.; Alicia Gutierrez, M.S.; Jonathan Harris, M.S.; Jayme Jones, M.A.; Lydia Luna-Macy, M.S.; Pam Muckenfuss, M.S.; Grant Narita, M.S.; Sharmila Nathaniel, M.A.; Rocio Ochoa, M.S.; Becky Plaza, M.S.; Josie Rotert, M.S.; Alina Sala, Ed.D.; Raichelle Strickland, M.S.; Ysaura Suarez, M.S.; Cheuyengther Xiong, Ed.D.

### Subjects

- Adaptive Learning - Transition to Work (ALTW)
- Counseling (COUN)
- Learning Skills (LS)

### Counseling Services

Academic, career, and personal counseling; academic probation and early alert support services; financial aid advising; orientation counseling; development of student education plans; support for student athletes; career assessment and interpretation; transcript review, and services for international students.

### Special Services and Counseling Programs

- A2Mend
- Athletic counseling services
- Black Excellence and Enrichment (B.E.E.) Academy Program
- DSPS Program
- EOPS/CARE Program
- Empowering Positive Initiative for Change (EPIC)
- International Students counseling services
- Middle College High School counseling services
- Native American Success Academy (NASA)
- Pride Learning Community
- Probation counseling services
- Puente Project
- Veteran counseling services

### Career Transfer Center Services

- Career Guidance Courses
- Career Life Planning
- Career Resource Library
- Transfer Services to the 4-year Universities/Colleges



## Health and Fitness Transfer and Career Pathway (TrAC)

**Dean of Instruction:** Lisa Lucchesi, M.S.N.

**Director of Athletics:** Tony Espinoza, M.A.

**Director of Health Sciences:** Gerry Hinayon, DNP

Health and Fitness TrAC Office

Locke 203

(209) 954-5454

FAX: (209) 954-5798

[www.deltacollege.edu/department/health-and-fitness](http://www.deltacollege.edu/department/health-and-fitness)

[www.deltacollege.edu/academics/academic-divisions/health-sciences-division/admissions-health-sciences-programs](http://www.deltacollege.edu/academics/academic-divisions/health-sciences-division/admissions-health-sciences-programs)

Athletics Office

Budd 119

(209) 954-5176

FAX: (209) 954-5696

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

Athletic Learning Center - "The Zone"

Budd 205

(209) 954-5111

**Resource Specialist - Athletics:** Susana Cruz  
[susana.cruz@deltacollege.edu](mailto:susana.cruz@deltacollege.edu)

**Resource Specialist:** Macaria Meza and Taryn Sanders  
[macaria.meza@deltacollege.edu](mailto:macaria.meza@deltacollege.edu),  
[taryn.sanders@deltacollege.edu](mailto:taryn.sanders@deltacollege.edu)

**Counselors:** Heather Bradford, Pam Muckenfuss (Nursing), Rocio Ochoa, and Randy Gaines (Athletics),  
[heather.bradford@deltacollege.edu](mailto:heather.bradford@deltacollege.edu); [pamela.muckenfuss@deltacollege.edu](mailto:pamela.muckenfuss@deltacollege.edu); [rocio.ochoa@deltacollege.edu](mailto:rocio.ochoa@deltacollege.edu); [randy.gaines@deltacollege.edu](mailto:randy.gaines@deltacollege.edu)

**Librarians:** Daniel Ng and Loren Valterza

[daniel.ng@deltacollege.edu](mailto:daniel.ng@deltacollege.edu); [loren.valterza@deltacollege.edu](mailto:loren.valterza@deltacollege.edu)

**Faculty:** Maria Barber, B.S.N.; Gary T. Barlow, M.A.; Ricardo Campos, B.A.; Leslie Clark, M.S.N.; Haley Felkins, M.S.N.; Monica Fuentes-Rodriguez, B.S.; Josette Handy, M.S.; Gary Hyman, M.A.; Gina C. Johnson, M.A.; Amanda Lee Sakoda, M.S.N.; Charlene Lovelace, M.S.N.; Sam Maloy, M.S.N.; Michael Maroney, M.A.; Christine Meagher, M.A.; Becky Melville, D.N.P.; Richard Meza, M.S.N.; Mary Ann Mordaunt, M.A.; Caitlynn Norlander, M.S.; Alida Outman Garcia, M.S.N.; Nicole Porter II, M.S.N.; Benjamin Reece, Ed.D.; Richard Ressa, M.A.; Michael Sandler, B.A.; Lori Riley-Weigel, M.S.N.; Melinda Westland, Ed.D.; Lauryn Seales, M.A.; Peter Shin, M.S.N.; Adrienne Sorenson, M.A.; Nathan Varosh, M.A.; Cheril Wells, M.S.N.

### Subjects

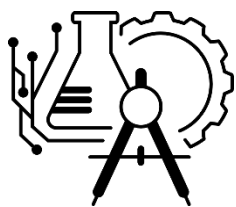
- Athletics (ATH)
- Communication Disorders (COMM DIS)
- Family and Consumer Sciences (FCS)
- Health Education (H ED)
- Health Science (H S)
- Nursing ADN (NURSADN)
- Nursing Psychiatric Technician (NURSPT)
- PE Activity (PEACTIV)
- PE Theory (PETHEORY)
- Radiologic Technology (RAD)

### Certificates of Achievement (COA)

- Fitness Specialist COA
- Nurse Assistant and Home Health Aide Certificate of Completion
- Psychiatric Technician COA
- Radiologic Technology COA
- Speech Language Pathology Assistant Advanced Placement COA

### Degrees

- Family and Consumer Sciences, AS
- Health Science, AS
- Kinesiology, AA-T
- Nursing, AS
- Physical Education, AS
- Psychiatric Technology, AS
- Speech Language Pathology Assistant, AS



## Science, Engineering, Computer Science, and Math Transfer and Career Pathway (TrAC)

**Dean of Instruction:** Bethany Acquistapace

**Science, Engineering, Computer Science, and Math TrAC Office**

Science and Mathematics 338

(209) 954-5354

**Resource Specialists:**

Rosemary Rodriguez, Veronica Brown

rosemary.rodriguez@deltacollege.edu; veronica.brown@deltacollege.edu

**Counselors:**

Daniel Fernandez, Vicky Franco, Jayme Jones

daniel.fernandez@deltacollege.edu; vicky.franco@deltacollege.edu;

jayme.jones@deltacollege.edu

**Faculty:** Amir Assadi-Rad, Ph.D.; Kindra Beale, M.A.; Scott Bender, M.A.; Savita Bhagi, Ed.D.; Daniel Birmingham, Ph.D.; Joshua Bradley, M.S.; Darin Brown, Ph.D.; Jason Broyles, M.A.; Nick Bykov, Ph.D.; Anthony Chuma, Ph.D.; Elizabeth Day, Ph.D.; Mary Ellison, Ph.D.; Sherrie Gallipeau, Ph.D.; Alla Gamarnik, Ph.D.; Patricia Hammer, M.A.; Nena Hewette, M.S.; Rajanpreet Kaur, M.S.; Christopher Kim, Ph.D.; Robert Knudsen, Ph.D.; Jacek Kostyrko, M.S.; Khanh-Tuoc Le, Ph.D.; Suzanne Lindborg, Ph.D.; Van Ma, M.S.; Master Anthony Maumalanga, M.S.; Anthony Pacheco, M.S.; Vanessa Rangel, Ph.D.; Alicia Ricardez, Ph.D.; Jacquelynn Schwegel, M.S.; Gurmukh Singh, M.S.; Dustin Tsai, Ph.D.; Paul Ustach, Ph.D.; Christopher Williams, M.A.; Danielle Yancey, Ph.D.; Li Zhang, Ph.D.

**MESA Director:**

Cassandra Hernandez

Science and Mathematics 163

(209) 954-5318

**Librarian:**

Steve Schermerhorn

steve.schermerhorn@deltacollege.edu

### Subjects

- Astronomy (ASTRO)
- Biology (BIOL)
- Chemistry (CHEM)
- Computer Science (CS)
- Computer Science Cybersecurity (CSC)
- Computer Science Networking (CSN)
- Computer Science Programming (CSP)
- Computer Science Web Design (CSW)
- Engineering (ENGR)
- Geography (GEOG)
- Geology (GEOL)
- Mathematics (MATH)
- Physical Science (PHSCI)
- Physics (PHYSC)
- Statistics (STAT)

### Certificates of Achievement (COA)

- Computer Networking Competence COA
- Computer Networking Essentials COA
- Computer Networking Software COA
- Computer Operations COA
- Computer Programming COA
- Computer Programming Competence COA
- Computer Programming Essentials COA
- Computer Science COA
- Computer Support COA
- Computer Support Technician COA
- Computer Web Developer COA
- Computer Web Developer Technician COA

### Degrees

- Computer Information Systems, AS
- Computer Science, AS
- Computer Science, AS-T
- Engineering - Civil, AS
- Engineering - Computer, AS
- Engineering - Electrical, AS
- Engineering - Mechanical, Aeronautical, and Manufacturing, AS
- Geology, AS-T
- Interdisciplinary Studies, Mathematics and Science Option, AS
- Mathematics, AS-T
- Physics, AS-T



## Social Science, Education, and Public Service Transfer and Career Pathway (TrAC)

**Dean of Instruction:** Daryl Arroyo, Ph.D.

**Director of Peace Officer Standards and Training (POST):** Tammie Murrell, M.A.

**POST Academy Coordinator:** Jeff Coon, B.S. (Intensive Academy), Leticia Infante (Extended Academy)

Social Science, Education, and Public Service TrAC Office  
Budd 319  
(209) 954-5262

**Resource Specialists:** Cristie Bryant, Aerika Angelotti, and Ariana Paniagua  
cristie.bryant@deltacollege.edu;  
aerika.angelotti@deltacollege.edu;  
ariana.paniagua@deltacollege.edu

**Librarian:** Daniel Ng  
daniel.ng@deltacollege.edu

**Counselors:** Stacey Bagnasco, Sharmila Nathaniel, Ysaura Suarez  
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### Subjects

- Administration of Justice (AJ)
- Anthropology (ANTHR)
- Civilization (CIVIL)
- Early Childhood Education (ECE)
- Economics (ECON)
- Education (EDUC)
- Ethnic Studies (ETHNS)
- History (HIST)
- Humanities (HUM)
- Philosophy (PHILO)
- Political Science (POLS)
- Psychology (PSYC)
- Religion (RELGN)
- Sociology (SOCIO)

### Certificates of Achievement (COA)

- Basic Peace Officer Academy COA
- Correctional Science COA
- Early Childhood Education Associate Teacher COA
- Early Childhood Education Master Teacher COA
- Early Childhood Education Site Supervisor COA
- Early Childhood Education Teacher COA
- ECE Administration and Adult Supervision Add On COA
- Law Enforcement COA
- Mental Health Specialist COA
- Paraprofessional Preparation COA
- Substance Abuse Counselor COA

### Degrees

- Administration of Justice, AS-T
- Anthropology, AA-T
- Correctional Science, AS
- Early Childhood Education, AA
- Early Childhood Education, AS-T
- Elementary Teacher Education, AA-T
- History, AA
- History, AA-T
- Interdisciplinary Studies, Arts, Humanities, and Social Sciences Option, AA
- Law Enforcement, AS
- Modern Policing, AS
- Police Science, AS
- Political Science, AA-T
- Psychology, AA
- Psychology, AA-T
- Social Justice Studies, AA-T



## Technical Careers and Trades Transfer and Career Pathway (TrAC)

**Dean of Instruction:** Katrina Johnson León, Ed.D.

**Technical Careers and Trades TrAC Office**  
Holt 140; (209) 954-5230; FAX: (209) 954-3733

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### Subjects

- Architectural Drafting (ARCH)
- Automotive Body (AUTOBODY)
- Automotive Mechanics (AUTOMECH)
- Caterpillar: Apprenticeship (CAT)
- Computer Network Technology (CNT)
- Construction Technology: Apprenticeship (A-CON)
- Diesel Technology (DIESL)
- Electrical Technology (ELEC)
- Electrical Technology: Apprenticeship (A-ELE)
- Electron Microscopy (E M)
- Electronics Technology (ELECT)
- Engineering Technology (E TECH)
- Heating, Air Conditioning, and Refrigeration (HVACR)
- Industrial Technology (INDUS)
- Industrial Technology: Apprenticeship (A-IND)
- Machining Technology (MACH)
- Mechanical Technology: Apprenticeship (A-MEC)
- Welding (WELDING)

### Certificates of Achievement (COA)

- Architectural Drafting COA
- Automation Technician - Mechatronics COA
- Auto Body Basic Repair and Restoration COA
- Auto Body Intermediate Repair and Restoration COA
- Auto Body Advanced Repair and Restoration COA
- Automotive Electric Technology COA
- Automotive Lubrication Technician COA
- Automotive Master Technician COA
- Automotive Mechanics Technology COA
- Basic Electronics Technician COA
- Caterpillar Dealer Engine Technician Apprenticeship COA
- Caterpillar Dealer Service Technician Apprenticeship COA
- Computer Network Security Technician COA
- Computer Network Technician COA
- Computer Numerical Control (CNC) Operator/Programmer COA
- Control Systems Technician Certificate of Completion
- Diesel Automotive Equipment Technician COA
- Diesel Bus Technician COA
- Diesel Equipment Technician COA
- Electrical Technology - Electrical Maintenance COA
- Electrical Technology - Apprenticeship COA
- Electrical Technology - General Electrician Trainee COA
- Electron Microscopy - Biological COA
- Electron Microscopy - Crystalline Material COA
- Electronics Technology COA
- Engineering Computer-Aided Drafter COA
- Engineering Fundamentals COA
- Engineering Technology COA
- Fluid Power and Automation Technology COA
- Gas Metal Arc Welding (GMAW)/Flux Core Arc Welding (FCAW) COA
- Gas Tungsten Arc Welding (GTAW) COA
- Heating and Air Conditioning COA
- Heavy Equipment Mechanic COA
- Heavy Equipment Technician COA
- Industrial Technology - Level I COA
- Industrial Technology - Level II - Mechanical COA
- Industrial Technology - Electrical Apprenticeship COA
- Industrial Technology - Maintenance Apprenticeship COA
- Industrial Technology - Mechanical Apprenticeship COA
- Industrial Technology - Operations Apprenticeship COA

## TECHNICAL CAREERS AND TRADES TRANSFER AND CAREER PATHWAY (TrAC)

- Manual Machining COA
- Oxy-Fuel Processes and Shielded Metal Arc Welding (SMAW) COA
- Power Performance and Data Collecting COA
- Refrigeration COA
- Solar Photovoltaic Installation Technician COA
- Welding Technology COA

## Degrees

- Architectural Drafting, AS
- Automation Technology - Mechatronics, AS
- Automotive Technology, AS
- Caterpillar Dealer Service Technician Apprenticeship, AS
- Computer Network Security Technician, AS
- Computer Network Technician, AS
- Diesel Equipment Technician, AS
- Electrical Technology, AS
- Electrical Technology - Apprenticeship, AS
- Electron Microscopy - Biological, AS
- Electron Microscopy - Materials, AS
- Engineering Computer Aided Drafting, AS
- Engineering Technology, AS
- Fluid Power and Automation Technology, AS
- Heating and Air Conditioning, Refrigeration, AS
- Heavy Equipment Technician, AS
- Machining Technology, AS

## Course Information

### Course Equivalence

To view course equivalencies, please see the online catalog at [catalog.deltacollege.edu](http://catalog.deltacollege.edu). Course equivalencies are available on the Course Information page.

### Course Numbering

**Common Course Numbering** — The Common Course Numbering (CCN) System is a state-mandated initiative (AB 1111) aimed at simplifying student transfer and ensuring uniformity in course numbers across California Community Colleges. In compliance with AB 1111, several CSU- and UC-transferable courses have been updated with revised CCN prefixes, numbers, and titles. Courses identified as common contain a "C" in their catalog numbers, and some subject area prefixes have changed to align with statewide standards (e.g., ENG 1A is now ENGL C1000).

Below are the courses included in Phase 1:

Former Delta Course and Title	Current CCN Course and Title
COM ST 1A Public Speaking	COMM C1000 Introduction to Public Speaking
ENG 1A Reading and Composition	ENGL C1000 Academic Reading and Writing
ENG 2A Reading and Composition with Support	ENGL C1000E Academic Reading and Writing Embedded Support
ENG 1D Advanced Composition and Critical Thinking	ENGL C1001 Critical Thinking and Writing
POLSC 1 American Government and Institutions	POLS C1000 American Government and Politics
POLSC 1H Honors American Government and Institutions	POLS C1000H American Government and Politics Honors
PSYCH 1 Introduction to Psychology	PSYC C1000 Introduction to Psychology
STATS 12 Introduction to Probability and Statistics	STAT C1000 Introduction to Statistics
STATS 12EX Introduction to Probability and Statistics	STAT C1000E Introduction to Statistics Embedded Support

**Transfer Credit** — In accordance with Executive Order No. 167 issued by the Chancellor of the California State University on January 26, 1973, courses numbered 1 through 69, recommended by the faculty of San Joaquin Delta College, and designated as baccalaureate in nature shall be accepted by any campus of the California State University (CSU). Those courses are indicated by the initials "CSU" at the end of the course description. Courses that are transferable to the University of California (UC) are indicated by the initials "UC" at the end of the course description. Courses that are deemed transferable to the California State University and the University of California will also be accepted by the Historically Black Colleges and Universities. Those courses are indicated by the initials "HBCU" at the end of the course description.

**Associate Degree Credit Courses** — All courses numbered 1 through 69 and some courses numbered 70 through 99 may be applied toward the associate degree.

**Non-Degree Credit Courses** — Some courses numbered 70 through 99 are credit courses but may not be applied toward the associate degree or baccalaureate degree. Those courses are indicated as such in the catalog description.

**Non-Credit Courses** — Courses numbered 100 or higher are non-credit, not degree applicable, and do not transfer

### Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California Community Colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to [www.assist.org](http://www.assist.org) to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

## COURSE INFORMATION

Students may consult the C-ID Courses database at [c-id.net/courses](http://c-id.net/courses) for specific information on C-ID course designations. Counselors can always help students interpret or explain this information.

### Cross-Listed Courses

Cross-listed courses contain identical curriculum/course requirements. The following courses are cross-listed, existing in more than one discipline of the college:

Course	Cross Listed Course	Course	Cross Listed Course	Course	Cross Listed Course
AGEGR 74	AUTOMECH 74	FASHION 21	ID 21	LAW 35A	POLSC 35A
ANTHR 4	HUM 4	FCS 19	H S 19	PLANT 40	CUL ART 31
AUTOMECH 74	AGEGR 74	H S 19	FCS 19	POLSC 35A	LAW 35A
BIOL 30	PSYCH 30	HUM 3	CIVIL 3	PSYCH 30	BIOL 30
BUS 33	LAW 33	HUM 4	ANTHR 4	PSYCH 45A	SOCIO 45A
CIVIL 3	HUM 3	ID 6	FASHION 6	PSYCH 45B	SOCIO 45B
CUL ART 31	PLANT 40	ID 18	FASHION 18	SOCIO 45A	PSYCH 45A
FASHION 6	ID 6	ID 19	FASHION 19	SOCIO 45B	PSYCH 45B
FASHION 18	ID 18	ID 21	FASHION 21		
FASHION 19	ID 19	LAW 33	BUS 33		

## Course Descriptions

A complete list of San Joaquin Delta College courses is provided. In addition to being held on the Stockton campus, many of these courses are offered online, as hybrid classes, and at regional sites such as the South Campus at Mountain House. Please visit the current online Schedule of Classes for details.

### Adaptive Learning Transition to Work

#### ALTW 131 Adaptive Learning- Transition to Work-Reading

**Units:** 0

**Hours:** 36 hours LAB

**Grade Options:** No Grade  
Associated

**Term Typically Offered:** Every  
term

This non-credit course assists students in developing the survival reading skills necessary for successful, independent and semi-independent living. Areas of study: basic reading and comprehension skills and recognition of community based information including signs, menus and calendars. Basic writing and composition skills are also included.

#### ALTW 132 Adaptive Learning- Transition to Work-Math

**Units:** 0

**Hours:** 36 hours LAB

**Grade Options:** No Grade  
Associated

**Term Typically Offered:** Every  
term

This non-credit course provides the basic survival mathematical skills necessary for successful independent and semi-independent living. Areas of study include: number recognition, budgeting, money handling and practical applications.

#### ALTW 133 Adaptive Learning- Transition to Work-Community Integration

**Units:** 0

**Hours:** 54 hours LAB

**Grade Options:** No Grade  
Associated

**Term Typically Offered:** Every  
term

This non-credit course assists students in being able to travel within their communities with minimal dependence upon others. Students develop appropriate work behavior and attitudes, learn conflict management and pro-active problem-solving skills in an entry level job environment. Simulated experiences in the classroom will be combined with training in the

neighborhood and community at large.

#### ALTW 134 Adaptive Learning- Transition to Work-Health Education

**Units:** 0

**Hours:** 54 hours LAB

**Grade Options:** No Grade  
Associated

**Term Typically Offered:** Every  
term

This non-credit course provides an overview of health related issues, including basic nutrition, weight control, exercise, sexually transmitted diseases, and hygiene. The course includes health risks associated with obesity, behavior modification techniques to improve healthy choices, and the importance of exercise and activity in health management.

### Administration of Justice

#### AJ 15 Selected Topics: Administration of Justice

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Administration of Justice not already covered by the existing curriculum. (CSU)

#### AJ 21 Criminal Justice in Society

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade  
**General Education:** Delta Areas 5 & 6; CSU Area D

**Term Typically Offered:** Every  
term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course introduces students to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations 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, and sentencing and incarceration policies. (HBCU, UC, CSU, C-ID AJ 110)

#### AJ 22 Concepts of Criminal Law

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every  
term

**Prerequisites:** AJ 21 Criminal Justice in Society with a grade of "C" or better.

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

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 courses will build. The course will also include some limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crimes. (UC, CSU, C-ID AJ 120)

#### AJ 23 Principles and Procedures of the Justice System

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every  
term

**Advisories:** AJ 21 with a grade of "C" or better.

This course provides an examination and analysis of due process in criminal proceedings

## COURSE DESCRIPTIONS

from pre-arrest through trial and appeal utilizing statutory law and state and constitutional law precedents. (CSU, C-ID AJ 122)

### **AJ 24 Legal Aspects of Evidence**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** AJ 23 with a grade of "C" or better.

This course examines categories of evidence and legal rules governing its admission and exclusion in the criminal process. (CSU, C-ID AJ 124)

### **AJ 25 Criminal Investigation**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** AJ 21 with a grade of "C" or better.

This course addresses the techniques, procedures, and ethical issues in the investigation of crime, including organization of the investigative process, crime scene searches, interviewing and interrogating, surveillance, source of information, utility of evidence, scientific analysis of evidence and the role of the investigator in the trial process. (CSU, C-ID AJ 140)

### **AJ 28 Juvenile Law and Procedures**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is an examination of the origin, development, and organization of the Juvenile Justice System as it evolved in the American Justice System. The course explores the theories that focus on Juvenile Law, courts and processes, and the constitutional protections extended to juveniles administered in the American Justice System. (CSU, C-ID AJ 220)

### **AJ 30 Critical Issues in the Justice System**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** AJ 21 Criminal Justice in Society with a grade of "C" or better.

This course focuses on critical issues in the criminal justice system. It is designed to bring professional practitioners and qualified experts into the classroom to interact with students. This course provides a pathway through the complex hiring process; students will learn job search techniques, resume preparation, interviewing skills, and background checks proficiency. The intent of the course is to provide an arena for the student to develop critical thinking and problem-solving skills toward critical issues in the justice system. The primary critical issue for this course is the crisis public safety/law enforcement agencies are experiencing in the recruitment and retention of employees. Lesser topics include community policing, the courts, decriminalization of drugs, plea bargaining, gangs profiling, terrorism, and domestic violence. (HBCU, CSU)

### **AJ 31 Report Preparation**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to the practical aspects of gathering, organizing, and preparing written reports for law enforcement and correctional activities on local, state, and federal levels. The course includes the techniques of communicating facts, information, and ideas effectively in a simple, clear, and logical manner for various types of criminal justice system reports, letters, memoranda, directives, and administrative reports. The student gains practical experience in note-taking, report writing, and presenting testimony in court. (CSU)

### **AJ 40 Community Relations**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

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 prospects of administering justice within a diverse multicultural population. Topics may include the consensus and conflicting values in culture, religion, and law. (UC, CSU, C-ID AJ 160)

### **AJ 41 Narcotics Investigation and Control**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to provide the student with an introduction to the identification of narcotics and dangerous drugs, contraband, investigation problems, laws, the impact of drug use on the community, and methods relating to the suppression and prosecution of narcotics and dangerous drug violations. (CSU)

### **AJ 50SS Special Studies: Administration of Justice**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** AJ 21 Criminal Justice in Society or AJ 51 Introduction to Correctional Science in America with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. and finger printing & Criminal Record Clearance.

This course is open to any student who wishes to do advanced work in the field of administration of justice. The course may include research, directed reading, field work, class work, or advanced study which must be arranged and approved by the instructor and the dean before enrolling in the course. (CSU)

### **AJ 51 Introduction to Correctional Science in America**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course provides an overview of

## COURSE DESCRIPTIONS

both the adult and juvenile corrections systems in the United States. The topics in this course include a focus on the legal issues, specific laws, and general operation of correctional institutions, and an introduction to probation and parole supervision. The relationship between corrections and other components of the criminal justice system is also examined. (CSU, C-ID AJ 200)

### **AJ 53 Correctional Interviewing and Interventions**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an overview of the techniques in interviewing and interventions available to practitioners in corrections. The student demonstrates the use of appropriate techniques and theories in confidence-building which may be used by the correctional employee in client interviews. This is a basic course for the student who is planning to enter or who is already employed within the correctional science field. (CSU)

### **AJ 54 Introduction to Probation and Parole**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to provide an introduction to the structure and functions of probation as a judicial process and parole as an executive function. Comparisons of the correctional process concerned with the evaluation, treatment, and control of offenders are made. (HBCU, CSU)

### **AJ 55 Control and Supervision in Corrections**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Advisories:** AJ 51 with a grade of "C" or better.

This course is an overview of supervision and control of inmates in local, state, and federal correctional institutions. The issues of supervision and control in a continuum from institutional daily living through crisis situations are introduced and discussed. The

course emphasizes the role played by the offender and the correctional worker. Topics include inmate subculture, violence, effects of crowding on inmates and staff, and coping techniques for correctional officers in a hostile prison environment. The causes and effects of abusive tactics are discussed. (CSU)

### **AJ 57 Legal Aspects of Corrections**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** AJ 51 with a grade of "C" or better.

This course is designed to provide the student with an awareness of the historical framework, concepts, and precedents that guide correctional practice. The course addresses the individual's perspective of the corrections environment, the civil rights of prisoners, and the responsibilities and the liabilities of corrections officials. (CSU)

### **AJ 89A Arrest and Control: Penal Code 832**

**Units:** .5

**Hours:** 40 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

This course is designed to provide the student with an introductory overview of the law enforcement profession in the State of California. Completion of the course requires the student to demonstrate the principles of arrest and control using control techniques and handcuffs. This course satisfies the Commission on Peace Officer Standards and Training (POST) academic training requirements for California Penal Code Section 832. Units earned in this course do not count toward the associate degree.

### **AJ 90 Selected Topics: Administration of Justice**

**Units:** 0.5-4

This course is designed to offer instruction in one or more of the specialized areas of administration of justice not already covered by the existing curriculum. Units in this course do not count toward an associate degree.

### **AJ 92V Work Experience:**

#### **Correctional Science**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

#### **Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student participating in an occupational work experience or internship in correctional science. Application of discipline-related skills and knowledge are emphasized. Each student is engaged in specific on-the-job learning activities under the supervision of a work site supervisor and a college work experience instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140.

### **AJ 94 Peace Officer Academy Orientation**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

#### **Limitations on Enrollment:**

Successful passage of Academy testing and examination process. Passing of the POST Academy Entry Exam.

This course is designed to familiarize the student with the Peace Officer Standards and Training (P.O.S.T.) Peace Officer Academy training program and provide a better understanding of the requirements and commitments that must be considered.

### **AJ 95A Basic Police Academy Module III**

**Units:** 6.5

**Hours:** 90 hours LEC; 90 hours LAB

**Grade Options:** Letter Grade Only; No Incomplete

**Prerequisites:** AJ 94 Peace Officer Academy Orientation with a grade of "C" or better.

**Limitations on Enrollment:** Finger printing & Criminal Record Clearance. No felony convictions or legal mandates that restrict or prohibit employment as a law

## COURSE DESCRIPTIONS

enforcement officer. Passage of academy testing and examination process which includes entry-level written examination, submission of medical examination, fingerprints, and a felony disclaimer.

This course is designed for basic entry-level training for the student preparing for a position as a Level III (3) Reserve Officer, full time Peace Officer. The course is certified by the State of California Commission on Peace Officer Standards and Training (POST). Upon successful completion, the student will be eligible to enroll in AJ 95B.

### **AJ 95B Basic Police Academy Module II**

**Units:** 9

**Hours:** 126 hours LEC; 126 hours LAB

**Grade Options:** Letter Grade Only; No Incomplete

**Prerequisites:** AJ 95A Basic Police Academy Module III with a grade of "B" or better.

**Limitations on Enrollment:** Finger printing & Criminal Record Clearance. No felony convictions or legal mandates that restrict or prohibit employment as a law enforcement officer. Passage of academy testing and examination process which includes entry-level written examination, submission of medical examination, fingerprints, and a felony disclaimer.

This course is designed for basic entry-level training for the student preparing for a position as a Level II (2) Reserve Officer, full time Peace Officer. This course is certified by the State of California Commission on Peace Officer Standards and Training (POST). Upon successful completion, the student will be eligible to enroll in AJ 95C.

### **AJ 95C Basic Police Academy Module I**

**Units:** 20

**Hours:** 270 hours LEC; 270 hours LAB

**Grade Options:** Letter Grade Only; No Incomplete

**Prerequisites:** AJ 95B Basic Police Academy Module II with a grade of "B" or better.

**Limitations on Enrollment:** Finger printing & Criminal Record Clearance. No felony convictions or legal mandates that restrict or prohibit employment as a law enforcement officer. Passage of academy testing and examination process which includes entry-level

written examination, submission of medical examination, fingerprints, and a felony disclaimer.

This course is designed for basic entry-level training for the student preparing for a position as a Level I (1) Reserve Officer, full time Peace Officer, or Deputy Sheriff. The course is certified by the State of California Commission on Peace Officer Standards and Training (POST). Upon successful completion, the student receives a Certificate of Achievement of the Basic Peace Officer Academy and is certified by the State of California Department of Justice.

### **AJ 196A Basic Public Safety Dispatcher Module I**

**Units:** 0

**Hours:** 90 hours LAB

**Grade Options:** Pass/No Pass

This is the first of two noncredit courses which satisfy the Peace Officer Standards and Training (POST) requirement for entry-level public safety dispatchers who have no prior training or limited experience. The course will introduce students to the criminal justice system, criminal law, public safety professionalism and ethics, telephone technology, interpersonal communication and Community Policing. Students will learn the appropriate handling of specific types of incidents such as missing persons, domestic violence and child, elder, and dependent adult abuse cases. Noncredit courses may be repeated.

### **AJ 196B Basic Public Safety Dispatcher Module II**

**Units:** 0

**Hours:** 90 hours LAB

**Grade Options:** Pass/No Pass

**Prerequisites:** AJ 196A Basic Public Safety Dispatcher Module I with a grade of "P" or better. This is the second of two noncredit courses which satisfy the Peace Officer Standards and Training (POST) requirement for entry-level public safety dispatchers who have no prior training or limited experience. This course will introduce students to radio technology/procedures, critical incidents, wellness management, mental health conditions and intellectual/developmental disabilities awareness, human trafficking, terrorism/extremist group awareness, cultural diversity, hate crimes, and gang awareness.

Noncredit courses may be repeated.

## **Agriculture Business**

### **AGBUS 5 Introduction to Agriculture Business**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course provides a basic understanding of the business and economics of the agricultural industry; an introduction to the economic aspects of agriculture and their implications to the agricultural producer, consumer and the food system; management principles encountered in the day to day operation of an agricultural enterprise as they relate to the decision making process. (CSU, C-ID AG -AB 104)

### **AGBUS 10 Agricultural Accounting**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

The study of the principles of agricultural accounting systems and types of records, their use and how to compute and use measures of earnings and cost of production to improve agribusiness efficiency. Farm income tax, Social Security, and employee payroll records also included. Application of these concepts and methods through hands-on projects developing computer-based solutions for agriculture business. (CSU, C-ID AG - AB 128)

### **AGBUS 12 Agricultural Economics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D

**Term Typically Offered:** Every term

The place of agriculture and farming in the economic system; basic economic concepts, and problems of agriculture; pricing and marketing problems, factors of production; and state and federal farm programs affecting the farmer's economic position. (HBCU, UC, CSU, C-ID AG - AB 124)

### **AGBUS 15 Agribusiness Computer Applications**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is a study of computer use in the workplace with emphasis on agribusiness situations. Computer applications including word-processing, spreadsheets, databases, and presentation managers will be covered. The course also includes accessing information through the Internet and World Wide Web, telecommunications, an introduction to web page design and other software appropriate to agribusiness. Application of these concepts and methods will occur through hands-on projects developing computer-based solutions for agriculture business. (CSU, C-ID AG-AB 108)

### **AGBUS 17 Leadership in Agriculture**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course provides students with applied learning opportunities designed to promote personal growth and leadership development in agriculture. Practicum activities provide a structured environment for students to: apply problem solving strategies to real world applications; develop effective team-working and collaboration skills; demonstrate the capacity to effectively plan, coordinate, and facilitate an event or activity; utilize effective communication skills in a variety of different settings. (CSU)

### **AGBUS 46 Agricultural Sales and Communications**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is a study of principles and practices of the selling process: selling strategies and approaches, why and how people buy, prospecting, territory management, and customer service. Self-management, communication, and interpersonal skills necessary in

developing managerial abilities, leadership qualities, and facilitating teamwork within the agribusiness sector will be explored. The course content is organized to give students an in-depth understanding of the factors and influences that affect the agribusiness industry on a day-to-day basis. Application of these concepts and methods will occur through hands-on projects developing solutions for agriculture business. (CSU, C-ID AG-AB 112)

### **AGBUS 49 Selected Topics: Agriculture Business**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Agriculture Business not already covered by the existing curriculum. (CSU)

### **AGBUS 50SS Special Studies: Agriculture Business**

**Units:** 1-4

**Hours:** 48-216 hours INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is open to the student qualified to do advanced work in the field. The course may include research, directed reading, field work, or other advanced study. (CSU)

### **AGBUS 69V Internship: Agricultural Business**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:** Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course must be taken concurrently or may have been taken in the semester immediately prior. This course is designed for the student participating in an occupational internship in

agricultural business. Application of discipline-related skills and knowledge are emphasized. Each student is engaged in a specific research project or on-the-job learning activities under the supervision of a work site supervisor and a college internship instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. (HBCU, CSU)

### **AGBUS 75 Selected Topics: Agriculture**

**Units:** 0.5-4

This course is designed to offer instruction in one or more of the specialized areas of agriculture not already covered by the existing curriculum.

### **AGBUS 96V Work Experience: Agricultural Business**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:** Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior. This course is designed for the student employed in agricultural business. The course objectives are developed by the students in consultation with their supervisor. Students are engaged in on-the-job learning activities under the supervision of a work site supervisor and a college work experience instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140.

## **Agriculture Engineering**

### **AGEGR 15 Selected Topics: Agriculture Engineering**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Agriculture Engineering not already

## COURSE DESCRIPTIONS

covered by the existing curriculum. (CSU)

### **AGEGR 30C Industrial Equipment: Electrical and Electronic Systems**

**Units:** 4.5

**Hours:** 54 hours LEC; 90 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is designed to instruct the student to analyze and repair electrical problems found on industrial and commercial engines and equipment. (HBCU, CSU)

### **AGEGR 33 Equipment Maintenance and Operation**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

This course is the study of safe operation and maintenance of agricultural equipment, including but not limited to tractors, forklifts, sprayers, implements, pumps, weed eaters, and chainsaws. Safety, inspections, preventive maintenance, adjustments, minor repairs, and servicing of equipment are emphasized. (CSU)

### **AGEGR 74 Basic Engines**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to the fundamentals of two-stroke and four-stroke engines in relationship to oils, lubrication, safety inspections, precision measurements, and related mathematics. Since AGEGR 74 and AUTOMECH 74 are cross listed courses, credit may be awarded for either AGEGR 74 or AUTOMECH 74 but not both.

### **AGEGR 75 Selected Topics: Agricultural Engineering**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Agricultural Engineering not already covered by the existing curriculum.

### **AGEGR 88 Alternative Fuels, Electric, and Hybrid Diesel for Heavy Equipment Vehicle Technology**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to provide technical information and develop skills and understanding on how alternative fuels, electric, and hybrid systems operate. Students will learn safe handling, diagnosis and basic trouble-shooting of these systems.

### **AGEGR /AUTOMECH 74 Basic Engines**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Term Typically Offered:** Every term

This course is an introduction to the fundamentals of two-stroke and four-stroke engines in relationship to oils, lubrication, safety inspections, precision measurements, and related mathematics. Since AGEGR 74 and AUTOMECH 74 are cross listed courses, credit may be awarded for either AGEGR 74 or AUTOMECH 74 but not both.

## **Animal Science**

### **ASCI 10 Principles of Animal Science**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B2

**Term Typically Offered:** Every term

This course is a scientific approach to the livestock industry encompassing aspects of animal anatomy, physiology, nutrition, genetics and epidemiology. Emphasis is placed on the origin, characteristics, adaptations and contributions of livestock to the modern agriculture industry. (HBCU, UC, CSU, C-ID AG-AS 104)

### **ASCI 10L Principles of Animal Science Laboratory**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** CSU Area B2

**Term Typically Offered:** Every term

**Prerequisites:** ASCI 10 Principles of Animal Science with a grade of

"C" or better.

**Corequisites:** ASCI 10.

This course is designed to provide an introduction to the empirical methods including data collection and analysis as well as an investigation of the basic management concepts associated with animal science. (HBCU, UC, CSU)

### **ASCI 11A Introduction to Livestock Evaluation**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every fall term

This course is designed to introduce the student to the basic factors involved in evaluation and selection of beef, sheep, goats, swine and horses concerning functional and economic value. The visual appraisal of live animals and carcasses combined with production records are used to determine the practical usefulness and productivity of livestock and horses. Written and oral summaries of evaluation will be learned. (UC, CSU)

### **ASCI 15 Selected Topics: Animal Science**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Animal Science not already covered by the existing curriculum. (CSU)

### **ASCI 19 Feeds and Feeding**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** ASCI 10 Principles of Animal Science with a grade of "C" or better and successful completion of Prealgebra or appropriate placement as determined by the college's multiple measures assessment process. This course covers the science of animal nutrition as the basis for livestock feeding and nutrition. The fundamentals of digestion and absorption in both ruminants and non-ruminants are discussed. The nutritive value of feeds as they relate to the formulation of livestock rations will be emphasized including

## COURSE DESCRIPTIONS

by-product feeding. (CSU, C-ID AG-AS 132L)

### **ASCI 25A Introduction to Livestock Presentation**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to prepare the student to apply animal husbandry practices and procedures, as applied to various species of livestock, to shows and sales. Emphasis will be placed on animal handling techniques, grooming and fitting of livestock, showmanship skill development, animal health management, show and sale rules and entry procedures, and marketing of animals. Students may be required to participate in an intercollegiate livestock show competition and at least one marketing event. The planning and purchase of feeder animals are covered. (CSU)

### **ASCI 25B Beginning Livestock Presentation**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ASCI 25A

Introduction to Livestock Presentation with a grade of "C" or better.

This course is designed to prepare the student to apply animal husbandry practices and procedures, as applied to various species of livestock, to shows and sales. Emphasis will be placed on animal handling techniques, grooming and fitting of livestock, showmanship skill development, animal health management, show and sale rules and entry procedures, and marketing of animals. Students may be required to participate in an intercollegiate livestock show competition and at least one marketing event. The planning and purchase of feeder animals are covered. (CSU)

### **ASCI 25C Intermediate Livestock Presentation**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every

term

**Prerequisites:** ASCI 25B

Beginning Livestock

Presentation with a grade of "C" or better.

This course is designed to prepare the student to apply animal husbandry practices and procedures, as applied to various species of livestock, to shows and sales. Emphasis will be placed on animal handling techniques, grooming and fitting of livestock, showmanship skill development, animal health management, show and sale rules and entry procedures, and marketing of animals. Students may be required to participate in an intercollegiate livestock show competition and at least one marketing event. The planning and purchase of feeder animals are covered. (CSU)

### **ASCI 25D Advanced Livestock Presentation**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ASCI 25C

Intermediate Livestock

Presentation with a grade of "C" or better.

This course is designed to prepare the student to apply animal husbandry practices and procedures, as applied to various species of livestock, to shows and sales. Emphasis will be placed on animal handling techniques, grooming and fitting of livestock, showmanship skill development, animal health management, show and sale rules and entry procedures, and marketing of animals. Students may be required to participate in an intercollegiate livestock show competition and at least one marketing event. The planning and purchase of feeder animals are covered. (CSU)

### **ASCI 34 Animal Health and Sanitation**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** ASCI 10 Principles

of Animal Science and ASCI 10L

Principles of Animal Science

Laboratory each with a grade of "C" or better.

This course is an overview of elementary anatomy and physiology of livestock including preventive measures for common diseases and parasites. The safe use of various vaccines, equipment, and restraint techniques used in the routine treatment of farm animals and the selection of proper treatment techniques, veterinary terminology, and handling practices are included. (CSU, C-ID AG-AS 136L)

### **ASCI 47 Small Ruminant Science**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** ASCI 10 and ASCI 10L each with a grade of "C" or better.

This course will provide a survey of the sheep and goat industries. Included is a study of the management of commercial, purebred and small farm flocks, selecting, feeding, breeding and basic care of small ruminants, as well as the marketing of sheep, goats, and their products. (CSU)

### **ASCI 50SS Special Studies: Animal Husbandry Sciences**

**Units:** 1-4

**Hours:** 48-216 hours  
INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in animal husbandry science. The course includes research, directed reading, fieldwork or other advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

### **ASCI 57 Beef Cattle Science**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall

## COURSE DESCRIPTIONS

term

**Advisories:** ASCI 10 and ASCI 10L each with a grade of "C" or better.

This course will study the principles and practices of purebred and commercial beef cattle production. Emphasis will be on the importance of breeds, breeding principles, selection, nutrition, environmental management, health, marketing and record keeping to ensure scientifically based management decisions and consumer product acceptance as applied to beef cattle. (CSU, C-ID AG-AS 108L)

### **ASCI 67 Swine Science**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Advisories:** ASCI 10 and ASCI 10L each with a grade of "C" or better.

This course will study the principles and practices of purebred and commercial pork production throughout California, the United States and the world. Emphasis will be on the importance of breeds, breeding principles, selection, nutrition, environmental management, health, marketing and record keeping to ensure scientifically-based management decisions and consumer product acceptance. (CSU)

### **ASCI 69V Internship: Animal Science**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student participating in an occupational internship in animal science. Application of discipline-related skills and knowledge are emphasized. Each student is engaged in a specific research project or on-the-job learning activities under the supervision of a worksite supervisor and a college internship instructor. Students must

work a minimum of 48 hours per unit earned. To register, please complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. (CSU)

### **ASCI 75 Selected Topics: Animal Science**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Animal Science not already covered by the existing curriculum.

### **ASCI 96V Work Experience: Animal Husbandry Science**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student in an occupational work experience in animal science. Application of discipline-related skills and knowledge are emphasized. Each student is engaged in specific on-the-job learning activities under the supervision of a work site supervisor and a college internship instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140.

## **Anthropology**

### **ANTHR 1 Cultural Anthropology**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is an introduction to the anthropological study of culture. The course emphasizes cultural similarities and differences worldwide with respect to kinship,

marriage, economics, politics, religion, and social inequality. (HBCU, UC, CSU, C-ID ANTH 120)

### **ANTHR 2 Biological Anthropology**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B2; IGETC Area 5B

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and their application to the human species. Issues and topics will include, but are not limited to, genetics, evolutionary theory, human variation and biocultural adaptations, comparative primate anatomy and behavior, and the fossil evidence for human evolution. The scientific method serves as a foundation of the course. The course may include a lab component. (HBCU, UC, CSU, C-ID ANTH 110)

### **ANTHR 2L Biological Anthropology Laboratory**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** CSU Area B2; IGETC Area 5B

**Term Typically Offered:** Every term

**Prerequisites:** ANTHR 2 Biological Anthropology with a grade of "C" or better.

**Corequisites:** ANTHR 2.

This laboratory course is offered as a supplement to Introduction to Biological Anthropology either taken concurrently or in a subsequent term. Laboratory exercises are designed to introduce students to the scientific method and explore genetics, human variation, human and non-human primate anatomy and behavior, the primate/hominin fossil record and other resources to investigate processes that affect human evolution. (HBCU, UC, CSU, C-ID ANTH 115L)

### **ANTHR 4 Introduction to Linguistics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6;

## COURSE DESCRIPTIONS

CSU Area E; IGETC Area 3B

**Term Typically Offered:** Every term

This introductory course serves as a foundation for understanding human language. This course surveys structural properties of language (phonetics, phonology, morphology, syntax) as well as historical linguistics, language families, linguistic and cultural diversity, sociolinguistics, neurolinguistics, child language acquisition (biological and cultural aspects), semantics and pragmatics. Issues of language conservation and loss are emphasized, as well as the myriad sociocultural ramifications of language use, locally and globally. Since ANTHR 4 and HUM 4 are cross listed courses, credit may be awarded for either ANTHR 4 or HUM 4 but not both. (HBCU, UC, CSU, C-ID ANTH 130)

### **ANTHR 10 Introduction to Archaeology**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every spring term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a survey of the development of archaeology as an anthropological study, with particular emphasis on the contributions of archaeology toward supplementing man's understanding of the development of human culture. The objectives, methods, and techniques of modern archaeology are combined with a survey of major archaeological sites and cultures. (HBCU, UC, CSU, C-ID ANTH 150)

### **ANTHR 10L Beginning Field Archaeology**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** ANTHR 10

Introduction to Archaeology with a grade of "C" or better.

**Corequisites:** ANTHR 10.

This course is an introduction to archaeological field techniques. This course stresses the methods involved in identifying and investigating archaeological sites and features. It will cover survey and excavation techniques,

sampling strategies, mapping and navigation, recording techniques, and recovery strategies. The course emphasizes the care and preservation of artifacts, as well as analysis of artifacts and interpretation of the cultural remains. (HBCU, UC, CSU)

### **ANTHR 15 Selected Topics:**

#### **Anthropology**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of Anthropology not already covered by the existing curricula. (CSU)

### **ANTHR 50SS Special Studies:**

#### **Anthropology**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** ANTHR 1 Cultural Anthropology, ANTHR 2 Biological Anthropology, or ANTHR 10

Introduction to Archaeology with a grade of "B" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed to allow the qualified student to do advanced work in Anthropology. The course includes research, directed reading, field work, or other advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

### **ANTHR 75 Selected Topics:**

#### **Anthropology**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Anthropology not already covered by the existing curriculum.

### **ANTHR /HUM 4 Introduction to Linguistics**

**Units:** 3

**Hours:** 54 hours LEC

**General Education:** Delta Area 6; CSU Area E; IGETC Area 3B

This introductory course serves as

a foundation for understanding human language. This course surveys structural properties of language (phonetics, phonology, morphology, syntax) as well as historical linguistics, language families, linguistic and cultural diversity, sociolinguistics, neurolinguistics, child language acquisition (biological and cultural aspects), semantics and pragmatics. Issues of language conservation and loss are emphasized, as well as the myriad sociocultural ramifications of language use, locally and globally. Since ANTHR 4 and HUM 4 are cross listed courses, credit may be awarded for either ANTHR 4 or HUM 4 but not both. (HBCU, UC, CSU, C-ID ANTH 130)

## **Architectural Drafting**

### **ARCH 1 Basic Architectural Drafting**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even fall term

This course is an introduction to drafting for the student majoring in architecture, interior design, or construction. Course topics include techniques and skills of drafting and design, introduction to building codes and construction methods, and basic construction documents used to communicate the building process. (CSU)

### **ARCH 5 Architectural Detailing**

**Units:** 4

**Hours:** 54 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** ARCH 1 Basic Architectural Drafting with a grade of "C" or better.

This course is an introduction to drafting of construction details as they apply to various architectural structures. Building codes and regulations pertinent to the various details are emphasized. (CSU)

### **ARCH 6 Digital Tools for Architecture**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall

## COURSE DESCRIPTIONS

term

**Prerequisites:** ARCH 1 Basic Architectural Drafting or ARCH 20 Architectural Design and Drawing I with a grade of "C" or better, or  
**Corequisites:** ARCH 20.

This course is an introduction to digital tools employed in computer design and presentation for architecture students. Topics include image editing, page layout and 3D modeling. (CSU)

### **ARCH 8 Materials of Construction**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to instruct the student in the uses and applications of processes and materials related to general construction. (CSU)

### **ARCH 14 Advanced Architectural Practice**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** ARCH 1 Basic Architectural Drafting with a grade of "C" or better.

This course provides training in the use of BIM (building information modeling) software. An introduction, and overview of various architectural topics related to sustainability and "green" architecture is included. Students complete a final project related to these topics utilizing BIM software. (CSU)

### **ARCH 15 Selected Topics in Architecture**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of architecture not already covered by the existing curriculum. (CSU)

### **ARCH 20 Architectural Design and Drawing I**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course includes the principles, concepts, methods and skills

pertaining to the freehand and drafted construction of drawings employing orthographic, axonometric, oblique, and dimetric drawing systems. The principles and concepts of two and three dimensional visual and architectural design are included. (UC, CSU)

### **ARCH 21 Architectural Design and Drawing II**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** ARCH 20

Architectural Design and Drawing I with a grade of "C" or better.

This course is a continuation and development of the content and issues introduced in ARCH 20 plus the principles, concepts, methods and skills pertaining to the freehand and drafted construction of shadows, physical model building, entourage and color theory. (UC, CSU)

### **ARCH 76 Selected Topics: Architectural Drafting**

**Units:** 0.5-4

This course is designed to offer instruction in one or more of the specialized areas of architectural drafting not already covered by the existing curriculum. Units in this course do not count toward an associate degree.

### **ARCH 78 Building Codes**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to introduce building codes applicable to residential, commercial, and public structures.

## **Art**

### **ART 1A Art History: Europe from Prehistory to 1400**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 3; CSU Area C1; IGETC Area 3A

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or

better.

This course provides an overview of western art and architecture from prehistory through the medieval period. (HBCU, UC, CSU, C-ID ARTH 110)

### **ART 1B Art History: Europe from the Fifteenth to the Twentieth Century**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 3; CSU Area C1; IGETC Area 3A

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a survey of the history of architecture, painting and sculpture of the Western tradition from 1400 A.D. to the twentieth century. (HBCU, UC, CSU, C-ID ARTH 120)

### **ART 1C Modern and Contemporary Art History**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 3; CSU Area C1; IGETC Area 3A

**Term Typically Offered:** Every term

This course is designed to provide a survey of the visual arts from the mid-nineteenth century to the present with an emphasis on Europe and North America. (HBCU, UC, CSU, C-ID ARTH 150)

### **ART 2 Art History of the Non-Western World**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 3; CSU Area C1; IGETC Area 3A

**Term Typically Offered:** Every term

This course is designed as a survey of the arts of Oceania, Africa, pre-Columbian America, Native America, and Asia. (HBCU, UC, CSU)

### **ART 3 Art Appreciation**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 3;

CSU Area C1; IGETC Area 3A

**Term Typically Offered:** Every term

This course provides the non-art major a general introduction to art that offers a look at works of art through the study of theory, terminology, themes, design principles, media, techniques, with an introduction to the visual arts across time and diverse cultures. This is not a studio art class. (HBCU, UC, CSU, C-ID ARTH 100)

### **ART 6 2D Design and Color**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every term

Introduction to the concepts, applications, and historical references related to theory and two-dimensional design, including the study of the basic principles and elements of line, shape, texture, value, color and spatial illusion. Development of a visual vocabulary for creative expression through lecture presentations, studio projects, problem solving, and written assignments. (HBCU, UC, CSU, C-ID ARTS 100)

### **ART 7A Painting I**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every term

**Advisories:** ART 33A with a grade of "C" or better.

This course is an introduction to principles, elements, and practices of painting. It will 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. Basic concepts of acrylic painting are introduced. (HBCU, UC, CSU, C-ID ARTS 210)

### **ART 7B Painting II**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ART 7A Painting

I with a grade of "C" or better.

This course is a study and rendering of painted forms for effective communication. The course emphasizes refinement and application of painting techniques for the solution of more complex design problems. (UC, CSU)

### **ART 7C Painting III**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ART 7B Painting II with a grade of "C" or better. This course is an advanced study of painting forms for effective communication. The course emphasizes the development of individual style and content. (UC, CSU)

### **ART 7D Painting IV**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ART 7C Painting III with a grade of "C" or better. This course is a further study of rendering of painted forms for effective communication. The course emphasizes the development of a body of work in preparation for a professional career in painting. (CSU)

### **ART 9 Chicanx/Latinx Art: Resistance and Affirmation Through Painting**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

**Advisories:** ART 33A Beginning Drawing with a grade of "C" or better.

This introductory level course develops an appreciation and understanding of Chicanx/Latinx art and culture through exploration of ancestral heritage, historical experiences and influences, symbols, theories, painting principles, techniques, practices, artists, and examples, as well as engagement with the community through theory and studio work in the application of aesthetic principles to the design of useful and decorative objects and spaces reinforcing Chicanx/Latinx historic/cultural styles. This course

engages with Chicanx/Latinx art and painting techniques to explore and develop images and understanding of Chicana/o cultural themes and expressions. Students experiment with images and symbols from their immediate environment/culture through an integrated approach to the Chicanx/Latinx philosophy of art. Students will develop a better understanding of the interrelationship between the self and the creative arts while affirming contributions to knowledge, civilization, and society by men and women from a variety of Chicanx and Latinx cultures. Lessons explore great Chicanx/Latinx works of the human imagination, as well as related painting materials, perceptual skills and color theory, paint mixing and techniques, and creative responses to materials and subject matter. With a major emphasis on the integration of culture, history, theory, criticism, and aesthetics of Chicanx/Latinx art, this adventurous course actively integrates the aforementioned lessons and moves out of the classroom and studio setting to directly engage students and local communities with the application of Chicanx/Latinx art. Students learn fundamental aspects of Chicanx/Latinx art and culture through painting and application of formal art elements as well as experimentation in various painting media. Art projects develop an understanding of how historical and socio-political events impact communities and reinforce Chicanx/Latinx historic/cultural styles. The course is taught in English (with some code-switching in Spanish). (UC, CSU, C-ID ARTS 210)

### **ART 9H Honors Chicanx/Latinx Art: Resistance and Affirmation Through Painting**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every odd spring term

**Advisories:** ART 33A with a grade of "C" or better.

This introductory level honors course develops an appreciation and understanding of Chicanx/Latinx art and culture through exploration of ancestral heritage, historical experiences and influences, symbols, theories, painting principles, techniques,

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practices, philosophies, artists, and significant works of art and related literature. Engagement with the campus or broader community through theory and studio work reinforces understanding of Chicana/Latina historic/cultural styles. As an arts and humanities course, the Chicana/Latina artistic medium is both the focus of study and the means to examine the broader human condition. The course is taught in English (with some code-switching in Spanish). Since ART 9 and ART 9H are equivalent courses, credit may be awarded for either ART 9 or ART 9H but not both. (HBCU, CSU)

### **ART 12 3-D Design**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every term

This course is an introduction to the elements and principles of design as they apply to visual art and design. Focus will be placed on understanding these concepts through the creation of design projects in various materials. This course is recommended as a foundation for students who plan to pursue any studies that deal with three-dimensional forms in a creative way. Note: This is a studio art course, not a computer graphics course. (HBCU, UC, CSU, C-ID ARTS 101)

### **ART 20A Sculpture I**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every term

This course is an introduction to the basic principles, techniques and concepts used in sculpture. Various sculpture methods are practiced, such as additive, subtractive and construction, with attention to historical and contemporary context. (HBCU, UC, CSU)

### **ART 20B Sculpture II**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every

term

**Prerequisites:** ART 20A Sculpture I with a grade of "C" or better.

This course is a further study of principles, techniques and concepts used in sculpture. Various sculpture methods are practiced, such as metal fabrication, mold making and casting, with attention to historical and contemporary context. (UC, CSU)

### **ART 20C Sculpture III**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ART 20B Sculpture II with a grade of "C" or better.

This course is a study of advanced principles, techniques and concepts used in sculpture. The course emphasizes the development of individual style and its application to solving specialized assignments. (UC, CSU)

### **ART 20D Sculpture IV**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ART 20C Sculpture III with a grade of "C" or better.

This course is for refined focus and study in advanced sculpture. The course emphasizes the development and creation of a cohesive body of sculptural works. (CSU)

### **ART 33A Beginning Drawing**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every term

This course is an introduction to principles, elements, and practices of drawing, employing a wide range of subject matter and drawing media. It will focus on perceptually based drawing, observational skills, technical abilities, and creative responses to materials and subject matter. (HBCU, UC, CSU, C-ID ARTS 110)

### **ART 33B Intermediate Drawing**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ART 33A Beginning Drawing with a grade of "C" or better.

This course is a study of artistic concepts, styles, and creative expression related to intermediate-level drawing, focusing on complex subject matter and concepts using a variety of drawing mediums, techniques, and methodologies. Students in this course will build on fundamental drawing skills to develop personalized approaches to content and materials in exercises covering multiple historical and contemporary approaches to drawing. (UC, CSU, C-ID ARTS 205)

### **ART 33C Figure Drawing**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ART 33B

Intermediate Drawing with a grade of "C" or better.

This course is an introduction to drawing the human figure from observation using a wide variety of drawing media and techniques. Topics include an introduction to human anatomy and the historical and contemporary roles of figure drawing in the visual arts. Students in this course will learn both descriptive and interpretive approaches to drawing the figure. (UC, CSU, C-ID ARTS 200)

### **ART 40A Printmaking I**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every term

This course is an introduction to the basic materials, equipment, and processes of printmaking, including monotype, relief (linocut and woodcut), intaglio (drypoint, etching, and collagraph). This course requires an additional \$60 lab materials fee. (HBCU, UC, CSU)

### **ART 40B Printmaking II**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

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**Term Typically Offered:** Every term

**Prerequisites:** ART 40A

Printmaking I with a grade of "C" or better.

This course is a continuation study of processes and applications in basic printmaking. This course emphasizes refinement and application of Printmaking techniques, including monotype, relief (linocut and woodcut), intaglio (drypoint, etching, and collagraph) for the solution of more complex design problems. This course requires an additional \$60 lab materials fee. (UC, CSU)

### **ART 40C Printmaking III**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ART 40B

Printmaking II with a grade of "C" or better.

This course is a study of more complex printmaking processes and applications. Students will begin to identify types of printmaking that they wish to focus on for creative and technical advancement. This course emphasizes refinement and application of Printmaking techniques, including monotype, relief (linocut and woodcut), intaglio (drypoint, etching, and collagraph) for the solution of more complex design problems. This course requires an additional \$60 lab materials fee. (UC, CSU)

### **ART 40D Printmaking IV**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ART 40C

Printmaking III with a grade of "C" or better.

This is a continuation course in the advanced study of complex printmaking processes and applications. This course emphasizes refinement and application of specific types of printmaking chosen by the student as an area of focus. Printmaking techniques, printing press calibration specific to printing challenges and experimental exploration will be addressed. This course requires an additional \$60 lab materials fee. (CSU)

### **ART 64A Ceramics I**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours

LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every term

This course includes the production and study of clay forms as effective communication. Basic techniques of hand building are practiced on assignments and projects that require no prior knowledge of tools, equipment or ceramic materials. Ceramic artwork from differing cultures, time periods and artists will be analyzed and critiqued while investigating how societal and technological beliefs and developments have influenced the evolution of the ceramic arts. (HBCU, UC, CSU)

### **ART 64B Ceramics II**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours

LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ART 64A Ceramics I with a grade of "C" or better.

This course is designed as a study in the use of clay for effective visual communication. The course emphasizes the refinement and application of wheel techniques for the solution of more complex design problems including function. The proper stacking of kilns and the practice of glaze development is introduced. (UC, CSU)

### **ART 64C Ceramics III**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ART 64B Ceramics II with a grade of "C" or better.

This course is designed as a study and use of clay for effective visual communication. The course emphasizes glaze surface techniques and formulation, development of individual style and its application to solving specialized assignments related to professional goals. Kiln building, and firing is introduced. (HBCU, CSU)

### **ART 64D Ceramics IV**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade or

Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** ART 64C Ceramics III with a grade of "C" or better.

This course is intended for study in the development of individual style and its application to solving advanced ceramic assignments. (CSU)

### **ART 75 Selected Topics: Art**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Art not already covered by the existing curriculum.

## **Astronomy**

### **ASTRO 1 Introductory**

#### **Astronomy**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 2;

CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process.

This course is a description of general astronomy covering topics that include our solar system (planets, asteroids, and comets), our Sun, the birth and evolution of stars, galaxies (including the Milky Way), clusters of galaxies, quasars, black holes, and cosmology. (UC, HBCU, CSU)

### **ASTRO 1L Astronomy**

#### **Laboratory**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** CSU Area B1;

IGETC Area 5A

**Term Typically Offered:** Every term

**Prerequisites:** ASTRO 1 Introductory Astronomy with a grade of "C" or better.

**Corequisites:** ASTRO 1.

This course is laboratory work performing quantitative experiments of physical phenomena relating to astronomy. The experiments may include working with web-based programs or with CLEA (Contemporary Laboratory Experiences in Astronomy) software. Observations using

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telescopes are also included.  
(HBCU, UC, CSU)

### **ASTRO 11 Astronomy of the Solar System**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Prerequisites:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process.

This course is a general introduction to the astronomy of the solar system. The topics include the physical background necessary to understand the motion of planets, their moons, comets, asteroids, and other celestial bodies, the shapes of those bodies, as well as the nature of light and other electromagnetic waves. The structure, the geology, and the atmospheres of the planets of our solar system are discussed, as well as the nature and the movement of asteroids, comets, dwarf planets, and some other objects. Furthermore, the processes that take place in the Sun and around it are discussed, as are the issues related to the detection and the study of planets around other stars, including the potential existence of life in other solar systems. Lastly, celestial navigation and astronomical observations using various types of telescopes are discussed. Many of these topics are addressed hands-on in the laboratory part of the course. (HBCU, UC, CSU)

### **ASTRO 12 Astronomy: Stars, Galaxies, and the Universe**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Prerequisites:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process.

This course is a general introduction to the astronomy of stars, galaxies, and the Universe. The topics include the birth, the evolution, and the end stages of stars, the evolution and the current state of the Milky Way Galaxy, other galaxies, galaxy clusters, the structure of space and spacetime,

elements of relativity theory, black holes, gravitational waves, the Big Bang, dark energy, dark matter, the fate of the Universe, and the possibility of life elsewhere in the Universe. The course discusses the importance of science and scientific methods, and shows how light and other electromagnetic waves carry almost all the information that we have about the Universe. Celestial navigation and astronomical observations using various types of telescopes are also discussed. Many of these topics are addressed hands-on in the laboratory part of the course. (HBCU, UC, CSU)

## **Athletics**

### **ATH 1 Off Season Sports**

**Conditioning**

**Units:** 0.5-1.5

**Hours:** 9 - 18 hours LEC; 18 - 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is designed for the athlete wishing to participate in a vigorous training program for intercollegiate athletics. This course is designed to expose the student to the various components of sport-related conditioning. The student develops a theoretical knowledge of these components and participates in activities that include jogging, running, plyometrics, as well as strength and flexibility training. This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 15 Selected Topics:**

**Athletics**

**Units:** 0.5-4

**Limitations on Enrollment:**

Athletic Tryout & Team Selection. Must meet the California Community College Athletic Eligibility Code requirements and after tryouts, be selected for the team.

This course is designed to offer instruction in one of the specialized areas of athletics not already covered by the existing curricula. (CSU)

### **ATH 30 Wrestling Team: Women**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every

spring term

**Limitations on Enrollment:**

Athletic Tryout & Team Selection. Must meet the California Community College Athletic Eligibility Code requirements and after tryouts, be selected for the team.

This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (UC, CSU)

### **ATH 37 Off Season Golf**

**Units:** 0.5-1.5

**Hours:** 9 - 18 hours LEC; 18 - 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Athletic Tryout & Team Selection. Must meet the California Community College Athletic Eligibility Code requirements and after tryouts, be selected for the team.

This course is designed for the athlete wishing to participate in intercollegiate golf. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises. This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 38 Intercollegiate Beach Volleyball**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Athletic tryout and team selection. This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 Section 55041(a)(2). (CSU)

### **ATH 39 Off Season Swimming**

**Units:** 0.5-1.5

**Hours:** 9 - 18 hours LEC; 18 - 36 hours LAB

**Grade Options:** Letter Grade

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**Term Typically Offered:** Every summer term

**Limitations on Enrollment:**

Athletic tryout and team selection. This course is designed for the athlete wishing to participate in intercollegiate swimming. Course content will include: sport specific skill development, sport specific strength training, speed development, agility training, plyometric drills, cardiovascular conditioning, and an increase in flexibility. This course is repeatable per Title 5 S55041(a)(2). (UC, CSU)

**ATH 40 Off Season Water Polo**  
**Units:** 0.5-1.5

**Hours:** 9 -18 hours LEC; 18 - 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

**Limitations on Enrollment:**

Athletic tryout and team selection. This course is designed for the athlete wishing to participate in intercollegiate water polo. Course content will include: sport specific skill development, sport specific strength training, speed development, agility training, plyometric drills, cardiovascular conditioning, and an increase in flexibility. This course is repeatable per Title 5 S55041(a)(2). (UC, CSU)

**ATH 41 Off Season Volleyball**  
**Units:** 0.5-1.5

**Hours:** 9 -18 hours LEC; 18 - 36 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every summer term

**Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is designed for the athlete wishing to participate in intercollegiate volleyball. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises. (UC, CSU)

**ATH 42 Off Season Wrestling**  
**Units:** 0.5-1.5

**Hours:** 9 -18 hours LEC; 18 - 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is designed for the athlete wishing to participate in

intercollegiate wrestling. This course involves training and conditioning skills and techniques specific to wrestling. Students will have the opportunity to obtain knowledge and practical experience in intercollegiate wrestling. This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

**ATH 43 Off Season Basketball**  
**Units:** 0.5-1.5

**Hours:** 9 -18 hours LEC; 18 - 36 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is designed for the athlete wishing to participate in intercollegiate basketball. Course content will include: collegiate level basketball-specific skill development, sport specific strength training, agility work, plyometrics, speed training and flexibility exercises. (UC, CSU)

**ATH 44 Off Season Soccer**  
**Units:** 0.5-1.5

**Hours:** 9 -18 hours LEC; 18 - 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Athletic Tryout & Team Selection. Must meet the California Community College Athletic Eligibility Code requirements and after tryouts, be selected for the team.

This course is designed for the athlete wishing to participate in intercollegiate soccer. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises. This course is repeatable per Title 5 section 55041(a)(2). (UC, CSU)

**ATH 45 Off Season Baseball**  
**Units:** 0.5-1.5

**Hours:** 9 -18 hours LEC; 18 - 36 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is designed for the

athlete wishing to participate in intercollegiate baseball. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises. This course is repeatable per Title 5 Section 55041(a)(2). (UC, CSU)

**ATH 46 Off Season Football**  
**Units:** 0.5-1.5

**Hours:** 9 -18 hours LEC; 18 - 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is designed for the athlete wishing to participate in intercollegiate football. Course content will include: sport specific skill development, sport specific strength training, speed development, agility training, plyometric drills, cardiovascular conditioning, and an increase in flexibility. This course is repeatable per Title 5 section 55041(a)(2). (UC, CSU)

**ATH 47 Off Season Softball**  
**Units:** 0.5-1.5

**Hours:** 9 -18 hours LEC; 18 - 36 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is designed for the athlete wishing to participate in intercollegiate softball. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises. This course is repeatable per Title 5 Section 55041(a)(2). (UC, CSU)

**ATH 48 Off Season Track and Field**  
**Units:** 0.5-1.5

**Hours:** 9 -18 hours LEC; 18 - 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is designed for the athlete wishing to participate in intercollegiate track and field.

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Course content will include: collegiate level track-specific skill development, sport specific strength training, agility work, plyometrics, speed training and flexibility exercises. This course is repeatable per Title 5 S55041(a)(2). (UC, CSU)

### **ATH 49 Golf Team: Women**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 S55041(a)(2). (UC, CSU)

### **ATH 50 Soccer Team: Men**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 51 Water Polo Team: Men**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 S55041(a)(2). (UC, CSU)

### **ATH 52 Football Team: Men**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 53 Cross Country Team: Men**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 54 Baseball Team: Men**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection. **Advisories:** ATH 45 with a grade of "C" or better in the summer or fall semester and recommended that student played varsity baseball in high school.

This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 55 Golf Team: Men**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection.

This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 56 Basketball Team: Men**

**Units:** 1.5

**Hours:** 90 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection. Must meet the California Community College Athletic Eligibility Code requirements and after tryouts, be selected for the team. This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (UC, CSU)

### **ATH 57 Track Team: Men**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 58 Wrestling Team: Men**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection. This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA).

## COURSE DESCRIPTIONS

This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 60 Swimming & Diving**

**Team: Men**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection.

This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 Section 55041(a)(2). (UC, CSU)

### **ATH 61 Soccer Team: Women**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection.

This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 62 Volleyball Team: Women**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection.

This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 63 Swimming and Diving Team: Women**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every

spring term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection.

This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 Section 55041(a)(2). (UC, CSU)

### **ATH 64 Basketball Team: Women**

**Units:** 1.5

**Hours:** 90 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection.

Must meet the California Community College Athletic Eligibility Code requirements and after tryouts, be selected for the team. This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (UC, CSU)

### **ATH 65 Softball Team: Women**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection.

Must meet the California Community College Athletic Eligibility Code requirements and after tryouts, be selected for the team.

**Advisories:** ATH 47 with a grade of "C" or better.

This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 67 Water Polo Team:**

**Women**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall

term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection.

Must meet the California Community College Athletic Eligibility Code requirements and after tryouts, be selected for the team.

This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (UC, CSU)

### **ATH 68 Track Team: Women**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection.

This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 69 Cross Country Team: Women**

**Units:** 3

**Hours:** 180 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Athletic Tryout & Team Selection.

This course is part of the intercollegiate athletic program of Delta College. Delta College participates in the conference established through the Community College League of California's Commission on Athletics (COA). This course is repeatable per Title 5 section 55041(a)(2). (HBCU, UC, CSU)

### **ATH 75 Selected Topics:**

**Athletics**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Athletics not already covered by the existing curriculum.

## COURSE DESCRIPTIONS

### Auto Body

#### **AUTOBODY 75 Selected Topics: Auto Body**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Auto Body not already covered by the existing curriculum.

#### **AUTOBODY 84A Introductory Auto Collision Repair**

**Units:** 6

**Hours:** 36 hours LEC; 216 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is a theory and laboratory course offering in-depth training in sheet metal welding, metal straightening and finishing, and filling of metals.

#### **AUTOBODY 84B Beginning Auto Collision Repair**

**Units:** 6

**Hours:** 36 hours LEC; 216 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** AUTOBODY 84A Introductory Auto Collision Repair with a grade of "C" or better. This course is designed to allow the student to work on more complicated types of automobile body damage to further refine basic metal working skills. The removing, repairing, and aligning of trim and upholstery panels are covered.

#### **AUTOBODY 84C Intermediate Auto Collision Repair**

**Units:** 6

**Hours:** 36 hours LEC; 216 hours LAB

**Term Typically Offered:** Every term

**Prerequisites:** AUTOBODY 84B Beginning Auto Collision Repair with a grade of "C" or better. This course is designed to give the student instruction in basic unibody repair, fiberglass body repair, plastic parts repair, and roof panel replacement and repair. The student learns and performs the steps necessary to complete a full-car paint job.

#### **AUTOBODY 84D Advanced Auto Collision Repair**

**Units:** 6

**Hours:** 36 hours LEC; 216 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** AUTOBODY 84C Intermediate Auto Collision Repair with a grade of "C" or better. This course is designed to advance the student to more complicated portions of unibody repair. The repair of suspension and steering systems are covered. The student performs assigned jobs which must be performed within time constraints imposed by employers.

#### **AUTOBODY 87C Auto Body Specialization - Painting**

**Units:** 1-4

**Hours:** 48-216 hours

INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** AUTOBODY 88B Master Auto Body/Refinish Technician with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the advanced student in auto body painting. The work to be covered is developed between student and instructor at the beginning of the semester.

#### **AUTOBODY 87D Auto Body Specialization - Body Framework**

**Units:** 1-4

**Hours:** 48-216 hours

INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** AUTOBODY 88B Master Auto Body/Refinish Technician with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be

signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the advanced student in auto body framework. The work to be covered is developed between student and instructor at the beginning of the semester. Units earned in this course do not count toward the associate degree.

#### **AUTOBODY 88A Master Auto Body Technician**

**Units:** 4

**Hours:** 216 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** AUTOBODY 84D Advanced Auto Collision Repair with a grade of "C" or better. This course is designed to expose the student to the fine details of automotive body repair and restoration. The student will gain valuable refined skills that will escalate their technical abilities to a higher level in turn creating a much more employable candidate.

#### **AUTOBODY 88B Master Auto Body/Refinish Technician**

**Units:** 4

**Hours:** 216 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** AUTOBODY 88A Master Auto Body Technician with a grade of "C" or better. This course is designed to expose the student to the fine details of automotive body repair/refinish and restoration. The student will gain valuable refined skills that will escalate their technical abilities to a higher level in turn creating a much more employable candidate.

### Auto Mechanics

#### **AUTOMECH 60 Hybrid Electric Alternative Fuel Vehicle Technology L3**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** AUTOMECH 91 Starting, Charging, and Electrical Systems A6 with a grade of "C" or better, or Automotive Service Excellence (ASE) A6 Electrical/Electronic System

## COURSE DESCRIPTIONS

Certification.

**Corequisites:** AUTOMECH 91.

**Advisories:** AUTOMECH

73, AUTOMECH 74, and AUTOMECH 97 with a grade of "C" or better.

This course covers the theory of operation and service of hybrid, electric, and alternative fuel powered cars and light trucks. Topics include battery inspection service, regenerative braking systems, electric air conditioning systems, motor/generator and transmission, bladder style fuel tank and fuel cell technologies.

Emphasis is placed on safety precautions necessary when servicing hybrid and alternative fueled vehicles. In response to industry demand for technicians, students trained in the design, development, maintenance, diagnosis, and repair of alternative fuel vehicles will be able to obtain jobs in related fields. (CSU)

### **AUTOMECH 72 Basic Brakes, Suspensions, Wheel Alignment, and Maintenance**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

This course is designed to prepare the student to analyze, adjust, and repair basic automotive brake, suspension and steering systems and includes basic maintenance.

### **AUTOMECH 73 Basic Engine Performance and Electrical Systems A6**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

This course is designed to provide basic electrical theory and operation of the automotive electrical components and systems. Fundamentals covered include: Ohm's Law; basic electrical circuit testing; component testing; battery, starting, and charging systems; basic wiring diagrams for trouble shooting systems; repair of wiring circuits; and correct use of diagnostic equipment. This course will prepare the student to analyze, adjust, and repair basic automotive electrical, ignition, and fuel management systems. Automotive electrical systems testing with

instruction on proper use of voltmeters and amp clamps for circuit testing, with emphasis on diagnosing of electrical issues efficiently, will also be addressed.

### **AUTOMECH 74 Basic Engines**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

This course is an introduction to the fundamentals of two-stroke and four-stroke engines in relationship to oils, lubrication, safety inspections, precision measurements, and related mathematics. Since AUTOMECH 74 and AGEGR 74 are cross listed courses, credit may be awarded for either AUTOMECH 74 or AGEGR 74 but not both.

### **AUTOMECH 75 Selected Topics: Auto Mechanics**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Auto Mechanics not already covered by the existing curriculum.

### **AUTOMECH 77A Automotive Service of Excellence Preparation**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

This is an intermediate Automotive Technology course that will focus on general maintenance, brakes, and suspension Automotive Service of Excellence (ASE) test training.

This class will address tune-ups, tires, alignment, brakes, suspension, steering, anti-lock brakes, heating, and air-conditioning. Units earned in this course do not count toward the associate degree.

### **AUTOMECH 87A Automobile Mechanics Specialization**

**Units:** 1-4

**Hours:** 48-216 hours

INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Prerequisites:** AUTOMECH 92 Brakes, Suspension, and Steering or AUTOMECH 93 Engine Rebuilding with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District

and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the advanced student in automotive mechanics. The student completes an advanced specialized project developed in consultation with the instructor.

### **AUTOMECH 87B Auto Electrics Specialization**

**Units:** 1-4

**Hours:** 48-216 hours

INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Prerequisites:** AUTOMECH 91 Starting, Charging, and Electrical Systems A6 with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the advanced student in automotive electrics. The student completes an advanced specialized project developed in consultation with the instructor.

### **AUTOMECH 90A Emission Control Training Level 1**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every fall term

**Advisories:** AUTOMECH 96A and AUTOMECH 96B each with a grade of "C" or better.

This course is designed to meet the California State requirements for the Department of Consumer Affairs/Bureau of Automotive Repair Course. This course is required for the advanced level student or Journeyman level technician who wants to become a Smog Check Test and Repair Technician. The student who enrolls in this course must meet the DCA/BAR prerequisite guidelines before entering the course in order to receive a Level 1 Course certification. The course includes State rules and regulations for

## COURSE DESCRIPTIONS

Smog Check, required equipment for testing and testing vehicles incorporated in the Smog Check program, manuals and software required for Smog Check Stations, common test procedures used on emission vehicles, testing vehicles that are equipped with On Board Diagnostic II (OBD II) compliant engine management system, and the safe use and practices of Emission Inspection System equipment.

### **AUTOMECH 90B Emissions Diagnosis and Repair Level 2** **Units:** 1.5

**Hours:** 18 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Limitations on Enrollment:** For those students who seek Level 2 certification, they must meet the California Department of Consumer Affairs/Bureau of Automotive Repair requirements prior to entry into the course or they must have Level 1 certification.

This course is designed to meet the California state requirements for the Department of Consumer Affairs/Bureau of Automotive Repair (DCA/BAR) Level 2 training course.

This course is required for the advanced level student or journeyman level technician who wishes to become a Smog Check Test and Repair Technician. The student who enrolls in this course must meet the DCA/BAR prerequisite guidelines before entering the course in order to receive a Level 2 certification. This course includes state rules and regulations for Enhanced Area Smog Check; required equipment for testing and repairing vehicles incorporated in the Enhanced Area Smog Check program; baseline testing and common repair procedures used on enhanced area emission related vehicle failures; the safe use and practices of Emission Inspection system equipment, with special attention to safe vehicle/dynamometer testing practices.

### **AUTOMECH 91 Starting, Charging, and Electrical Systems A6**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every

term

**Prerequisites:** AUTOMECH 73 Basic Engine Performance and Electrical Systems A6 or DIESEL 99 Computer Diagnosis and Troubleshooting with a grade of "C" or better.

**Corequisites:** AUTOMECH 73 or DIESEL 99.

This course covers testing, diagnosing, and repairing electrical components and systems including automotive computer controls using necessary test equipment. This course is designed to prepare the student to effectively diagnose and repair automotive starting, charging, electrical systems, automotive body electronics, vehicle lighting, instrumentation, audio, navigation, and communication systems, supplemental restraint systems, starter interlock systems, stop/start starters, and computer controlled charging systems.

### **AUTOMECH 92 Brakes, Suspension, and Steering**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Prerequisites:** AUTOMECH 72 Basic Brakes, Suspensions, Wheel Alignment, and Maintenance with a grade of "C" or better.

**Corequisites:** AUTOMECH 72. This course is designed to prepare the student to analyze, adjust, service, and repair automotive brakes, suspension, and steering systems.

### **AUTOMECH 93 Engine Rebuilding**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Advisories:** AUTOMECH 74 with a grade of "C" or better.

This course is designed to prepare the student to analyze, adjust, service, and repair gasoline-powered automobile engines. The course includes precision machining operations and the complete rebuilding of an engine.

### **AUTOMECH 94 Manual Drivetrain and Axles**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** AUTOMECH 72 with a grade of "C" or better.

This course is designed to prepare the student to analyze, service, and repair: differentials, standard transmissions and transaxles, dual clutch transmissions, front-wheel drive axles, drivelines, four-wheel drive systems, and clutch systems.

### **AUTOMECH 95 Air Conditioning, Heating, and Electrical Systems A7**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Prerequisites:** AUTOMECH 73 Basic Engine Performance and Electrical Systems A6 or AUTOBODY 84A Introductory Auto Collision Repair with a grade of "C" or better.

**Corequisites:** AUTOMECH 73 or AUTOBODY 84A.

The course is designed to prepare the student to diagnose and repair air conditioning, heating and specialized electrical accessories systems.

### **AUTOMECH 96A Fuel Management and Computer Controls**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Advisories:** AUTOMECH 73 with a grade of "C" or better.

This course is designed to prepare the student to troubleshoot and diagnose automotive fuel-injection systems, engine computer systems, and emission systems. The student completing the requirements of AUTOMECH 96A, Fuel Management and Computer Controls, and AUTOMECH 96B, Ignition Systems and Electronic Engine Controls, is eligible to test to receive certification for the approved Clean Air Car course from the State of California Bureau of Automotive Repair.

### **AUTOMECH 96B Ignition Systems and Electronic Engine Controls**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours

## COURSE DESCRIPTIONS

### LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** AUTOMECH 73 with a grade of "C" or better.

This course is designed to prepare the student to diagnose and repair automotive engine performance problems and driveability malfunction-related failures. The student completing the requirements of AUTOMECH 96A, Fuel Management and Computer Controls, and AUTOMECH 96B, Ignition Systems and Electronic Engine Controls, is eligible to test to receive certification for the approved Clean Air Car course from the State of California Bureau of Automotive Repair.

### **AUTOMECH 97 Automatic Transmissions and Transaxles**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** AUTOMECH 72 or AUTOMECH 73 with a grade of "C" or better.

This course is designed to prepare the student to analyze, adjust, service, and repair automatic transmissions and transaxles on foreign and domestic automobiles.

### **AUTOMECH 98V Work**

**Experience:** Auto Mechanics

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student participating in an occupational work experience in automotive mechanics. Application of discipline-related skills and knowledge are emphasized. Each student is engaged in specific on-the-job learning activities under the supervision of a work site supervisor and a college internship instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an

application form available at the Occupational Work Experience (OWE) Office, Holt 140.

### **AUTOMECH 99 Advanced Performance and Data Collecting**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

This is an advanced automotive performance course introducing new turbocharger/supercharger systems, cross flow cylinder heads, variable valve timing-Intelligence, variable valve lift, computer data collecting, engine porting, chassis dynamo-meter operations, flow bench and high-performance race specialization applications.

### **AUTOMECH /AGEGR 74 Basic Engines**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Term Typically Offered:** Every term

This course is an introduction to the fundamentals of two-stroke and four-stroke engines in relationship to oils, lubrication, safety inspections, precision measurements, and related mathematics. Since AUTOMECH 74 and AGEGR 74 are cross listed courses, credit may be awarded for either AUTOMECH 74 or AGEGR 74 but not both.

## **Biology**

### **BIOL 1 Cell and Molecular Biology**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B2; IGETC Area 5B

**Term Typically Offered:** Every term

**Prerequisites:** CHEM 3A

Introduction to Chemistry or one year of high school chemistry with a grade of "C" or better.

This course, intended for majors, will cover principles and applications of prokaryotic and eukaryotic cell structure and function, biological molecules, homeostasis, cell reproduction and its controls, molecular genetics, classical/Mendelian genetics, cell metabolism including photosynthesis and respiration, and cellular communication. The

philosophy of science, methods of scientific inquiry and experimental design are foundational to the course. (HBCU, UC, CSU, C-ID BIOL 190)

### **BIOL 2 Zoology/Animal Diversity and Evolution**

**Units:** 5

**Hours:** 54 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B2; IGETC Area 5B

**Term Typically Offered:** Every term

**Prerequisites:** BIOL 1 Cell and Molecular Biology with a grade of "C" or better.

This course is intended for majors, and includes a survey of animal phyla and non-photosynthetic, single-celled, eukaryotic taxa. It covers the comparative structure, function, and life cycles of animals, as well as principles of evolution, taxonomy, and systematics. Topics include development, morphology and physiology, phylogeny, and behavior of animals, as well as principles of evolution, mechanisms of evolutionary change, and speciation. (HBCU, UC, CSU, C-ID BIOL 150)

### **BIOL 3 Plant Diversity and Ecology**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B2; IGETC Area 5B

**Term Typically Offered:** Every term

**Prerequisites:** BIOL 1 Cell and Molecular Biology with a grade of "C" or better.

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is intended for majors and covers comparative diversity, structure, and function of plant, fungal, and protistan phyla. Topics include development, morphology and physiology, taxonomy and systematics. Principles of population and community ecology and ecosystem interactions are emphasized. The course is for the pre-professional student in the biological sciences and is fundamental for the student planning to specialize in forestry, horticulture, agriculture, food processing, pharmacy, and other subjects requiring a scientific

## COURSE DESCRIPTIONS

knowledge of plant life. Field trips are included. (HBCU, UC, CSU)

### **BIOL 10 Survey of Biology**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B2; IGETC Area 5B

**Term Typically Offered:** Every term

This course is an introduction to biology for non-majors. Biology includes all aspects of the scientific study of life. In this course, the structure, function, and behavior of organisms are studied at the molecular, cellular, organismal, and environmental levels within an evolutionary conceptual framework. On and off-campus field work is required. The course meets the CSU general education laboratory science requirement and IGETC requirements. (HBCU, UC, CSU)

### **BIOL 11 Human Biology**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B2; IGETC Area 5B

**Term Typically Offered:** Every term

**Advisories:** CHEM 3A with a grade of "C" or better, and successful completion of Intermediate Algebra or appropriate placement as determined by the college's multiple measures assessment process. This course will introduce the concepts of biology using the biology of humans and human interaction. This course will cover all major subjects in biology including human anatomy, physiology, organ systems, diseases, scientific method, evolution, cell and molecular biology. The course meets the California University (CSU) general education laboratory science requirement and Intersegmental General Education Transfer Curriculum (IGETC) requirements. (HBCU, UC, CSU)

### **BIOL 15 Selected Topics: Biology**

**Units:** 0.5-4

This course is designed to offer instruction in one or more of the specialized areas of biology not already covered by the existing curriculum. (CSU)

### **BIOL 22 Introduction to Medical Microbiology**

**Units:** 4

**Hours:** 54 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** CHEM 3A

Introduction to Chemistry with a grade of "C" or better.

**Advisories:** BIOL 1 with a grade of "C" or better.

This course is a study of microorganisms with the main emphasis on bacteria and the disease process. Laboratory work includes cultural, morphological, growth requirements and biochemical characteristics of microorganisms. Basic laboratory skills of the microbiologist are emphasized. The course is recommended for the student planning to enroll in the SJDC Nursing Program. The student who plans to transfer to a college or university, which requires a 5 unit course in bacteriology or microbiology, is advised to enroll in BIOL 23. (CSU)

### **BIOL 23 General Microbiology**

**Units:** 5

**Hours:** 54 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B2; IGETC Area 5B

**Term Typically Offered:** Every term

**Prerequisites:** CHEM 3A

Introduction to Chemistry with a grade of "C" or better.

**Advisories:** BIOL 1 with a grade of "C" or better.

This course is the study of the nature and activities of microorganisms and their relationships to human life and human interest. The laboratory activities include bacteriology and mycological techniques, demonstration of physiological activities, isolation and identification of microorganisms, a student designed independent experiment, and may also include field trips to demonstrate practical applications. This course meets introductory requirements for majors in microbiology and for other students requiring knowledge of microbiology. (HBCU, UC, CSU)

### **BIOL 30 Human Sexuality**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 5 & 6; CSU Areas D & E; IGETC Area 4

**Term Typically Offered:** Every term

This course is an introduction to human sexuality. It covers the biological, psychological, social, cultural, and historical aspects of human sexuality. Students engage in discussions regarding social and psychological issues of fertility, pregnancy and childbirth, different methods of birth control, sexually transmitted diseases, sexual behavior, homosexuality and bisexuality and intercourse. Students evaluate their own sexual behavior and attitudes. This course is academic rather than therapeutic. Since BIOL 30 and PSYCH 30 are cross listed courses, credit may be awarded for either BIOL 30 or PSYCH 30 but not both. (HBCU, UC, CSU, C-ID PSY 130)

### **BIOL 31 Human Anatomy**

**Units:** 4

**Hours:** 54 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B2; IGETC Area 5B

**Term Typically Offered:** Every term

**Advisories:** BIOL 11 with a grade of "C" or better and successful completion of Intermediate Algebra or appropriate placement as determined by the college's multiple measures assessment process.

This course is a study of the structural organization of the human body: gross and microscopic structure of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems, from cellular to organ system levels of organization. This course is primarily intended for nursing, allied health, kinesiology, and other health related majors. This course covers structure of the human body at the cell, tissue, organ, and system level. A systems approach is taken with microscopy and gross anatomy of all systems. Emphasis is placed on structure-function relationships. This is a majors level course with designed rigor. The laboratory includes study of microscopic specimens, organ and organism dissection, and models. (HBCU, UC, CSU, C-ID BIOL 110B)

**BIOL 32 Human Physiology**

**Units:** 5

**Hours:** 54 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B2; IGETC Area 5B

**Term Typically Offered:** Every term

**Prerequisites:** BIOL 31 Human Anatomy or BIOL 33 Anatomy & Physiology or BIOL 1 Cell and Molecular Biology or BIOL 11 Human Biology and CHEM 3A Introduction to Chemistry or CHEM 1A General Chemistry or one year of high school chemistry with a grade of "C" or better.

**Advisories:** Successful completion of Intermediate Algebra or appropriate placement as determined by the college's multiple measures assessment process. This course applies physiological principles to the function and homeostasis of the human body at the cellular, tissue, organ, organ system and organismal level. Topics include: integumentary system, bone, skeletal, smooth and cardiac muscles, nervous system, sensory organs, cardiovascular system, lymphatic and immune systems, respiratory system, urinary system, digestive system, endocrine system, and reproductive system. Emphasis is placed on the integration of these systems. This course is primarily intended for Nursing, Allied Health, Kinesiology, and other health related majors. (HBCU, UC, CSU, C-ID BIOL 120B)

**BIOL 33 Anatomy & Physiology**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B2; IGETC Area 5B

**Term Typically Offered:** Every term

**Advisories:** CHEM 3A Introduction to Chemistry, or CHEM 1A General Chemistry, or one year of High School Chemistry with a grade of "C" or better.

This course is intended primarily for allied health majors. It covers the structure, function, integration, and homeostasis of the human body at the cellular, tissue, organ, organ system, and organism level, including the integumentary, skeletal, muscular, nervous, sensory, cardiovascular, lymphatic, immune, respiratory, urinary, digestive, endocrine, and

reproductive systems. (HBCU, UC, CSU)

**BIOL 50SS Special Studies:**

**Biology**

**Units:** 1-4

**Hours:** 48-216 hours INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** BIOL 1 Cell and Molecular Biology and BIOL 2 Zoology/Animal Diversity and Evolution or BIOL 3 Plant Diversity and Ecology each with a grade of "B" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in biology. The course includes research, directed reading, fieldwork or other advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

**BIOL /PSYC 30 Human Sexuality**

**Units:** 3

**Hours:** 54 hours LEC

**General Education:** Delta Areas 5 & 6; CSU Areas D & E; IGETC Area 4

**Term Typically Offered:** Every term

This course is an introduction to human sexuality. It covers the biological, psychological, social, cultural, and historical aspects of human sexuality. Students engage in discussions regarding social and psychological issues of fertility, pregnancy and childbirth, different methods of birth control, sexually transmitted diseases, sexual behavior, homosexuality and bisexuality and intercourse. Students evaluate their own sexual behavior, and attitudes. This course is academic rather than therapeutic. Since BIOL 30 and PSYC 30 are cross listed courses, credit may be awarded for either BIOL 30 or PSYC 30 but not both. (HBCU, UC, CSU, C-ID PSY 130)

**Business Administration**

**BUS 1A Principles of Accounting**

**Units:** 5

**Hours:** 90 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E and MATH 37 or MATH 37EX with a grade of "C" or better.

This course is ideal for students who wish to attain a solid foundation in the fundamental principles of accounting. This includes students majoring in accounting (or business administration with accounting concentration), planning to work in the accounting/bookkeeping field or planning to become a Certified Public Accountant. The topics cover fundamental accounting principles and procedures relating to proprietorships and partnerships. The study includes the application of Generally Accepted Accounting Principles, accounting procedures for the entire accounting cycle, accounting for cash, bank reconciliations, receivables, short-term investments, inventories, plant assets, intangible assets, payable and other liabilities, internal control, and payroll. (HBCU, UC, CSU)

**BUS 1B Principles of Accounting**

**Units:** 5

**Hours:** 90 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** BUS 1A Principles of Accounting with a grade of "C" or better.

This course is a continuation of the study of generally accepted accounting principles applied in a corporate environment. It is ideal for students who wish to attain a solid foundation in fundamental principles of accounting. This includes students majoring in accounting (or business administration with accounting concentration), planning to work in the accounting/bookkeeping field or planning to become a Certified Public Accountant. The course examines the corporation topics of equity and debt financing, investments in stock and debt, the statement of cash flows, and the analysis of financial statements. The course introduces the managerial accounting topics of cost accounting, including job order and process cost systems,

## COURSE DESCRIPTIONS

budgeting, standard costs, incremental analysis and capital budgeting. (HBCU, UC, CSU)

### **BUS 2 Introduction to E-Commerce**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is a comprehensive introduction to the world of electronic commerce. Topics will focus on the business and technological aspects of e-commerce and how it functions within the world of business. Topics include a basic introduction to the technology of e-commerce, the ethical and social issues relating to electronic commerce, e-strategies and tactics, security, and managerial and customer-related perspectives of electronic commerce. (CSU)

### **BUS 3 Financial Accounting**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E, and MATH 37 or MATH 37EX with a grade of "C" or better. This is the study of accounting as an information system, examining why it is important and how it is used by investors, creditors, and others to make decisions. The course covers the accounting information system, including recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the financial statements, and statement analysis. It includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics. (HBCU, UC, CSU, C-ID ACCT 110)

### **BUS 4 Managerial Accounting**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** BUS 3 Financial Accounting with a grade of "C" or better.

This course is the study of the application of accounting information and systems to provide information for management

decision-making, planning, directing operations and controlling. The course focuses on cost term and concepts, cost behavior and structure, and cost-volume-profit analysis. The course also emphasizes analysis of cost systems and control, profit planning, cost analysis, budgeting, and performance evaluation in manufacturing and service environments. (HBCU, UC, CSU, C-ID ACCT 120)

### **BUS 7 Business Communication**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ENGL C1000 Academic Reading and Writing or ENGL C1000E Academic Reading and Writing Embedded Support with a grade of "C" or better.

This course applies the principles of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes planning, organizing, composing, and revising business documents using word processing software for written documents and presentation-graphics software to create and deliver professional-level oral reports. This course is designed for students who already have college-level writing skills. (CSU, C-ID BUS 115)

### **BUS 8 Introduction to Law and Society**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

The course provides an explanation of different sources of law, including statutes, court cases and administrative agency rules, and it reviews schools of jurisprudence, basic legal reasoning, canons of statutory interpretation, argumentation, and introductory socio-legal theory with perspectives and research methods of the social and behavioral sciences. Additionally, the course introduces an overview of various classifications of law and legal systems in global society, including such classifications as civil law and

common law, as well as selected legal specialties and landmark cases in areas such as civil rights law, constitutional law, business law, criminal law, antitrust law, environmental and land use law, family law, real property law, contract law, employment and labor law, immigration law, intellectual property law, and other areas of law in society. Also included is a review of the principles and theories of legal ethics, social justice, critical legal studies, and law in action. Material is presented from a theoretical point of view and focuses on core concepts and methods of the socio-legal studies discipline rather than on personal, practical, or applied aspects of a particular jurisdiction. This course is not intended to replace BUS 18A, BUS 18B, or BUS 19 or business majors or minors. (HBCU, UC, CSU, C-ID LPPS 110)

### **BUS 8H Honors Introduction to Law and Society**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D

This introductory level honors course provides an explanation of different sources of law, including statutes, court cases and administrative agency rules, and it reviews schools of jurisprudence, basic legal reasoning, canons of statutory interpretation, argumentation, and introductory socio-legal theory with perspectives and research methods of the social and behavioral sciences. Additionally, the course introduces an overview of various classifications of law and legal systems in global society, including such classifications as civil law and common law, as well as selected legal specialties and landmark cases in areas such as civil rights law, constitutional law, business law, criminal law, antitrust law, environmental and land use law, family law, real property law, contract law, employment and labor law, immigration law, intellectual property law, and other areas of law in society. Also included is a review of the principles and theories of legal ethics, social justice, critical legal studies, and law in action. Material is presented from a theoretical point of view and focuses on core concepts and methods of the socio-legal studies discipline rather than on personal,

## COURSE DESCRIPTIONS

practical, or applied aspects of a particular jurisdiction. This course is an honors level introduction to law and society, including encouraging application of course knowledge to real-world problems/situations. This course is not intended to replace BUS 18A, 18B (Business Law), or BUS 19 (Legal Environment of Business) for business majors or minors. Since BUS 8H and BUS 8 are equivalent courses, credit may be awarded for either BUS 8H or BUS 8 but not both. (UC, CSU)

### **BUS 10A Bookkeeping**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E and MATH 37 or MATH 37EX with a grade of "C" or better. This course is an introductory study of bookkeeping procedures relating to sole proprietorship companies. The course covers the entire accounting cycle of both service and merchandising companies. Topics covered are sales, receivables, purchases, payables, inventory, depreciation, cash management, bank reconciliation, payroll and payroll tax calculations, trial balance, and financial statement reporting. (HBCU, CSU)

### **BUS 11 Income Tax Procedures**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course covers federal and California individual income tax preparation and planning. Topics include filing status, exemptions, income and exclusions, business expenses, itemized deductions, credits, capital gains, depreciation, tax payments, California tax, IRS and FTB, and audits. (CSU)

### **BUS 12 Latinx and Latin American Culture and Entrepreneurship**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

The impact and influence of Latinx and Latin American culture on local and global business operations and opportunities continues to grow, and the rate at which new Latinx

firms are being created outpaces the fast-paced Latinx population growth in the United States. Immigrants, Latinas, and younger generations lead a significant portion of this entrepreneurial activity. This course provides insights on Latinx business culture and the barriers, contributions, and successes of Latinx entrepreneurs and workers. Students learn about the structures, policies, values, and ideologies that influence Latinx culture and experiences in a variety of sectors. While comparing the cultures and realities of Latinx and Latin American entrepreneurs and workers in the United States and Latin America, course topics trace their parallel experiences, including the ways in which business, economics, politics, and social movements shape their histories and opportunities. The course analyzes the Latinx experience in the U.S. with a special focus on cultural affirmation and strategies for economic and social empowerment through immigrant and ethnic entrepreneurship. Course lessons explore intersectionality and stress the multiplicity of the U.S. Latinx community, drawing comparative lessons from indigenous and immigrant experiences and patterns of economic participation, enterprise, and socio-political mobilization. (UC, CSU)

### **BUS 15 Excel Spreadsheets**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to take the student's level of Microsoft Excel proficiency from basic to advanced. Focus is placed on business, accounting, and personal-use features of Excel. The student will construct formulas to perform accounting functions used in budgets, payroll, bookkeeping, and other financial tracking statements. The student will gain hands-on experience with presenting the data in visually appealing formats, including creating tables, charts, and additional graphical layouts and functions. (CSU)

### **BUS 17 Business English**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every

term

This course is designed to provide the student with writing skills to communicate effectively in a business environment. The student writes traditional business communication such as memorandums, letters, and reports, and is introduced to various electronic methods of business communication including e-mails, websites, blogs, and other social networking media used in business communication. Focus is placed on written business communication, and introduces the student to oral business communication. (HBCU, CSU)

### **BUS 18A Business Law**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is a basic course in law and its relationship to business. Topics include a study of concepts and cases involving the legal system, dispute resolution, torts, contracts, and other areas of commercial law. (UC, CSU, C-ID BUS 125)

### **BUS 18B Business Law**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

**Advisories:** BUS 18A with a grade of "C" or better.

This course is a continuation of the study of legal principles affecting business with emphasis upon partnerships, corporations, sales, commercial paper, creditors' rights, bankruptcy, insurance, real and personal property, estates and trusts, consumer protection, and international law. (UC, CSU)

### **BUS 19 Legal Environment of Business**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course covers the fundamental legal principles pertaining to business transactions. It is an introduction to the law as an instrument of social and political control in society. Topics in the course include sources of law and ethics, contracts, torts, agency, judicial and administrative

## COURSE DESCRIPTIONS

processes, employment law, forms of business organizations, and domestic and international governmental regulations. (CSU, C-ID BUS 120)

### **BUS 20 Introduction to Business** **Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6

**Term Typically Offered:** Every term

This course is designed to provide a multidisciplinary understanding of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices within the U.S. and the global society. The course includes business organizational structure and design; leadership, human resource management, organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting, financial practices; and the stock and securities market. (UC, CSU, C-ID BUS 110)

### **BUS 21 Marketing**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to the field of marketing. The course provides a background for more specialized study in fields of advertising, selling, and retailing. Topics include: the marketing concept; market segmentation; consumer and organizational buying behavior; channels of distribution; personal selling; pricing; and the use of new technologies. (CSU)

### **BUS 22 Professional Selling**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introductory course in sales. This course is designed for the student to understand and use aspects of sales to improve business performance and enhance students' career prospects. Students will develop a professional attitude toward selling and a better understanding of self; learn how to sell themselves before selling a

product, service, or idea; learn the principles and rules of persuasion; begin to understand customers and their actions, and develop the techniques of selling and persuasion. (HBCU, CSU)

### **BUS 23 Advertising**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to advertising principles and techniques. The course includes the theory and role of advertising in our global economic system. The course includes principles of layout and copy, advertising production, and media selection. The course also focuses on integrated marketing communications and advertising using online and social media. (HBCU, CSU)

### **BUS 24 Retail Management**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Advisories:** BUS 20 with a grade of "C" or better.

This course is designed to focus on retail store operations with an emphasis on consumer behavior, store location and layout, merchandising, pricing, retail promotion and advertising, human resource management, and legal and ethical issues. This course will also cover developments in globalization, multi-channel retailing, and the use of the Internet to improve operating efficiencies and customer service. (CSU)

### **BUS 26 Economics of Business**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

This course is an introductory course in economics. The course includes a study of the United States economic system, other economic systems, resource allocation, factors of production, competition, labor, government and economic policy, the private sector, monetary policy, and supply and demand. (HBCU, UC, CSU)

### **BUS 28 Entrepreneurial Mindset**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

A study of the process that enables students with limited resources to transform a simple idea into a sustainable success. Students will learn how to apply fundamental aspects of entrepreneurial thinking across disciplines. Students will develop an "entrepreneurial mindset" - the underlying beliefs and assumptions that drive the behaviors that allow entrepreneurs to succeed. (CSU)

### **BUS 29 Introduction to Entrepreneurship**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

The student will evaluate the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The student will understand the role of entrepreneurial businesses in the United States and the impact on our national and global economy. (CSU)

### **BUS 30 Supervision and Human Relations**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to supervision within an organizational framework. The course includes the study of human perception, communication, motivation, leadership techniques, management styles, work planning, and performance appraisal. (HBCU, CSU)

### **BUS 31 Introduction to Management**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to the principles of good management and the effective utilization of human and material resources to achieve the objectives of an enterprise. The course emphasizes the planning,

## COURSE DESCRIPTIONS

organizing, staffing, directing, and controlling functions of management. The course also includes effective communication, motivation, and managing for change. (HBCU, CSU)

### **BUS 32 Managing Diversity and Inclusion**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 5; CSU Area D

**Term Typically Offered:** Every fall term

This course explores race, culture, gender, and ethnicity as it relates to organizations. It focuses on theoretical and applied concepts and skills essential to managing diversity and multiculturalism within domestic and global organizations. Topics include the effects of bias and prejudice in organizations and effective methods in developing a cohesive workplace culture in a multicultural environment. We will examine individual differences and consider paradigms that promote inclusion. The following cultures are addressed: Asian, Black/African Americans, Mexican/ Latinx/ Chicana, and Native Americans. (HBCU, CSU)

### **BUS 33 Introduction to Public Administration and Policy**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is an introduction to the study of principles and challenges in public administration, including the processes of policy formation, implementation, and evaluation. Course topics include the political environment, personnel management, public and social policy, governmental regulations, public relations, strategic management, labor relations, public financial management, accountability, and ethics. Government service as a career is discussed. Since BUS 33 and LAW 33 are cross listed courses, credit may be awarded for either BUS 33 or LAW 33 but not both. (CSU)

### **BUS 35 Introduction to Leadership**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or

Pass/No Pass

**Term Typically Offered:** Every fall term

This course builds awareness of personal traits and styles in developing leadership skills and philosophy. The course is organized around key leader responsibilities such as creating a vision, establishing a constructive climate, and overcoming obstacles. Topics include how leaders can embrace diversity and inclusion, as well as the dark side of leadership and ethical leadership styles. (CSU)

### **BUS 36 Human Resources Management**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is an introduction to the study and analysis of personnel and human resource management. It covers essential topics such as managing human resources in a globalized environment, employee retention, training, evaluation and compensation, and labor laws. This course provides an overview that is helpful for selecting a specific career in the field of business or management. Developing the job descriptions, defining job qualifications, interviewing skills and human behavioral factors related to business and industry are included in this course. (CSU)

### **BUS 37 Human Behavior in Organizations**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is an introduction to the analysis of individual behavioral characteristics within organizations and management teams. Information provided enables the student to determine a course of action to influence attitudes, perceptions and/or behaviors of an individual or groups. Topics include individual motivations and group dynamics, conflict sources and resolution techniques, leadership skills and styles, decision making processes, and task delegation methods. Organizational concepts of communication and information processing, goal setting, control processes and management by objectives are related to the

enhancement of organizational productivity. (CSU)

### **BUS 40 Real Estate Principles**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to principles of California real estate, including an introduction to property rights, legal descriptions, encumbrances, agency, contracts, transfers, finance, lenders, appraisal, escrow, government's role and regulations, taxation, and licensing requirements. The course is designed to meet the needs of both a general student and the individual desiring employment in the field or related areas. The course is applicable toward a requirement for state licensure as a salesperson, broker, or real estate appraiser. (CSU)

### **BUS 41 Real Estate Practice**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** BUS 40 with a grade of "C" or better.

This course is an introduction to the practices and techniques of a real estate broker and salesperson. Topics include: developing a market analysis, listing property for sale or lease, sales procedures, financing, closing costs, escrow routine, advertising, managing the real estate office, public relations, bias (explicit, implicit, systemic), federal and state fair housing laws, and professional ethics. This course is applicable toward a requirement for state licensure as a salesperson or broker. (HBCU, CSU)

### **BUS 42 Real Estate Finance**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** BUS 40 with a grade of "C" or better.

This course is an introduction to current financial practices and legislation related to real property transactions. The course includes regulations, principles, practices, and terminology of financing real estate property. The course is designed to assist the student in the banking, savings and loan, real

## COURSE DESCRIPTIONS

estate, and legal fields to understand and apply these regulations and computations. The course is applicable toward a requirement for state licensure as a real estate salesperson or broker. (CSU)

### **BUS 43 Legal Aspects of Real Estate**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** BUS 40 with a grade of "C" or better.

This course is an introduction to California real estate law. Topics include contracts, land titles, agency, acquisition and conveyance, security devices, liens, financing, foreclosure, land use and regulation, probate, and owner-tenant issues. The course is applicable toward a requirement for state licensure as a real estate salesperson or broker. (CSU)

### **BUS 44 Real Estate Appraisal**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** BUS 40 with a grade of "C" or better.

This course is an introduction to the principles, theories, and methods used in appraisal of real property. The course is a practical guide for the broker, salesperson, appraisal trainee, investor, and consumer. Appraisal techniques such as statistical analysis and income capitalization are introduced. The course is applicable toward a requirement for California Real Estate Salesperson and Broker exams and licenses. (CSU)

### **BUS 45 Real Estate Economics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** BUS 40 with a grade of "C" or better.

This course is an introduction to economic principles related to real estate markets and land use. The course is recommended for the individual planning to appraise real property. Topics include: factors that influence prices, money and credit, land utilization, land use planning and controls, impact of

taxation, regional and community development, and required government reports. The course is applicable toward a requirement for state licensure in real estate sales or brokerage. (CSU)

### **BUS 46 Property Management**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is a basic, but comprehensive, course in the management and operation of income properties, such as a residential, office, shopping center, and condominium. The course includes the background and fundamentals of the investment, property selection and evaluation, lease performance objectives, maintenance, administration and management, California landlord/tenant law, the role of the manager and property management as a profession, and owner/tenant relations. The course is applicable toward a requirement for state licensure as a real estate salesperson, broker, or real estate appraiser. (CSU)

### **BUS 50SS Special Studies:**

**Multidisciplinary**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** BIM 38 Office Technologies and Procedures or BIM 39 Office Management or BIM 43 Records Management in Public Agencies or BIM 81 Records and Database Management or BUS 1A Principles of Accounting or BUS 18A Business Law or BUS 18B Business Law or BUS 19 Legal Environment of Business or BUS 20 Introduction to Business or BUS 21 Marketing or BUS 23 Advertising or BUS 33 Introduction to Public Administration and Policy or BUS 88 Introduction to Municipal Clerkship or BUS 40 Real Estate Principles or BUS 41 Real Estate Practice or BUS 43 Legal Aspects of Real Estate or BUS 51 Introduction to Transportation or BUS 57 Introduction to Logistics or BUS 94D The Law and the Small Business or BUS 94E Marketing and Advertising Strategies for Small Business with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in the fields of accounting, advertising, banking, business, business information management, co-operative and social enterprises, finance, human resources, labor relations, land use development and investment, law, logistics, marketing, nonprofits, public administration, public affairs, public or social policy, real estate, social/economic justice and corporate social responsibility, or urban planning. The course may include research, directed reading, field work, or advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

### **BUS 51 Introduction to Transportation**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is an introduction to the field of transportation. The course includes the role and regulation of domestic transportation, basic modes of transportation, governmental influences on transportation, traffic management and control decisions, and intrastate transportation considerations. (CSU)

### **BUS 55 International Business**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is a comprehensive overview of international business designed to provide a global perspective on international trade, including foreign investments, impact of financial markets, international marketing, and the operation of multinational companies. (CSU)

### **BUS 57 Introduction to Logistics**

**Units:** 3

**Hours:** 54 hours LEC

## COURSE DESCRIPTIONS

### **Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is an introduction to logistics. Logistics is the process of planning, implementing and controlling the efficient flow of materials from suppliers to the ultimate customer. Students will be introduced to and learn the importance of major logistics functions including material receipt, handling and storage, purchasing, inbound and outbound logistics operations, physical distribution, and logistics information technology systems. The course will acquaint the student with introductory facets of supply chain management within the logistical channel. (CSU)

### **BUS 60 Small Business Management**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to small business and its role in the American free enterprise system. The focus is on basic business principles, practices and procedures to effectively operate a small business. Topics include starting a business, the legal structure, marketing, human resources, financing, business plan, as well as other management principles applicable to small business owners. (HBCU, CSU)

### **BUS 67 Introduction to Personal Finance**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process. This course is designed to empower students with various tools to manage their money and make sound lifelong financial decisions. Topics include financial planning, money management, taxes, consumerism, insurance, investment analysis, retirement planning, home ownership and credit management. This course uses financial, tax and mathematical calculations. Students

will examine how personal financial management impacts individuals and families and how to calculate the financial impacts of their decisions. (CSU, HBCU)

### **BUS 68V Internship: Pathway to Law Program**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

#### **Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student participating in an occupational internship in a law-related occupation through the Pathway to Law program. Application of discipline-related skills and knowledge of the Secretaries' Commission on Achieving Necessary Skills (SCANS) competencies and/or the Shultz-Zedeck Lawyering Competencies (Effectiveness Factors) is emphasized. Each student is engaged in a specific research project or on-the-job learning activities under the supervision of a worksite supervisor and a college internship instructor and Pathway to Law program coordinator. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. (CSU)

### **BUS 70 Payroll Accounting**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every even spring term

**Advisories:** BUS 10A with a grade of "C" or better.

This course is an introductory study of payroll accounting. Students will be introduced to various laws and practices related to wages and payroll taxes. Emphasis will be placed on calculations of gross wages, mandatory and voluntary payroll deductions, net wages, and employer payroll tax expenses as well as federal and state payroll tax forms.

### **BUS 83A Communication in the Workplace**

**Units:** 0.5

**Hours:** 9 hours LEC

**Grade Options:** Pass/No Pass

This course is designed to introduce participants to key elements of communication in the workplace. Topics include verbal and nonverbal communication as well as listening skills. Units earned in this course do not count toward the associate degree.

### **BUS 83B Customer Service Techniques**

**Units:** 0.5

**Hours:** 9 hours LEC

**Grade Options:** Pass/No Pass

This course is designed to explore key skills and attitudes necessary to effectively meet the customer's needs in the workplace. Participants will be introduced to concepts and appropriate techniques for dealing with internal and external customers, enhancing customer satisfaction, and ensuring positive communication.

### **BUS 83C Team Building for the Workplace**

**Units:** 0.5

**Hours:** 9 hours LEC

**Grade Options:** Pass/No Pass

This course is designed to provide the student with an understanding of how teams work together, common problems teams encounter, and how to solve them in the workplace. Students will learn to recognize various personalities and how their strengths and weaknesses impact a team. Students will be introduced to team building in the workplace. Units earned in this course do not count toward the associate degree.

### **BUS 83D Attitude in the Workplace**

**Units:** 0.5

**Hours:** 9 hours LEC

**Grade Options:** Pass/No Pass

This course is designed to provide students with certain key skills in the area of attitude so that they may effectively maintain a positive attitude in the workplace. Students will be introduced to the concepts of how attitudes are communicated and how to adjust one's attitude. Units earned in this course do not count toward the associate degree.

## COURSE DESCRIPTIONS

### **BUS 83E Values and Ethics in the Workplace**

**Units:** 0.5

**Hours:** 9 hours LEC

**Grade Options:** Pass/No Pass

This course is designed to acquaint the participant with the importance of values and ethics in the workplace. Emphasis will be placed on how values influence actions, evaluating one's ethical behavior, and helping people do the right thing in the workplace. Units earned in this course do not count toward the associate degree.

### **BUS 83F Time Management for the Workplace**

**Units:** 0.5

**Hours:** 9 hours LEC

**Grade Options:** Pass/No Pass

This course is designed to introduce the student to time management principles for the workplace and specific tools that assist in making maximum use of time. Emphasis will be placed on how to prioritize, identifying time wasters, and goal setting. Units earned in this course do not count toward the associate degree.

### **BUS 83G Stress Management for the Workplace**

**Units:** 0.5

**Hours:** 9 hours LEC

**Grade Options:** Pass/No Pass

This course is designed to acquaint the participant with key elements of stress management for the workplace. Topics will include the recognition of stress, causes of stress, and the benefits of stress management. Various stress management techniques will be covered. Units earned in this course do not count toward the associate degree.

### **BUS 83H Conflict Management for the Workplace**

**Units:** 0.5

**Hours:** 9 hours LEC

**Grade Options:** Pass/No Pass

This course is designed to introduce participants to the meaning of conflict, the causes of conflict, and strategies for resolving interpersonal conflict in the workplace as well as dealing with difficult customers.

### **BUS 83I Decision Making and Problem Solving for the Workplace**

**Units:** 0.5

**Hours:** 9 hours LEC

**Grade Options:** Pass/No Pass

This course is designed to introduce the student to decision making and problem solving techniques including brainstorming, creativity in the workplace, how to find new perspectives, and seeking alternatives.

### **BUS 83J Managing Organizational Change for the Workplace**

**Units:** 0.5

**Hours:** 9 hours LEC

**Grade Options:** Pass/No Pass

This course is designed to provide the participant with an understanding of change and the influence it has on an organization and the individuals in that organization. Topics will include understanding organizational change, stages of change, and how to manage organizational change.

### **BUS 84 Purchasing and Supply Management**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is a study of purchasing and materials activities within the supply chain. Students will study the purchasing and supply manager responsibilities including the identification, acquisition, positioning and management of materials, services and equipment needed by organizations to attain their goals. Emphasis is on decision making, integration with suppliers, critical internal relationships and customer (end user) service.

### **BUS 86 Introduction to Warehouse Management**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

This course is an overview of essential warehouse management concepts, processes and technologies. Topics include the role of the warehouse, the warehouse manager, as well as current issues and trends in warehouse management.

### **BUS 87 Small Business Accounting**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

This course is designed to empower small business owners and entrepreneurs with basic accounting skills. Topics include financial statement analysis, taxes, financing needs, options to facilitate continued operations as well as future growth. Managerial accounting topics will include cost-volume-profit relationships and how to plan for and control costs.

### **BUS 88 Introduction to Municipal Clerkship**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is an introduction to practices, policies, and regulations of a municipal government as they relate to the duties of a municipal clerk. Topics include: public relations, organization, administration, legislative procedures, meeting preparation and minutes, election planning and procedures, land use issues, licenses and permits, projects and capital improvements, contract and deeds processing, and an overview of records management.

### **BUS 89 QuickBooks**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Advisories:** BUS 10A with a grade of "C" or better.

This course is designed to introduce computerized accounting using QuickBooks. The course provides practical experience in the use of master files, transactions, and reports. The student manipulates software features to accomplish accounting cycle tasks pertaining to a service business and a merchandising business. Tasks include creating a company, recording transactions, closing an accounting period and preparing reports.

### **BUS 94A Small Business Start Up**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed especially for the individual wanting to start his or her own business. The course

## COURSE DESCRIPTIONS

emphasizes the need for planning and the financial considerations needed prior to opening a business. The course guides the student through the preliminary process of creating a business plan. In addition, course topics include choosing the legal structure of the business, business financing, location, and franchising.

### **BUS 94B Essential Topics for Small Business**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed for an individual who currently owns, or would like to own his or her own business. Course topics include market research, the need for a marketing plan, image development, and advertising. Local licensing and zoning laws are discussed. The student learns how to write and present the final draft of the business plan to potential lenders and investors.

### **BUS 94C The New Entrepreneur**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed for an individual who currently owns, or would like to own his or her own business. The course introduces the legal steps to form a business and covers various legal business structures. This course covers legal documentation and record-keeping systems. Other topics include classification of business activity, Intellectual Property, risk management, crime prevention, e-commerce, ethical business practices, and basic financial management principles.

### **BUS 94D The Law and the Small Business**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to describe and interpret the basic laws governing business and commercial relationships relating to small business. Topics include legal information regarding sole proprietorship, partnership, limited partnership, corporation, and joint

venture. The course also focuses on contracts, employment law, copyrights, patents, trademarks, and other legal considerations.

### **BUS 94E Marketing and Advertising Strategies for Small Business**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to identify ideas, methods, and techniques to market small businesses effectively and successfully. Topics include brand-building, marketing strategies, public relations, direct marketing, direct mail, low-cost advertising, media placement, basic marketing plans, and advertising budgets. E-marketing tools and the use of social media marketing are also covered.

### **BUS 94F Customer Service Strategies**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to teach the business owners in any industry how to implement user-friendly and results-oriented customer service systems. Topics include how to satisfy the customer, the importance of customer service, how to measure customer satisfaction in the use of questionnaires and surveys, and how to set up customer service systems. The course also focuses on customer service as a marketing tool.

### **BUS 98V Work Experience: Business, Accounting, & Business Information Management**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student employed in a business or

administrative professional related position, such as administrative assistant, receptionist, banking, transportation, real estate, accounting, or business information management related positions. The course objectives are developed in consultation with a work supervisor. The student is engaged in a specific research project or on-the-job learning activities under the supervisor and the college work experience instructor. Credit may be accrued at the rate of one to four units per semester for a total of sixteen units. Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. Units earned in this course do not count toward the associate degree.

### **BUS 194E Marketing and Advertising Strategies for Small Business**

**Units:** 0

**Hours:** 18 hours LEC

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every fall term

This noncredit course is designed to identify ideas, methods, and techniques to market small businesses effectively and successfully. Topics include brand-building, marketing strategies, public relations, direct marketing, direct mail, low-cost advertising, media placement, basic marketing plans, and advertising budgets. E-marketing tools and the use of social media marketing are also covered. Noncredit courses may be repeated.

### **BUS /LAW 33 Introduction to Public Administration and Policy**

**Units:** 3

**Hours:** 54 hours LEC

**Term Typically Offered:** Every fall term

This course is an interdisciplinary introduction to the study of principles, theories, methods, and challenges in public administration and policy, including policy studies, policy issues, and the processes of policy and program analysis, formation, implementation, and

## COURSE DESCRIPTIONS

evaluation. This course explores the theoretical rationale for governmental activity, theories of policymaking, the study of policy determinants, and proposals for improved decision making. Examines a diverse set of select policy topics, such as environment, health, education, and social policy, among others. Course concepts include policy theory, the political environment, personnel management, public and social policy, governmental regulations, public relations, strategic management, labor relations, public financial management, accountability, and ethics. Government service as a career is discussed. Since BUS 33 and LAW 33 are cross listed courses, credit may be awarded for either BUS 33 or LAW 33 but not both. (HBCU, CSU)

### Business Information Management

#### **BIM 1A Beginning Keyboarding** **Units:** 1

**Hours:** 18 hours LEC; 9 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

This course is an introduction to touch keyboarding skills on a personal computer with standard typing keyboard for alphabetic, numeric, and symbol keys. The student learns proper touch keyboarding techniques to establish threshold speed and accuracy. Keyboarding focus is placed on speed and accuracy of 3-minute timed writing based on Gross Words A Minute (GWAM). An official typing certificate is awarded to students meeting current industry typing test certificate guidelines. (HBCU, CSU)

#### **BIM 1B Intermediate Keyboarding and Microsoft Word Business Documents Formatting** **Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Advisories:** BIM 1A with a grade of "C" or better.

This course is designed to develop the keyboard-proficient student to increase speed and accuracy using proper keyboarding techniques. Keyboarding focus is placed on

speed and accuracy of a 5-minute timed writing based on Net Words Per Minute (WPM). An official typing certificate is awarded to students meeting current industry typing test certificate guidelines for a 5-minute timed writing. Students will learn beginning to intermediate features of Microsoft Word and formatting guidelines of the most common business documents, including industry standard formatting of e-mails, memorandums, business letters, academic reports, and business reports. (HBCU, CSU)

#### **BIM 15 Selected Topics: Business Information Management** **Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized area of Department not already covered by the existing curriculum. (CSU)

#### **BIM 38 Office Technologies and Procedures** **Units:** 3.5

**Hours:** 54 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

This course provides applied practical hands-on instruction with current office technologies for the administrative office professional. Students gain practical experience with up-to-date office technologies, such as webcams for video conferencing, multi-functional printers with PDF scanning capabilities, and office applications software. Topics include basic skills for searching the Internet and introduces an overview of Google Suite, Microsoft Office Professional Suite, and free online open-source software that assists office professionals with increasing time management and productivity. The course integrates administrative office soft-skills with office technologies necessary to take the user into the evolving 21st century workplace. (CSU)

#### **BIM 39 Office Management** **Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

This course is designed to introduce basic principles of office administration and office

management. The course covers organizational principles, problem-solving techniques, hiring and selecting employees, as well as developing and motivating office employees. (HBCU, CSU)

#### **BIM 43 Records Management in Public Agencies**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to the management of public and other records in public agencies. Topics include: records management systems, records inventory, records classification, imaging technology, retention, storage, retrieval and transfer, archival methods, electronic records systems and computer based records management systems in the public sector. (CSU)

#### **BIM 76 Selected Topics: Business Information Management** **Units:** 0.5-4

This course is designed to offer instruction in one or more of the specialized areas of business information management not already covered by the existing curriculum.

#### **BIM 79 Microsoft Outlook** **Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course provides beginning to intermediate Microsoft Outlook training. The course teaches Microsoft Outlook 365 and the most current desktop version of Microsoft Outlook. Topics include setting up and using Outlook as an e-mail system, organizing contacts, maintaining the Outlook calendar, corresponding using Outlook e-mail, and recording tasks and writing notes. The Microsoft Outlook skills taught in this course focus on performance and efficiency of Microsoft Outlook to maximize user's experience and productivity.

#### **BIM 80 Microsoft Access: Comprehensive**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

## COURSE DESCRIPTIONS

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every even spring term

This course is a beginning to intermediate comprehensive study of Microsoft Office Access, a software application program used to create and manage computerized databases from a user's perspective. Students apply fundamental database concepts to create databases, tables, queries, and forms. Data is entered and edited to build records that can be sorted, modified, and queried for database analysis. Units earned in this course do not count toward the Associate Degree.

### **BIM 81 Records and Database Management**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to build an understanding of the basic principles and procedures of manual and electronic records storage, records control, and retrieval of business records and data. The course provides specific filing rules compatible with the Association of Records Managers and Administrators (ARMA) guidelines for alphabetic indexing applied to alphabetic, geographic, subject, and numeric methods of records storage. In addition to traditional filing and records management rules and methodologies, students learn to navigate within an electronic records database. The course includes an introduction to the concepts of using database software, such as Microsoft Access, for business professionals. It provides the fundamental principles and techniques of traditional record keeping, with an introduction to electronic database software.

### **BIM 101A Beginning Keyboarding**

**Units:** 0

**Hours:** 18 hours LEC; 9 hours LAB

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

This noncredit course is an introduction to touch keyboarding skills on a personal computer with standard typing keyboard for alphabetic, numeric, and symbol keys. The student learns proper

touch keyboarding techniques to establish threshold speed and accuracy. Keyboarding focus is placed on speed and accuracy of 3-minute timed writing based on Gross Words A Minute (GWAM). An official typing certificate is awarded to students meeting current industry typing test certificate guidelines. Noncredit courses may be repeated.

### **BIM 101B Intermediate Keyboarding and Microsoft Word Business Documents Formatting**

**Units:** 0

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Pass/No Pass

This noncredit course is designed to develop the keyboard-proficient student to increase speed and accuracy using proper keyboarding techniques. Keyboarding focus is placed on speed and accuracy of a 5-minute timed writing based on Net Words Per Minute (WPM). An official typing certificate is awarded to students meeting current industry typing test certificate guidelines for a 5-minute timed writing. Students will learn beginning to intermediate features of Microsoft Word and formatting guidelines of the most common business documents, including industry standard formatting of e-mails, memorandums, business letters, academic reports, and business reports. Noncredit courses may be repeated.

### **Bim 179 Microsoft Outlook**

**Units:** 0

**Hours:** 36 hours LEC

**Grade Options:** Pass/No Pass

This noncredit course provides beginning to intermediate Microsoft Outlook training. The course teaches Microsoft Outlook 365 and the most current desktop version of Microsoft Outlook. Topics include setting up and using Outlook as an e-mail system, organizing contacts, maintaining the Outlook calendar, corresponding using Outlook e-mail, and recording tasks and writing notes. The Microsoft Outlook skills taught in this course focus on performance and efficiency of Microsoft Outlook to maximize user's experience and productivity. Noncredit courses may be repeated.

### **BIM 180 Microsoft Access: Comprehensive**

**Units:** 0

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Pass/No Pass

This noncredit course is a beginning to intermediate comprehensive study of Microsoft Office Access, a software application program used to create and manage computerized databases from a user's perspective. Students apply fundamental database concepts to create databases, tables, queries, and forms. Data is entered and edited to build records that can be sorted, modified, and queried for database analysis. Noncredit courses may be repeated.

## **Caterpillar: Apprenticeship**

### **CAT 21 Agricultural Welding**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Admission into the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. This course is designed to introduce the techniques used in the construction and repair of agricultural equipment. The student uses arc welders and oxy-acetylene torches for fusion welding, heating, brazing, cutting, and hardsurfacing metals. Metal Inert Gas (MIG) and Tungsten Inert Gas (TIG) welding are emphasized. Since CAT 21 and AGEGR 21 are cross listed courses, credit may be awarded for either CAT 21 or AGEGR 21 but not both. (HBCU, CSU)

### **CAT 69V Internship: Heavy Equipment-Caterpillar**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

#### **Limitations on Enrollment:**

Admission into the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to

## COURSE DESCRIPTIONS

their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student participating in an occupational internship in Heavy Equipment-Caterpillar. Application of discipline-related skills and knowledge of the Secretaries' Commission on Achieving Necessary Skills (SCANS) competencies is emphasized. Each student is engaged in a specific research project or on-the-job learning activities under the supervision of a worksite supervisor and a college internship instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. (HBCU, CSU)

### **CAT 80 Caterpillar Service**

#### **Industry**

**Units:** 3

**Hours:** 45 hours LEC; 45 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Admission to the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice.

This course is designed to introduce the student to the Caterpillar organization, basic shop safety, shop equipment, and shop operation.

### **CAT 81 Caterpillar Engine Fundamentals**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Admission into the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. This course is designed to introduce the student to basic diesel engine theory and service procedures. Caterpillar engine systems and applications are studied. Several Caterpillar engines are presented with emphasis on the Caterpillar 3406 diesel engine due to its high field population.

### **CAT 82 Fundamentals of Hydraulics**

**Units:** 3

**Hours:** 45 hours LEC; 45 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Admission into the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. This course is a practical study of the basic principles and components of hydraulic circuits and the application of these principles to Caterpillar agricultural and construction equipment. Major emphasis is on developing the student's competencies in the areas of servicing and maintaining hydraulic equipment.

### **CAT 83 Caterpillar Engine Fuel Systems**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Admission into Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. This course is designed to introduce the student to the various fuel systems used on Caterpillar engines. The student will become familiar with fuel selection, fuel system calibrations, nozzle testing, governor operation, and hydraulic fuel ratio controls.

### **CAT 84 Fundamentals of Electrical Systems**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Admission into the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. This course is designed to introduce the student to basic electrical and electronic fundamentals needed by a technician to properly diagnose and repair the complex electrical systems installed in Caterpillar machines.

### **CAT 85 Caterpillar Air Conditioning**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

#### **Limitations on Enrollment:**

Admission into the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. This course is designed to provide an introduction into the basic theory and principles of air conditioning as they relate to Caterpillar equipment. Use of equipment to diagnose and repair malfunctions, including repair of component parts and the charging and recharging of systems is stressed in the laboratory.

### **CAT 86 Fundamentals of Caterpillar Power Trains**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

#### **Limitations on Enrollment:**

Admission into the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. This course is designed as a study of the various transmissions and differentials used in Caterpillar equipment including: constant mesh, sliding gear, hydrostatic synchromesh, and power shift transmissions involving planetaries.

### **CAT 87 Caterpillar Machine Hydraulic Systems**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

#### **Limitations on Enrollment:**

Admission into the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. This course is designed for inspecting, testing, servicing, and diagnosing Caterpillar hydraulic systems and components.

### **CAT 90 Caterpillar Undercarriage and Final Drive**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

## COURSE DESCRIPTIONS

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:**

Admission into the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. This course is designed to identify the methods of transferring power from the engine through the drivetrain components. The course discusses differentials, brakes, tires, final drives, chain drives and undercarriage.

**CAT 91 Caterpillar Machine Electronic Systems**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:**

Admission into the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. This course is designed to provide the background needed to diagnose and repair sophisticated electronics and computerized circuits found on Caterpillar equipment and engines. Basic electronic concepts, component function, and system operation are covered. The student uses Caterpillar procedures to identify malfunctions and to test the systems properly.

**CAT 92 Caterpillar Engine Performance**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Admission into the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. This course is designed to provide a thorough understanding of the necessary diagnostic skills required for troubleshooting Caterpillar engines and fuel systems. Emphasis is placed upon knowledge and skills necessary to assure product reliability and performance.

**CAT 93 Caterpillar Diagnostic Testing**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Admission into the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. This course is an in-depth study of engine diagnostics and repair techniques. The course includes on-iron activities diagnosing and correcting engine problems. The student learns proper selection and use of Caterpillar diagnostic tools. The four major engine systems studied are oil, air, cooling, and fuel.

**CAT 94 Caterpillar Machine Specific Systems**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Admission into the Associate Degree Caterpillar Technician Program. Student is a registered State indentured apprentice. This course is designed to develop knowledge and skills used to test and adjust specific Caterpillar machine systems.

## Chemistry

**CHEM 1A General Chemistry**

**Units:** 5

**Hours:** 54 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every term

**Prerequisites:** CHEM 3A Introduction to Chemistry or one year high school chemistry with a grade of "C" or better, and successful completion of Intermediate Algebra or appropriate placement as determined by the college's multiple measures assessment process.

This course is designed as a technical introduction to chemistry for the student intending to major in chemistry, medicine, dentistry, pharmacy and other science oriented careers which require a rigorous understanding of the fundamental principles of chemistry. (HBCU, UC, CSU, C-ID

CHEM 110, CHEM 1A + CHEM 1B = C-ID 120S)

**CHEM 1B General Chemistry**

**Units:** 5

**Hours:** 54 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every term

**Prerequisites:** CHEM 1A General Chemistry with a grade of "C" or better.

This course is the second semester of a one-year sequence in general chemistry designed for the student intending to major in chemistry, medicine, dentistry, pharmacy, etc., each of which require a rigorous understanding of the fundamental principles of chemistry. The topics covered will include, but not be limited to, acids and bases, chemical equilibrium, thermodynamics, oxidation-reduction, chemical kinetics, nuclear chemistry, descriptive chemistry, and coordination chemistry. The laboratory portion of the course will support the above topics including both qualitative and quantitative experiments, analysis of data and error propagation. (HBCU, UC, CSU, CHEM 1A + 1B = C-ID CHEM 120S)

**CHEM 3A Introduction to Chemistry**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process. This course is designed to meet the chemistry requirements for registered nursing, agriculture, home economics majors, and certain other majors in the biological sciences. (HBCU, UC, CSU, C-ID CHEM 101)

**CHEM 10 Exploring Everyday Chemistry**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

## COURSE DESCRIPTIONS

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Beginning Algebra or appropriate placement based as determined by the college's multiple measures assessment process. This course is designed to provide an introduction to chemistry and the role it plays in modern society. The course is designed for non-science majors such as liberal arts, social science, education, or anyone who is curious about the chemistry involved in everyday things. The student learns about topics of current interest and global importance, including global warming, depletion of the ozone layer, energy, and health issues. (HBCU, UC, CSU, C-ID CHEM 100)

### **CHEM 12A Organic Chemistry** **Units:** 5

**Hours:** 54 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every fall term

**Prerequisites:** CHEM 1B General Chemistry with a grade of "C" or better.

This course is designed as a technical and experimental introduction to Organic Chemistry for the student intending to major in premedicine, pre dental, pharmacy, chemistry, biology, and chemical engineering. Each of these requires a rigorous understanding of the fundamental principles of organic chemistry, including the nomenclature, reactions and reaction mechanisms of both aliphatic and aromatic hydrocarbons plus those of functional group compounds. (HBCU, UC, CSU, C-ID CHEM 12A + 12B = C-ID 160S)

### **CHEM 12B Organic Chemistry** **Units:** 5

**Hours:** 54 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every spring term

**Prerequisites:** CHEM 12A Organic Chemistry with a grade of "C" or better.

This course is designed as a continuation of CHEM 12A. The course includes a further study of the fundamental principles of

organic chemistry and how they relate to biochemistry, including the carbonyl compounds, carboxylic acid derivatives and the amines. A majority of the course is devoted to compounds of biological interest including carbohydrates, proteins and nucleic acids. (HBCU, UC, CSU, C-ID CHEM 12A + 12B = C-ID 160S)

### **CHEM 50SS Special Studies:** **General Chemistry**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** CHEM 1A General Chemistry with a grade of "B" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed to allow a qualified student to do advanced work in the field of general chemistry. The course includes research, directed reading, field work, or other advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

### **CHEM 51SS Special Studies:** **Organic Chemistry**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** CHEM 12A Organic Chemistry with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed to allow a qualified student to do advanced work in the field of organic chemistry. The course includes

research, directed reading, field work, or other advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

## **Chinese**

### **CHIN 1 Elementary Chinese I** **Units:** 5

**Hours:** 90 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 3

**Term Typically Offered:** Every term

This course is an introduction to the Chinese language and Chinese cultures. Emphasis is placed on communication skills (listening, speaking, reading, and writing) and cultural understanding (behaviors, institutions, perspectives, and artistic manifestations). It affords opportunities for cross-linguistic and cross-cultural comparisons. Students will interact with authentic language in a cultural context. (UC, CSU)

## **Civilization**

### **CIVIL 3 Autobiography of Civilization**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

This course is a survey of the artistic traditions of our western cultural heritage. The arts including painting, sculpture, architecture, music, dance, drama, and literature are studied as vehicles in the search for meaning and value from the ancient world to modern times. Since CIVIL 3 and HUM 3 are cross listed courses, credit may be awarded for either CIVIL 3 or HUM 3 but not both. (HBCU, UC, CSU)

### **CIVIL /HUM 3 Autobiography of Civilization**

**Units:** 3

**Hours:** 54 hours LEC

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

This course is a survey of the artistic traditions of our western cultural heritage. The arts including painting, sculpture, architecture,

music, dance, drama, and literature are studied as vehicles in the search for meaning and value from the ancient world to modern times. Since CIVIL 3 and HUM 3 are cross listed courses, credit may be awarded for either CIVIL 3 or HUM 3 but not both. (HBCU, UC, CSU)

## **Communication Disorders**

### **COMM DIS 1A Introduction to Communication Disorders**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to introduce speech and language disorders in children and adults. Topics include speech, hearing, and language disorders, trends in Legislation and education, and a review of available community resources. The course provides information to the student exploring a career related to speech and language therapy. (CSU)

### **COMM DIS 1B Speech, Language and Hearing Development**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** COMM DIS 1A Introduction to Communication Disorders with a grade of "C" or better.

This course is the study of speech, language and hearing development across the normal human life span. It includes genetic, cultural, and social aspects of communication development. Theories of language acquisition are discussed. Phonological, morphological, syntactic, semantic and pragmatic development will be considered and language sample analysis with typically developing children is practiced. (CSU)

### **COMM DIS 3 Therapy Analysis and Field Observation**

**Units:** 4.5

**Hours:** 72 hours LEC; 27 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** COMM DIS 1A Introduction to Communication Disorders, COMM DIS 1B Speech,

Language and Hearing Development, ENGL C1000 Academic Reading and Writing or ENGL C1000E Academic Reading and Writing Embedded Support, and H S 19 Human Development with a grade of "C" or better.

**Corequisites:** COMM DIS 1B.

**Limitations on Enrollment:**

Admission into the Speech Language Pathology Assistant Program.

This course is an introduction to speech therapy programs in public schools, clinics, hospitals, and skilled nursing facilities. Students learn the basic therapy protocol utilized in treatment for all disorders. Critical components of evidenced based practice and efficient, appropriate therapy are reviewed. The laboratory component includes student observation of a speech therapist at the off-campus facilities. (CSU)

### **COMM DIS 5 Therapy Materials and Procedures**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** COMM DIS 1B Speech, Language and Hearing Development or COMM DIS 3 Therapy Analysis and Field Observation with a grade of "C" or better, or

**Corequisites:** COMM DIS 3.

**Limitations on Enrollment:**

Admission into the Speech Language Pathology Assistant Program.

This course is a survey of materials and procedures found in Speech Language Pathology Assistant (SLPA) clinical programs in public schools, hospitals, and skilled nursing facilities. Topics include record keeping, report writing, behavior modification techniques, computer assisted programs, International Phonetic Alphabet (IPA), American Speech-Language Hearing Association (ASHA), Code of Ethics, and state and national guidelines for speech therapy. (HBCU, CSU)

### **COMM DIS 7 Service Delivery Issues for the SLPA**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** COMM DIS 3

Therapy Analysis and Field Observation with a grade of "C" or better, or

**Corequisites:** COMM DIS 3.

**Limitations on Enrollment:**

Admission into the Speech Language Pathology Assistant Program.

This course introduces principles and practices for management of individuals with communicative disorders including consideration for cultural and linguistic variations, an introduction to treatment and behavior management strategies related to Autism Spectrum Disorders and the needs of non-oral children and adults, as well as the preparation, use and maintenance of selected adaptive communication equipment. Legal and ethical considerations, requirements for employment in various work settings, including interdisciplinary and supervisory relationships, and scope of relationships are presented. State and national regulations, laws, and guidelines from professional organizations for Speech Language Pathology Assistants (SLPA) are also reviewed. (CSU)

### **COMM DIS 9 Remediation Techniques**

**Units:** 6-6.5

**Hours:** 54 - 63 hours LEC; 162 - 171 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** COMM DIS 3 Therapy Analysis and Field Observation, COMM DIS 5 Therapy Materials and Procedures, and COMM DIS 7 Service Delivery Issues for the SLPA with a grade of "C" or better, or

**Corequisites:** COMM DIS 5 and COMM DIS 7.

**Limitations on Enrollment:**

Admission into the Speech Language Pathology Assistant Program.

This course explores in-depth specific disorders of communication, with a focus on evidence-based practice. It covers remediation techniques and rationales for commonly used therapeutic approaches, assessment within the scope of SLPA practice, hearing screening, IPA transcription at the sentence level as well as principles of learning, data collection, clinical documentation, and record-keeping. This course provides

## COURSE DESCRIPTIONS

supervised fieldwork experience assisting with the clinical management of persons with communicative disorders. There are opportunities to interact with clients/patients while implementing a prescribed treatment plan, and assisting with screening or evaluation under the direction of a Speech-Language Pathologist. The experience also includes opportunities for record-keeping and managing client data, setting up/preparing for sessions as needed, and performing various clerical duties as needed. All fieldwork is done in specified off-campus locations. (HBCU, CSU)

### **COMM DIS 15 Selected Topics: Speech Language Pathology** **Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Department not already covered by the existing curriculum. (CSU)

## **Communication Studies**

### **COMM C1000 Introduction to Public Speaking**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1C; CSU Area A1; IGETC Area 1C

**Term Typically Offered:** Every term

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. Formerly COM ST 1A. (UC, CSU, C-ID COMM 110)

### **COMM 2 Oral Interpretation of Literature**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every term

This course will allow students to demonstrate and understand what constitutes good literature, in terms

of its philosophical, historical, literary, and cultural importance. This course is an introduction to the analysis, appreciation, and application of theories of interpretive performance of various forms of literature, including poetry, prose, and drama (plays, scripts, and screenplays). This course also examines how language and performance generate and communicate meaning from a theoretical, historical, critical, and aesthetic perspective. (UC, CSU, C-ID COMM 170)

### **COMM 3 Interpersonal Communication**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6; CSU Area E

**Term Typically Offered:** Every term

This course focuses on principles of verbal and nonverbal transactions that occur in relationships. Study of theory and research findings and their application to communication in interpersonal relationships in personal and professional contexts are addressed. This course is designed as an overview of interpersonal communication including analysis of relationships with family, friends, significant others, acquaintances, and co-workers. Practical application of skills for effective interpersonal communication with others is emphasized in face-to-face, supervised interactions, and computer-mediated communication and includes understanding the significance of psychological, sociological, and anthropological research, nonverbal communication, resolving conflicts and intercultural differences. (HBCU, UC, CSU, C-ID COMM 130)

### **COMM 4 Introduction to Human Communication**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every odd fall term

This introductory communication course focuses on the basic foundations of interpersonal communication, small group communication and public speaking. Students will be introduced to the breadth of the communication discipline.

Additionally, students will examine and practice human communication principles and theories, at a basic level, to develop critical thinking and communication competencies in a variety of contexts. (UC, CSU, C-ID COMM 115)

### **COMM 5 Argumentation and Debate**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ENGL C1000

Academic Reading and Writing or ENGL C1000E Academic Reading and Writing Embedded Support with a grade of "C" or better.

Methods of critical inquiry and advocacy. Identifying fallacies in reasoning and language, testing evidence and evidence sources, advancing a reasoned position, and defending and refuting arguments. Analysis, presentation, and evaluation of oral and written arguments. (UC, CSU, C-ID COMM 120)

### **COMM 7 Intercultural Communication**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

This course is designed as an introduction to intercultural communication in domestic and/or global contexts. Influence of cultures, languages, and social patterns on how members of groups relate among themselves and with members of different ethnic and cultural groups, theory and knowledge of effective communication within and between cultures, and appreciation and comparison of communication among diverse groups within the larger context of American culture are included. (HBCU, UC, CSU, C-ID COMM 150)

### **COMM 8 Small Group Communication**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1C; CSU Area A1

**Term Typically Offered:** Every term

## COURSE DESCRIPTIONS

Principles of communication in a variety of group contexts. Theory, application, and evaluation of group communication processes, including problem-solving, conflict management, decision-making, and leadership. The course emphasizes the use of rhetorical principles to analyze historical and contemporary public discourse, Aristotelian proofs, and requires at least three small group informative and/or persuasive oral presentations. (UC, CSU, C-ID COMM 140)

### **COMM 11 Intracultural Communication**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D

**Term Typically Offered:** Every odd spring term

Intracultural Communication is designed to explore multicultural communication within the national culture. The course content includes a wide range of perspectives to provide an informed discussion about the similarities and differences among cultural groups. The lectures, discussions and films explore topics including: ethnicity, race, (dis)ability, social class, gender, sexual orientation, religion, and identity politics and how these issues affect intracultural communication. (HBCU, CSU)

### **COMM 12 Introduction to Persuasion**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6

**Term Typically Offered:** Every odd spring term

Introduction to Persuasion will examine historical and contemporary approaches to persuasive messages throughout time. It will also focus on the presentation of persuasive appeals, and learning to construct, deliver, and critique persuasive messages. (UC, CSU, C-ID COMM 190)

### **COMM 13 Readers Theater**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3

**Term Typically Offered:** Every even spring term

This course is a study of the principles and dynamics of group

performances. It includes an emphasis on theories and techniques used to prepare Readers Theater productions. Using prose, poetry, and dramatic literature, students will create, analyze, stage, and perform Readers Theater material. (UC, CSU)

### **COMM 14 Statistical Analysis for Communication**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the college's multiple measures assessment process. This course provides an introduction to basic statistical concepts and applications in communication research. Students will be exposed to principles and procedures involved in quantitative data analysis in the field of communication studies. This course will prepare students for advanced study in research methods. (UC, CSU)

### **COMM 15 Selected Topics: Communication Studies**

**Units:** 0.5-4

This course is designed for the student who wishes to explore special topics while refining communication skills. Specific topics appear in the semester schedule of classes. (CSU)

### **COMM 50SS Special Studies: Communication Studies**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** COMM C1000 Introduction to Public Speaking, COMM 2 Oral Interpretation of Literature, COMM 3 Interpersonal Communication, COMM 5 Argumentation and Debate, COMM 7 Intercultural Communication, COMM 8 Small Group Communication, or COMM 52 Speech Activities and Advocacy with a grade of "B" or better.

**Limitations on Enrollment:** A student must have completed a

minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is a special studies course and is open to the student qualified to do advanced work in the field. The course includes research, directed reading, field work or other advanced study. (CSU)

### **COMM 52 Speech Activities and Advocacy**

**Units:** 1-3

**Hours:** 54 - 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This course is designed to provide academic credit for participation in community speech activities and intercollegiate speech tournaments, workshops, and intramural speech activities. The student researches, writes, develops programs, works on debate and extemporaneous speech files, and delivers public speaking assignments including but not limited to debates, public speaking activities, oral interpretation of literature, and readers' theatre. This course is repeatable per Title 5 section 55041(a)(3). (CSU, C-ID COMM 160B)

## **Computer Network Technology**

### **CNT 30A Introduction to Computer Networks**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course covers the first of the Cisco Certified Network Associate (CCNA) certification and the fundamentals of networking, including the OSI model and industry standards, concepts, network topologies, cabling, network hardware, basic network design, LANs, and network configuration and troubleshooting. It will also cover TCP/IP basics, IPv4 and IPv6 addressing, VLSM, CIDR, subnetting, router IOS and configuration, switching concepts,

## COURSE DESCRIPTIONS

CDP and CSMA-CD. Students will get hands-on experience configuring Cisco routers and switches. Students should have strong basic computer skills and knowledge of Internet use. (CSU)

### **CNT 30B Switching, Routing, and Wireless Essentials**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** CNT 30A

Introduction to Computer Networks with a grade of "C" or better.

Switching, Routing, and Wireless Essentials (SRWE) is the second course in the Computer Network Technology (CNT) curriculum. It covers the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts. Students learn how to configure and troubleshoot routers and switches for advanced functionality using routing and switching concepts, security best practices and resolve common issues with protocols on both IPv4 and IPv6 networks. (CSU)

### **CNT 30C Enterprise Networking, Security, and Automation**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade Only; No Incomplete

**Term Typically Offered:** Every term

**Prerequisites:** CNT 30B Switching, Routing, and Wireless Essentials with a grade of "C" or better or ICND 1, CCNA industry Certification.

This course describes the architectures and considerations related to designing, securing, operating, and troubleshooting enterprise networks. Students will implement the OSPF dynamic routing protocol, identify and protect against cybersecurity threats, configure access control lists (ACLs), implement Network Address Translation (NAT), and learn about WANs and IPsec VPNs. Students will also learn about QoS mechanisms, network management tools, network virtualization, and network automation. (HBCU, CSU)

### **CNT 30D Enterprise Networking**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** CNT 30C Enterprise Networking, Security, and Automation with a grade of "C" or better or ICND-1, CCNA Certification.

This course covers the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies and quality of service (QoS) concepts. It emphasizes network security concepts and introduces network virtualization and automation. In addition, it covers concepts and configuration of OSPFv2, IPv4 ACLs, NAT, DHCP, and SLAAC on enterprise network devices.

Students learn how application programming interfaces (API) and configuration management tools enable network automation. This is one of four courses that prepare students for the CCNA exam. (HBCU, CSU)

### **CNT 30E Network Hardware Application**

**Units:** 2

**Hours:** 18 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade Only; No Incomplete

**Term Typically Offered:** Every fall term

**Advisories:** CNT 30D with a grade of "C" or better.

This course provides a study in practical applications of networking techniques for Local Area Networks (LAN) and Wide Area Networks (WAN). Topics include planning, installing, and maintaining a LAN/WAN, responsibilities of the system administrator, and human implications. This course provides hands-on training in LAN/WAN applications and network administration. Applications include wireless access, peer-to-peer communication, web base cameras, and voice/data wiring. (HBCU, CSU)

### **CNT 32A Enterprise Networking ENCOR**

**Units:** 5

**Hours:** 72 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every

spring term

**Prerequisites:** CNT 30D Enterprise Networking with a grade of "C" or better.

This course covers the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies and quality of service (QoS) concepts. It emphasizes network security concepts and introduces network virtualization and automation. The course also covers concepts and configuration of OSPFv2, IPv4 ACLs, NAT, DHCP, and SLAAC on enterprise network devices. Students learn how application programming interfaces (API) and configuration management tools enable network automation. This is one of three courses that prepare students for the CCNA exam. (CSU)

### **CNT 34 CCNP Security**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** CNT 30D Enterprise Networking with a grade of "C" or better or Cisco Certified Network Associate (CCNA) Industry Certificate.

This course will teach students to design and implement security solutions that will reduce the risk of revenue loss and hardware vulnerability. The course will introduce network security and overall security processes with particular emphasis on security technologies, products and solutions, firewall and secure router design, installation, configuration and maintenance, and securing the network at layers 2 and 3 of the Open Systems Interconnection (OSI) Model. This course prepares the students for industry professional level certification such as the Cisco Certified Network Professional (CCNP Security) Certification. (CSU)

## **Computer Science**

### **CS 11 Fundamentals of Computer Science**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6

**Term Typically Offered:** Every

term

This course is designed to introduce the student to the hardware, software, terminology, and uses of modern computer systems. Sociological, physiological, and psychological impacts of computers and technological changes are included. Computer programming and the use of word processing, electronic spreadsheets, database, and presentation software are introduced. (UC, CSU)

**CS 12 Introduction to Management Information Systems**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** CS 11 Fundamentals of Computer Science with a grade of "C" or better.

This course is an examination of information systems and their role in business. It focuses on information systems, database management systems, networking, e-commerce, ethics and security, computer systems hardware and software components. The course also addresses application of these concepts and methods through hands-on projects developing computer-based solutions to business problems. (UC, CSU, C-ID ITIS 120, C-ID BUS 140)

**CS 15 Selected Topics: Computer Science**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Computer Science not already covered by the existing curriculum. (CSU)

**CS 16 Introduction to Game Design**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Prerequisites:** CS 11 Fundamentals of Computer Science with a grade of "C" or better.

**Advisories:** CSP 17 or CSP 31A with a grade of "C" or better. This course is an introduction to current and future techniques for

electronic game design and programming. Topics include graphics, game programming, game engines, motion control, narrative in games, game interfaces, artificial intelligence, music and sound, mobile games, "Serious Games" and social and interface issues of multi-user play. (HBCU, CSU)

**CS 22 Computer Interface and Web Design**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Advisories:** CSW 23 or CSW 39 with a grade of "C" or better.

This course is an introduction to the study of human/computer interface design and web page design. Topics covered include mental models, understanding users, interaction design principles, use of control elements and menus, designing for different needs, and similar topics. Computer laboratory assignments are required. (CSU)

**CS 32 Introduction to Computer Operating Systems**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** CS 11 Fundamentals of Computer Science with a grade of "C" or better.

This course is an introduction to the inner workings of an operating systems. It covers how memory is allocated in main memory and secondary memory, how programs are executed as processes and threads, multitasking and multiprocessing, networking, distributed systems, system performance, and security. Students will study various examples of an operating system such as Microsoft Windows, Apple iOS or the Google Android operating system. (UC, CSU)

**CS 33 Systems Analysis and Design**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is an introduction to systems analysis and design. (UC, CSU)

**CS 42 Introduction to Unix/Linux**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** CS 11 Fundamentals of Computer Science with a grade of "C" or better.

This course is an introduction to the Linux and UNIX operating systems primarily focused on command line usage. It covers history, kernel, file systems, shells, command-line tools, and user utilities. It also introduces students to the fundamentals of shell programming, processes, communications, and basic security. (CSU)

**CS 50SS Special Studies: Computer Science**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** CS 11 Fundamentals of Computer Science with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment and a grade of "C" or better in at least one course in any CS, CSA, CSP, CSN or CSW discipline for follow-up study.

This course is designed for the student of Computer Science who is qualified to do advanced work to expand his/her knowledge beyond the established curriculum. The student selects or is assigned a project approved by a faculty member and the Dean. The student pursues the project through individual laboratory effort, research, or other advanced study and reports progress at scheduled meetings with the faculty member. (CSU)

**CS 55 Discrete Structures for Computer Science**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

## COURSE DESCRIPTIONS

**Term Typically Offered:** Every term

**Prerequisites:** CSP 31A C++ Programming I or CSP 26A Java Programming with a grade of "C" or better.

**Advisories:** MATH 1, MATH 38A, or MATH 39 with a grade of "C" or better.

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. (UC, CSU, C-ID COMP 152)

### **CS 56 Networking Essentials**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** CS 11 with a grade of "C" or better.

This course is a general introduction to current network technologies for local area networks (LANs), wide area networks (WANs), and the Internet. The course includes an introduction to the hardware, software, terminology, components, design, and connections of a network, as well as the topologies and protocols for LANs. This course includes LAN-user concepts and the basic functions of system administrations and operation. (CSU)

### **CS 69V Internship: Computer Science**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

#### **Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student participating in an occupational work experience or internship in computer science. Application of discipline-related skills and knowledge are emphasized. Each student is engaged in specific on-the-job learning activities under the

supervision of a work site supervisor and a college internship instructor. Students must earn a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. (CSU)

### **CS 76 Selected Topics:**

#### **Computer Science**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Computer Science not already covered by the existing curriculum.

### **CS 98V Work Experience:**

#### **Computer Science**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

#### **Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student participating in an occupational work experience or internship in Computer Science. Application of discipline-related skills and knowledge are emphasized. Each student is engaged in specific on-the-job learning activities under the supervision of a work site supervisor and a college internship professor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140.

### **Computer Science Applications**

#### **CSA 15 Selected Topics:**

##### **Computer Science Applications**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Computer Science Applications not already covered by the existing curriculum. (CSU)

### **CSA 20 Computer Information Systems Applications**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is designed to introduce the student to a microcomputer and the PC based programs such as Internet Explorer, Windows Operating System, Microsoft Word (word processor), Excel (spreadsheet), and PowerPoint (presentation graphics). (CSU)

### **CSA 35 Multimedia Presentations**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to introduce concepts required for creating business presentations with text, graphics, and multimedia capabilities. Presentation layout and design techniques are emphasized. (HBCU, CSU)

### **CSA 71 Microsoft Windows**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is designed to present beginning and intermediate topics in the use of the Microsoft Windows operating system. These topics include: exploring the desktop; working with windows; examining system properties; exploring disk organization; managing files; using accessories (calculator, WordPad, and Paint); controlling print features; copying, moving, exchanging, and sharing data; and running applications.

### **CSA 75 Selected Topics:**

#### **Computer Science Applications**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Computer Science Applications not already covered by the existing curriculum.

## Computer Science Cybersecurity

### CSC 32 Ethical Hacking

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** CS 56 and CSN 40 with a grade of "C" or better.

This course is an introduction to the ethical and legal issues pertaining to network and computer security testing. Students will explore an introduction to the hacking methodology and network penetration testing using industry-recognized tools. Hands-on assignments will be used to help students develop introductory technical skills relevant to entry-level cybersecurity professionals, including demonstration of tools that can be used to gain information about a computer network, web applications, and databases. This course is intended for students with computer experience and an interest in cyber defense for private organizations. (HBCU, CSU)

## Computer Science Networking

### CSN 15 Selected Topics: Computer Science Networking

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Computer Science Networking not already covered by the existing curriculum. (CSU)

### CSN 40 Information Security Fundamentals

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every fall term

**Advisories:** CS 56 with a grade of "C" or better.

This course is an introduction to the various technical and administrative aspects of Information Security and Assurance. This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents,

and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features. Students will be exposed to the spectrum of Security activities, methods, methodologies, and procedures. Coverage will include inspection and protection of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technical and managerial responses and an overview of the Information Security Planning and Staffing functions. (CSU)

### CSN 44 Cloud Computing Essentials

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Term Typically Offered:** Every spring term

This course introduces the student to essential Cloud Computing services and common solutions. The course covers the fundamental Cloud Computing concepts related to compute, database, storage, networking, monitoring, and security. Students will start working in Cloud Computing through hands-on lab exercises. The course covers the concepts necessary to increase student understanding of Cloud Computing services, so that they can make informed decisions about solutions that meet business requirements. Throughout the course, students will gain information on how to build, compare, and apply highly available, fault tolerant, scalable, and cost-effective cloud solutions. (HBCU, CSU)

### CSN 46 Server+

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Term Typically Offered:** Every fall term

**Advisories:** CS 56

Technologies and trends of the server environment will be covered, such as virtualization, data centers, software-defined networking, security risks, and network attached storage improvements. (HBCU, CSU)

### CSN 60 Network Security

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade or

Pass/No Pass

**Term Typically Offered:** Every spring term

**Prerequisites:** CS 56 Networking Essentials with a grade of "C" or better.

This course teaches students how to design network security through lectures, discussions, paper exercises, and lab projects. Students will learn how to assemble a design team and how to analyze current business and technical environments. In addition, they will learn how to design a security solution, a Public Key Infrastructure (PKI), and network services security. Students will also learn to create security solutions for access between networks, as well as in a heterogeneous network environment. They will learn how to create an application-level security plan and how to create a security implementation plan. (CSU)

### CSN 75 Selected Topics: Computer Science Networking

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Computer Science Networking not already covered by the existing curriculum.

## Computer Science Programming

### CSP 15 Selected Topics: Computer Science Programming

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Computer Science Programming not already covered by the existing curriculum. (CSU)

### CSP 17 Introduction to Programming Concepts and Methodologies

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process.

This course introduces the student to the basics of programming logic and algorithm design and development. Students will learn

## COURSE DESCRIPTIONS

the basic constructs of programming, including variables, constants, expressions, control structures, functions and arrays. (UC, CSU, C-ID COMP 112)

### **CSP 25 Assembly Language Programming**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Prerequisites:** CS 11

Fundamentals of Computer Science and CSP 17 Introduction to Programming Concepts and Methodologies each with a grade of "C" or better.

This course introduces students to the organization and behavior of real computer systems at the assembly language level. The mapping of statements and constructs in a high-level language onto sequences of machine instructions is studied, as well as the internal representation of simple data types and structures. Numerical computation is examined, noting the various data representation errors and potential procedural errors. (UC, CSU, C-ID COMP 142)

### **CSP 26A Java Programming**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Prerequisites:** CS 11

Fundamentals of Computer Science or ENGR 1 Introduction to Engineering and Technology, and CSP 17 Introduction to Programming Concepts and Methodologies with a grade of "C" or better.

This course focuses on the discipline of computer science using a high-level language (Java) utilizing programming and practical hands-on problem solving. The student writes applications and applets using the Java programming language. Topics include control structures, classes, methods, properties, and arrays. (UC, CSU, C-ID COMP 122)

### **CSP 26B Data Structures with Java**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** CSP 26A Java Programming with a grade of "C" or better.

This course applies object-oriented techniques for systematic problem analysis and the managing of program complexity using abstraction. Specification, design, coding, testing, and documentation of large multi-file programs are covered. It uses advanced language features such as classes, strings, non-text files, pointers, and recursion. Abstract data types such as stacks, queues, lists, binary trees, heaps/priority queues, hash tables, and graphs are examined. Various sorting and searching algorithms are presented and analyzed using Big-O notation. (UC, CSU, C-ID COMP 132)

### **CSP 31A C++ Programming I**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Prerequisites:** CS 11

Fundamentals of Computer Science or ENGR 1 Introduction to Engineering and Technology, and CSP 17 Introduction to Programming Concepts and Methodologies with a grade of "C" or better.

This course addresses the discipline of computer science, using a high-level language (C++ ) which utilizes programming and practical hands-on problem solving. (UC, CSU, C-ID COMP 122)

### **CSP 31B C++ Programming II**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Prerequisites:** CSP 31A C++ Programming I with a grade of "C" or better.

This course addresses application of software engineering techniques to the design and development of large programs using C++, data abstraction and structures, and associated algorithms. (UC, CSU, C-ID COMP 132)

### **CSP 32A C# Programming**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours

LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** CS 11 and CSP 17 with a grade of "C" or better.

This course is designed to introduce the student to programming skills using the object oriented programming language C#. Topics such as event-driven programming, standard controls, and objects are included. (HBCU, UC, CSU)

### **CSP 43A Database Design and Implementation Using Oracle**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every fall term

**Prerequisites:** CS 11

Fundamentals of Computer Science or CSA 20 Computer Information Systems Applications with a grade of "C" or better.

This course is an introduction to the design and implementation of a database using the Oracle Relational Database Management System (RDBMS). The database design and conceptual modeling is accomplished by analyzing various business scenarios and creating a data model, a conceptual representation of an organization's information. By analyzing the detailed data requirements of each operating unit and creating conceptual models, students learn how large, complex and dynamic organizations operate. The implementation of the database design will be accomplished by using SQL, the industry-standard database programming language, and Oracle RDBMS. (CSU)

### **CSP 43B Oracle: PL/SQL Programming**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** CSP 43A Database Design and Implementation Using Oracle with a grade of "C" or better. This course is an introduction to Procedural Language (PL), which is an extension of Structured Query Language (SQL) studied in CSP 043A. Students will learn procedural logic constructs such as variables, constants, conditional statements and iterative controls,

## COURSE DESCRIPTIONS

PL/SQL block structure, PL/SQL packages, dynamic SQL, and database triggers that are used to execute code automatically. Advanced data types, such as user-defined record types and multimedia file types, will also be addressed. In addition, students will learn how to manage object dependencies. The Oracle Application Express, which is a browser-based development environment, will be used for writing PL/SQL code. (CSU)

### **CSP 45 Web Database Programming with PHP and MySQL**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Advisories:** CS 11 or CSP

43A with a grade of "C" or better. This course is an introduction to creating a dynamic website using PHP and MySQL. Students will learn about client/server data processing, relational database concepts, an introduction to structured query language using MySQL, PHP scripting, and the use of HTML in database programming. (CSU)

### **Computer Science Web Design**

#### **CSW 15 Selected Topics:**

##### **Computer Science Web Design**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Computer Science Web Design not already covered by the existing curriculum. (CSU)

#### **CSW 21 Interactive Website Development**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** CSW 23 Basic Website Design with a grade of "C" or better.

This course is a continuation from work done in CSW 23. Topics include using JavaScript to add functionality to web pages, create dynamic web pages, implement web page interactivity and manipulate Javascript Document Object Model (DOM). Laboratory

projects include integrating JavaScript into HTML files to create special functions such as pop-up windows, adding scrolling messages, adding images and forms, creating and modifying cookies, using frames and objects, and detecting keystrokes in a browser. Will also use JQuery, JSON and Node.js. (HBCU, CSU)

#### **CSW 23 Basic Website Design**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Advisories:** CS 11 with a grade of "C" or better.

This course will provide a fundamental understanding of the methods and techniques of developing a simple to moderately complex website. Topics include: creating webpages with current standard webpage language (HTML), cascading style sheets (CSS), and Javascript. Exploration of incorporating images, audio/visual media and interactive tools like forms and image maps. This course prepares apprentice Web developers to identify the information needs of a client, design appropriate WWW solutions, and implement them. (HBCU, CSU)

#### **CSW 38 Web Animation**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is designed to provide the student with an understanding of incorporating animation, sound, graphics, and interactivity into Web pages using the HTML Canvas tag. The student explores the ins and outs of Canvas' capabilities to create and manipulate web page animation and interactivity using Javascript. (HBCU, CSU)

#### **CSW 39 Dreamweaver**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every spring term

**Advisories:** CS 11 with a grade of "C" or better.

This course is designed to provide the student an understanding of the Dreamweaver web publishing tool used to develop a website. Topics

will include Dreamweaver's workspace, formatting, tables, forms, images, frames, style sheets, layers, behaviors, timelines, and libraries. The student will also learn web architecture as applied to navigation, content, and platform issues. (CSU)

#### **CSW 75 Selected Topics:**

##### **Computer Science Web Design**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Computer Science Web Design not already covered by the existing curriculum.

### **Construction Technology: Apprenticeship**

#### **A-CON 87A Introduction to Plumbing**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Limitations on Enrollment:**

Student is a registered State indentured apprentice. Student is a registered state indentured apprentice.

This course is designed to introduce students to the fundamentals of a plumbing and pipefitting career, plumbing materials and tools, and introduce the industry requirements of the Occupational Safety and Health Act (OSHA). Units earned in this course do not count toward the associate degree.

#### **A-CON 87B Related Math and Rigging**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide students with the knowledge of fundamental mathematics, pipe and pipe fitting measurement, drawing interpretation, plan reading and rigging skills necessary for the plumbing and pipefitting industry.

#### **A-CON 88A Drawing, Plan Reading and Science**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

## COURSE DESCRIPTIONS

### **Grade Options:** Letter Grade

### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide students with the applied scientific principles utilized in plumbing systems. The course includes plumbing print reading, piping drawing, sketching, and writing specifications. A review of basic electricity is included. Units earned in this course do not count toward the associate degree.

### **A-CON 88B Welding**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide students with the knowledge of basic welding skills for steel plate and pipe. The course includes the basic theory, practice, and application of arc welding and oxy-acetylene cutting and welding. Units earned in this course do not count toward the associate degree.

### **A-CON 89A Water Supply, Pumps and Installations**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

### **Limitations on Enrollment:**

Student is a registered State indentured apprentice. Student is a registered state indentured apprentice.

This course is designed to provide students with a review of applied plumbing mathematics, and an introduction to water supply systems, design and installation. Units earned in this course do not count toward the associate degree.

### **A-CON 89B Gas Installation and Drainage**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

### **Limitations on Enrollment:**

Student is a registered State indentured apprentice. Student is a registered state indentured apprentice.

This course is designed to provide students with the knowledge of the major characteristics of drainage systems, their function, and installation procedures. The course

also includes applied mathematics to solve plumbing calculations.

Units earned in this course do not count toward the associate degree.

### **A-CON 90A Advanced Plan Reading, Fixtures and Appliances**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide students with a knowledge of plan interpretation skills, characteristics of fixtures, characteristics of appliances, and installation procedures for fixtures and gas appliances. Units earned in this course do not count toward the associate degree.

### **A-CON 90B Codes and Steam Systems**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

### **Limitations on Enrollment:**

Student is a registered State indentured apprentice. Student is a registered state indentured apprentice.

This course is designed to provide students with the knowledge of the characteristics and installation procedures for swimming pools and special purpose systems, including application of appropriate plumbing codes. Units earned in this course do not count toward the associate degree.

### **A-CON 90C Pipe Fitting Calculations**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide students with an understanding of advanced layout techniques, medical gas installation requirements, and back flow prevention systems. This course also includes advanced print reading. Units earned in this course do not count toward the associate degree.

### **A-CON 90D Medical Gas and Installation**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Pass/No Pass

### **Limitations on Enrollment:**

Student is a registered State indentured apprentice. Student is a registered state indentured apprentice.

This course is designed to provide students with knowledge of the fundamentals of medical gas system fabrication including pipe fitting, brazing, system testing, and certification. Units earned in this course do not count toward the associate degree.

## Counseling

### **COUN 1A Latine First Year Experience – Career and Life Planning**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

This course is designed to support first-year college students in their transition to higher education and early career planning, with a focus on the Latine experience. It will explore the unique challenges and opportunities faced by Latine students in both academic and professional settings. Through a combination of lectures, discussions, and practical activities, students will develop essential skills for academic success, career exploration, and personal growth. The course aims to empower Latine students to navigate the complexities of college life and prepare for future careers. (CSU)

### **COUN 1B Latine First Year Experience – College Success**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

This course is designed to support first-year college students in their transition to higher education, with a specific focus on the experiences of Latine students. It will explore the historical, cultural, and social contexts that impact the Latine experience in higher education. Students will develop skills and strategies for academic success, personal growth, and engage with campus resources and services available. (CSU)

## COURSE DESCRIPTIONS

### **COUN 3 First Year Experience Seminar**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

The First Year Experience Seminar will create an engaging environment for success as well as empower and support students as they transition to college. This course covers topics such as self-awareness and career exploration, as well as how to be successful in college and life. Students will analyze and explore their personality, values, interests, and skills for career decision-making. Students will have an expanded awareness of self, majors, careers, the world of work, and higher education. (CSU, HBCU)

### **COUN 5 Enhancing Self-Esteem, Cultural Awareness, and College Success**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to enable the student to focus on the development of self-esteem and personal responsibility leading to college success. The course includes discussions of cultural awareness and diversity. This course is also designed to enhance academic skills, and knowledge about campus resources. Other aspects covered are choosing a major, and career exploration. (HBCU, UC, CSU)

### **COUN 8 Education and Interpersonal Growth**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6; CSU Area E

**Term Typically Offered:** Every term

This course is designed to foster personal development through a decision-making process. This includes self-awareness, value systems, patterns of communication, changing lifestyles, and how these factors impact a student's education, growth, and goals. (HBCU, CSU)

### **COUN 11 New Student Orientation**

**Units:** 0.5

**Hours:** 9 hours LEC

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

This is an eight-hour orientation for new and returning students. This course provides an overview of higher education options, and an introduction to SJDC's Student Services and registration process. Counselors will review the educational planning process and assist students with a one-semester education plan. Completion of this course will fulfill the college's orientation requirement. (HBCU, UC, CSU)

### **COUN 13 Introduction to College & Educational Planning for ESL Students**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is an introduction to the college experience and the educational planning process through counseling and advising for ESL (English as a Second Language) students. This course assists ESL students in the development of a Student Education Plan (SEP). The course topics include student services and resources, reviewing higher education systems and establishing academic and career goals. Completion of this course will fulfill the college's orientation requirement (HBCU, CSU)

### **COUN 18A Single Parents as Students: Codependency Issues**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade; No Incomplete

**Term Typically Offered:** Every term

This course is designed for Extended Opportunity Programs and Services (EOPS) students enrolled in Cooperative Agencies Resources for Education (CARE). The goal of this course is to provide information on gaining self-awareness by understanding the roots of codependency and movement towards personal recovery. (HBCU, CSU)

### **COUN 18B Single Parents as Students: Campus and Community Resources**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is designed for the Extended Opportunity Programs and Services (EOPS) student enrolled in Cooperative Agencies Resources for Education (CARE). The student obtains educational support information through a series of campus and community presentations. The goal of this course is to empower the student to access the necessary resources to be successful in college. (CSU)

### **COUN 18C Single Parents as Students: Stress Management**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is designed for the Extended Opportunity Programs and Services (EOPS) student enrolled in Cooperative Agencies Resources for Education (CARE). The goal of this course is to assist the student in lowering their level of stress by understanding, recognizing, and managing interpersonal stressors. (CSU)

### **COUN 19 Introduction to College and Educational Planning**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is an introduction to the college experience and the educational planning process through counseling and advising. This course assists students in the development of a Student Education Plan (SEP). The course topics include student services and resources, reviewing higher education systems, and establishing academic and career goals. Completion of this course will fulfill the college's orientation requirement. (HBCU, CSU)

### **COUN 20 Transition to University Life**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is designed to assist

## COURSE DESCRIPTIONS

community college students with transferring to a public or private four-year university. The course provides students with information on higher education systems such as University of California (UC), California State University (CSU), and University of the Pacific. Students explore transfer options from academic, financial, and personal development perspectives. Topics include understanding their transfer process, such as admission requirements and deadlines, identifying financial aid resources, and housing options. Students will review the process of meeting with a counselor and building an individual Student Education Plan (SEP) based on their educational and career goals. (CSU)

### **COUN 30 Career Self-Assessment**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to introduce the student to the career life planning process. The course emphasizes self-assessment as the first major step in the career life planning process. The student identifies his/her personality, values, interests, skills and accomplishments leading to potential career choices. (HBCU, CSU)

### **COUN 31 Career Exploration**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is designed to provide the student with opportunities to explore specific careers through the utilization of career resources. The course includes investigation of job duties, training, educational requirements, desired employee characteristics, salary ranges, and future employment trends. (HBCU, CSU)

### **COUN 32 Career Information Interviewing**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is designed to assist the student in obtaining career information directly from individuals employed in areas of student's career interest by conducting information interviews. The course includes information on how to create a networking system, make initial contacts, prepare interview questions, direct the information interview, and analyze information obtained. (HBCU, CSU)

### **COUN 33 Job Seeking Skills**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is designed to assist the student with development of successful job search techniques including networking, resume writing, and job interviewing skills. The course includes techniques on how to find and obtain a desired job. Information about the hidden job market is included. (CSU)

### **COUN 35 Extended Activities I: Choosing a Career Path**

**Units:** 0.5

**Hours:** 27 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is designed for the student who seeks to further study, research, and choose a career path in a structured and supportive lab environment devoted to career and education resources. The student completes assignments that provide additional opportunities to self-assess, examine, and create a plan chosen from among his/her career options. Students may also participate in approved workshops and utilize campus and community resources. (CSU)

### **COUN 36 Extended Activities II: Resources for Program Completion**

**Units:** 0.5

**Hours:** 27 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Advisories:** COUN 20 and COUN 35 with a grade of "C" or better.

This course is designed for the student who seeks individualized assistance with various admission and graduation processes. The

student completes assignments that may include self-assessment of academic and career interests in a structured and supportive lab environment devoted to career and transfer resources. Students may complete assignments that include identifying a college major, creating a UC TAP or CSU Mentor account, attending workshops, meeting with University Representatives, submitting applications, and participating in campus tours. (CSU)

### **COUN 70 Portfolio Development**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

This course is a preparation course for creating a portfolio to gain credit from experience. This course serves a multitude of other courses and programs and helps students to complete in a more timely fashion.

### **COUN 80 Success in College**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Students on third semester or continuing academic probation. This course is a group counseling practicum designed to assist a student who is having difficulty succeeding in college. The focus of the course is to provide practical strategies for achieving personal, educational, and career goals. This course is required for the student who is on third semester academic probation. Units earned in this course do not count towards an associate degree.

### **COUN 101A Latine First Year Experience – Career and Life Planning**

**Units:** 0

**Hours:** 36 hours LEC

**Grade Options:** Pass/No Pass

This noncredit course is designed to support first-year college students in their transition to higher education and early career planning, with a focus on the Latine experience. It will explore the unique challenges and opportunities faced by Latine students in both academic and professional settings. Through a combination of lectures,

## COURSE DESCRIPTIONS

discussions, and practical activities, students will develop essential skills for academic success, career exploration, and personal growth. The course aims to empower Latine students to navigate the complexities of college life and prepare for future careers. Noncredit courses may be repeated.

### **COUN 101B Latine First Year Experience – College Success**

**Units:** 0

**Hours:** 36 hours LEC

**Grade Options:** Pass/No Pass

This noncredit course is designed to support first-year college students in their transition to higher education, with a specific focus on the experiences of Latine students. It will explore the historical, cultural, and social contexts that impact the Latine experience in higher education. Students will develop skills and strategies for academic success, personal growth, and engage with campus resources and services available. Noncredit courses may be repeated.

### **COUN 103 First Year Experience Seminar**

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

The noncredit First Year Experience Seminar will create an engaging environment for success as well as empower and support students as they transition to college. This course covers topics such as self-awareness and career exploration, as well as how to be successful in college and life. Students will analyze and explore their personality, values, interests, and skills for career decision-making. Students will have an expanded awareness of self, majors, careers, the world of work, and higher education. Noncredit courses may be repeated.

### **COUN 119 Introduction to College and Educational Planning**

**Units:** 0

**Hours:** 18 hours LEC

**Grade Options:** Pass/No Pass

This noncredit course is an introduction to the college experience and the educational planning process through counseling and advising. This course assists students in the development of a Student Education Plan (SEP). The course

topics include student services and resources, reviewing higher education systems, and establishing academic and career goals. Completion of this course will fulfill the college's orientation requirement. Noncredit courses may be repeated.

### **COUN 120 Transition to University Life**

**Units:** 0

**Hours:** 18 hours LEC

**Grade Options:** Pass/No Pass

This noncredit course is designed to assist community college students with transferring to a public or private four-year university. The course provides students with information on higher education systems such as University of California (UC), California State University (CSU), and University of the Pacific. Students explore transfer options from academic, financial, and personal development perspectives. Topics include understanding their transfer process, such as admission requirements and deadlines, identifying financial aid resources, and housing options. Students will review the process of meeting with a counselor and building an individual Student Education Plan (SEP) based on their educational and career goals. Noncredit courses may be repeated.

### **COUN 130 Career Self-Assessment**

**Units:** 0

**Hours:** 18 hours LEC

**Grade Options:** Pass/No Pass

This noncredit course is designed to introduce the student to the career life planning process. The course emphasizes self-assessment as the first major step in the career life planning process. The student identifies his/her personality, values, interests, skills and accomplishments leading to potential career choices. Noncredit courses may be repeated.

### **COUN 131 Career Exploration**

**Units:** 0

**Hours:** 18 hours LEC

This noncredit course is designed to provide the student with opportunities to explore specific careers through the utilization of career resources. The course includes investigation of job duties, training, educational requirements, desired employee characteristics,

salary ranges, and future employment trends. Noncredit courses may be repeated.

### **COUN 132 Career Information Interviewing**

**Units:** 0

**Hours:** 18 hours LEC

**Grade Options:** Pass/No Pass

This noncredit course is designed to assist the student in obtaining career information directly from individuals employed in areas of student's career interest by conducting information interviews. The course includes information on how to create a networking system, make initial contacts, prepare interview questions, direct the information interview, and analyze information obtained. Noncredit courses may be repeated.

## **Culinary Arts**

### **CUL ART 1 Introduction to Hospitality Industry**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to the organization and structure of hotels, restaurants, and clubs. Students will also be introduced to the importance of industry contacts, resume writing, time management, and will perform a hospitality occupational interview. The student will receive an overview pertaining to forces that shape the hospitality industry, tourism, destinations, and how they interact with the hospitality industry, related businesses that serve the traveler, how services affect the industry, managing and working in the international market, and what the future holds for the industry. (CSU)

### **CUL ART 3 Sanitation and Safety**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to sanitation practices affecting individual operations. Prevention and control of foodborne illnesses through flow of food and HACCP management are addressed. The course includes study of worker safety. (CSU)

## COURSE DESCRIPTIONS

### **CUL ART 4 Food and Beverage Cost Technologies**

**Units:** 2

**Hours:** 36 hours LEC

**Term Typically Offered:** Every term

**Advisories:** Successful completion of Review of Arithmetic or appropriate placement as determined by the college's multiple measures assessment process. This course is designed to enable the student to study food, beverage, and labor cost controls. The student learns recipe conversions, menu pricing, and food and labor cost percentages. A working knowledge of culinary mathematics as it applies directly to food cost analysis is stressed as well as the necessary mathematics proficiency required to function effectively in the foodservice industry. (CSU)

### **CUL ART 5 Commercial Food Preparation**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Advisories:** CUL ART 3 with a grade of "C" or better or ServSafe Managers Certificate. This course is designed to explore the theory of basic commercial food production techniques and applications. The students develop skills in knife, tool, and equipment operation and apply principles of food preparation to produce a variety of food products. Students are involved in food production, food safety and theory in a commercial kitchen facility. (CSU)

### **CUL ART 7 Baking**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Advisories:** CUL ART 3 with a grade of "C" or better or ServSafe Managers Certificate. This course is designed to provide the student with the basic skills that are involved in dessert and bread production from formulas used in quantity food service. Care and use of bakery equipment are included. (CSU)

### **CUL ART 8 European Pastry Production**

**Units:** 4

**Hours:** 18 hours LEC; 162 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Prerequisites:** CUL ART 7 Baking with a grade of "C" or better.

**Advisories:** CUL ART 3 with a grade of "C" or better or ServSafe Managers Certificate.

This course is designed to enable the student to prepare European style pastries including cheesecakes, individual cakes, tortes and tarts. The student develops skills in the production of fine pastry such as tea cookies, petit fours, and individually plated desserts. Specialty breads are produced. (CSU)

### **CUL ART 9 Restaurant Operations**

**Units:** 9

**Hours:** 90 hours LEC; 216 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Prerequisites:** CUL ART 5 Commercial Food Preparation with a grade of "C" or better.

**Corequisites:** CUL ART 5.

**Limitations on Enrollment:** California Food Handlers Card ServeSafe Certification Examination within 5 years.

This course is designed to enable the student to serve food in an a la carte restaurant. The student gains experience and practices in the business of restaurant operations during performance of cooking and serving in the campus restaurant and catered events. The student performs dining room service using a variety of types of service. The student learns to operate a point of sale computer. (HBCU, CSU)

### **CUL ART 11 Restaurant and Menu Planning**

**Units:** 1.5

**Hours:** 27 hours LEC

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

This course is designed to summarize the basic principles of location, planning and layout for various start-up and existing foodservice operations. This course considers how the menu of an operation drives the following factors: nutritional adequacy, economic requirements, types of operations, skill of personnel,

clientele, decor and equipment and more. (CSU)

### **CUL ART 13 Purchasing and Receiving**

**Units:** 1.5

**Hours:** 27 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to survey purchasing and receiving practices in commercial food service operations. The course includes the writing of specifications, standards and grades of food. Analysis of food quality and the factors influencing pricing are included. This course utilizes the Canvas learning platform for online homework assignments. (CSU)

### **CUL ART 15 Selected Topics: Culinary Arts**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of culinary arts not already covered by existing curricula. (CSU)

### **CUL ART 16 Gastronomies of the World**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2

**Term Typically Offered:** Every fall term

This course is an exploration of the gastronomies of the world and the styles of cooking as they apply to a particular region. Cuisines from around the world in the context of cultural, social, and historical perspectives are presented. Emphasis is on cultural contrast that reflects the ethnic culinology of different countries. The student develops an understanding of ethnic gastronomy in today's multi-cultural society and its significance and influence on American culture. (HBCU, CSU)

### **CUL ART 19 Kitchen Management**

**Units:** 9

**Hours:** 90 hours LEC; 216 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Prerequisites:** CUL ART 9 Restaurant Operations with a grade of "C" or better.

This course is designed to examine

## COURSE DESCRIPTIONS

advanced principles of preparation of foods served in hotels, country clubs, catering operations and restaurants. The student gains experience in quantity food preparation while working in the Student Chef campus restaurant as well as on and off site catering. Career options are explored. (HBCU, CSU)

### **CUL ART 25 Food Service Management**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** CUL ART 1

Introduction to Hospitality Industry with a grade of "C" or better.

**Corequisites:** CUL ART 1.

This course is designed to enable the student to study the principles of managing all types of commercial and institutional food service. Areas such as human resources, legal aspects, and labor-management relations are covered. Styles of leadership and problem solving are evaluated. Human relations and personnel management skills are discussed. (CSU)

### **CUL ART 29 Beverage Management**

**Units:** 1.5

**Hours:** 27 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is a study of the exciting and ever-changing beverage industry with a focus on the business and management of bars. Topics include: Beverage history, Responsible service, Creating a bar business, Bar equipment, Wine Beer and Spirits, Mixology, Employee management, Purchasing and Government regulations and licenses. Alternative meetings off campus may be required. (HBCU, CSU)

### **CUL ART 30 Hospitality Law**

**Units:** 3

**Hours:** 54 hours LEC

**Term Typically Offered:** Every spring term

This course is an in-depth study of the law as it pertains to hotels, restaurants, bars, and private clubs. Emphasis will be placed on innkeeper/guest relationship, food service liability, responsible alcoholic beverage service,

employment law, compliance with Americans with Disabilities Act and civil rights, and building, health and safety codes. (CSU)

### **CUL ART 30A Wine Sales**

**Units:** 1.5

**Hours:** 27 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is an exploration of the wine industry's business of sales and distribution at regional and national levels while examining the three-tiered system in this country. The course provides a look into retail and wholesale pricing and the effect on the winery's sales goals. Students will also examine the role of brokers and distributors, reviewing the costs involved including margins, mark-ups, freight, taxes as well as importing and exporting wine. (CSU)

### **CUL ART 30B Wine Marketing**

**Units:** 1.5

**Hours:** 27 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** CUL ART 30A Wine Sales with a grade of "C" or better.

This course examines basic wine marketing methods and strategies, researching demographics of today's wine consumer. How to develop a marketing plan, branding and packaging in a competitive market is addressed. Developing marketing and promotional materials, creating budgets, planning promotional strategies, pricing and distribution options will be explored. (CSU)

### **CUL ART 31 Introduction to Viticulture, Winemaking, Wines of the World**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:** Must be 21 years or older to enroll in this course.

This course surveys the world of viticulture and the wine industry, including the history of viticulture, grapevine anatomy, worldwide grapes, wine production, the making of wine, and sensory evaluations. Since CUL ART 31 and PLANT 40 are cross listed courses, credit may be awarded for either CUL ART 31 or PLANT 40

but not both. This course requires an additional \$35 lab materials fee. (HBCU, UC, CSU)

### **CUL ART 32 Sensory Evaluation of Wine**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:** Must be 21 years of age or older to enroll in this course.

This course is an exploration of the principles of sensory wine evaluation. It is designed to expose students to a broad range of wine varietals and wine styles and to develop wine tasting skills useful at all levels of the wine industry.

Course includes tasting wines from many world wine regions, learning basic tasting techniques. Students learn the effect that climate, viticulture technique and production techniques have on wines. Students should bring six matching wine glasses to every class session. This course requires an additional \$35 lab materials fee. (CSU)

### **CUL ART 40 Food and Beverage Cost Control**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Advisories:** CUL ART 4 Food and Beverage Cost Technologies with a grade of "C" or better.

This course will analyze food, beverage, and labor cost controls. Problem solving and solution techniques are applied by students in realistic operational situations. Areas covered include: cost, volume, profit relationships; food cost determination; standard costs; forecasting; sales control and menu pricing; beverage control; and labor control. (CSU)

### **CUL ART 50SS Special Studies: Culinary Arts**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** CUL ART 1

Introduction to Hospitality Industry or CUL ART 3 Sanitation and Safety or CUL ART 5 Commercial Food Preparation or

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CUL ART 7 Baking with a grade of "C" or better.

A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment.

### **CUL ART 71 Plated Desserts**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** CUL ART 7

Baking and CUL ART 8 European Pastry Production with a grade of "C" or better.

This course is designed to give the student repeated opportunities in plated desserts design and components of desserts including, but not limited to, chocolate tempering, template manufacturing, various tuilles, frozen desserts, cake layers, sauces, sugar garnishes, mousses, and curds.

### **CUL ART 72 Retail Bakery Management**

**Units:** 4

**Hours:** 18 hours LEC; 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** CUL ART 7

Baking and CUL ART 8 European Pastry Production with a grade of "C" or better.

This course is designed to enable the student to manage a retail bakery. The student learns seasonal and specialty production planning for a retail bakery. The student develops skills in financial management of a bakery.

### **CUL ART 73 Garde Manger**

**Units:** 1

**Hours:** 9 hours LEC; 31.5 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** CUL ART 3 with a grade of "C" or better.

This course focuses on the art of the cold kitchen with emphasis on both modern and classical techniques. Topics include hors d'oeuvre, platters, plates, canapes, salads, brining, pickling, curing, and

smoking. This course also includes basic garnishing and fruit carving.

### **CUL ART 74 Catering**

**Units:** 2

**Grade Options:** Letter Grade

**Limitations on Enrollment:**

California Food Handlers Card or Serv Safe Certificate required for lab portion of this class.

**Advisories:** CUL ART 3 with a grade of "C" or better.

This course covers the business and culinary aspects of catering. Topics include starting a catering business, laws, licenses, taxes, insurance and contracts. Also included are interviewing clients and organizing catered menus and events; pricing menus and services; staffing, equipping, and transporting catered services; culinary techniques; and weddings and receptions. Off-campus catering events are required.

### **CUL ART 75 Introduction to Safe Food Handling**

**Units:** 0.5

**Hours:** 9 hours LEC; 9 hours LAB

**Grade Options:** Letter Grade

This course is designed to introduce the basics of safe food handling and preparation to take the Food Handlers Card exam. Units in this course do not count toward the associate degree.

### **CUL ART 80 Selected Topics: Culinary Arts**

**Units:** 0.5-4

This course is designed to offer instruction in one or more of the specialized areas of culinary arts not already covered by the existing curriculum.

### **CUL ART 85 Wine Regions of California**

**Units:** 1.5

**Hours:** 27 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:** Health & Safety. Student must be 21 years of age or older.

This course is a survey of wines of California, including history, viticulture practices, wine making styles, geography and sensory evaluation of representative wines from major AVA regions. The regions will include Sierra Foothills, Napa, Sonoma, Lodi, Mendocino, Monterey, San Luis Obispo/Paso Robles and Santa Barbara.

Students must bring six wine tasting glasses to class each week. This course requires an additional \$35 lab materials fee.

### **CUL ART 86A Introduction to Wines of the Old World - Europe**

**Units:** 1.5 - 2

**Hours:** 27 -36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

**Limitations on Enrollment:** Health & Safety. Student must be 21 years of age or older.

This is an introductory course to the wines of the old world. It will examine the exciting major wine regions of Italy, France, Spain and Germany, including the grape varieties, climates and geography of these regions and how this shapes the wines produced. This course will explore the importance of the wines produced in these countries and as well as the history and culture. Students must bring six wine tasting glasses to each class. This course requires an additional \$35 lab materials fee.

### **CUL ART 86B Introduction to World Wines - New World**

**Units:** 1.5

**Hours:** 27 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

**Limitations on Enrollment:** Health & Safety. Student must be 21 years of age or older.

This is an introductory course to the wines of the New World. It will examine the major wine producing regions of South America, South Africa, New Zealand, Australia, and North America (other than California). The grape varieties, climates and geography of these regions will be examined. This course will explore the importance of the history and culture behind the wines produced in these regions. Students must bring six wine tasting glasses to each class. This course requires an additional \$35 lab materials fee.

### **CUL ART 87 Direct to Consumer Wine Sales**

**Units:** 1.5

**Hours:** 27 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is an introduction to and overview of the sales and marketing of wine and the winery

directly to consumers. The course will include information on special events, creation and management of wine clubs, E-commerce, building connections with customers, and internet marketing. The focus is strictly on the aspects of marketing and selling wine directly to consumers.

**CUL ART 88 Wine Tasting Room Operations**

**Units:** 1.5

**Hours:** 27 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course examines wine tasting room customer service and sales. Managing crowds and responsible service, POS system use, inventory control, Wine Clubs, selling techniques, retail "gift shop" selling, wine vocabulary, and the laws and regulations of serving wine in California are covered. Out of state wine shipping laws and logistics will also be addressed.

**CUL ART 91 Wine Service for the Hospitality Professional**

**Units:** 1.5

**Hours:** 27 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course examines professional wine service in the hospitality industry. Exploration of purchasing, storage, sales and service of wine will be addressed. Overview of wine list composition, pricing structures and ordering are covered along with restaurant and banquet table service standards. This course requires an additional \$35 lab materials fee.

**CUL ART 92 Food and Wine Pairing**

**Units:** .75

**Hours:** 13.5 hours LEC; 13.5 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:** Health & Safety. Student must be 21 years of age or older.

This course is an exploration of the art and science of wine and food pairings. Students develop wine evaluation techniques to pair wines with appropriate foods. They also learn to suggest and sell wines in restaurant and retail settings to pair with specific foods. Culinary and wine industry students learn to

develop menus specifically designed for wine compatibility. This course requires an additional \$70 lab materials fee.

**CUL ART 93 Winery Special Events**

**Units:** 1.5

**Hours:** 27 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course examines a variety of winery special events. Topics cover identifying, planning and executing events. Students will participate in marketing, promotions, sales, scheduling and cost analysis activities for events such as wine club release parties, wine maker dinners, weddings, festivals, trade tastings and fundraising events.

**CUL ART 93V Work Experience: Culinary Arts**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

**Advisories:** CUL ART 3 with a grade of "C" or better.

This course is designed for the student employed in the area of culinary arts. The course objectives are developed by the students in consultation with his or her supervisor. The student is engaged in a specific research project or on-the-job learning activities under the supervision of a worksite supervisor and a college work experience instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140.

**Dance**

**DANCE 2 Selected Topics: Dance**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of dance not already covered by existing curricula. (CSU)

**DANCE 3 Choreography**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:**

Qualified Performer.

This course is an introduction to choreography through a series of problem solving activities. Choreographic process and application will be introduced to assist in the development of dance composition. (HBCU, UC, CSU)

**DANCE 4 Choreography**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** DANCE 3

Choreography with a grade of "C" or better.

This course is designed to study the intermediate and advanced elements of choreography. Short studies in dance composition in relation to musical and dramatic forms are presented. Lectures, discussions, and demonstrations are included. Practical application through class projects plus college and community performances directed by the student are presented. (HBCU, UC, CSU)

**DANCE 5A Dance Production: Repertory Company I**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is an introduction to group dance experiences through rehearsal, performance, dance technique training and technical theater practice. (UC, CSU)

**DANCE 5B Dance Production: Repertory Company II**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** DANCE 5A Dance

Production: Repertory Company I with a grade of "C" or better.

This is a continuing introduction course to group dance experiences through rehearsals, performances,

## COURSE DESCRIPTIONS

dance technique training, technical theater practices and performance skills such as dance etiquette, quick pick up of choreography or stage presence. (UC, CSU)

**DANCE 5C Dance Production: Repertory Company III**  
**Units:** 3  
**Hours:** 162 hours LAB  
**Grade Options:** Letter Grade or Pass/No Pass  
**Term Typically Offered:** Every term  
**Prerequisites:** DANCE 5B Dance Production: Repertory Company II with a grade of "C" or better. This is an intermediate dance production course involving group dance experiences through rehearsal, performance, dance technique training and technical theater practice. It introduces the concept of composing a choreography. (UC, CSU)

**DANCE 5D Dance Production: Repertory Company IV**  
**Units:** 3  
**Hours:** 162 hours LAB  
**Grade Options:** Letter Grade or Pass/No Pass  
**Term Typically Offered:** Every term  
**Prerequisites:** DANCE 5C Dance Production: Repertory Company III with a grade of "C" or better. This is an advanced dance production level course involving dance collaboration, rehearsals, performances, dance technique training and technical theater practice such as, staging, lighting, design, costume and make up. It presents the opportunity to choreograph, collaborate in creation dances and develop improvisation techniques. The focus is placed on fostering the emerging dance artist (UC, CSU).

**DANCE 6A Ballet I**  
**Units:** 2  
**Hours:** 18 hours LEC; 54 hours LAB  
**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term  
**Limitations on Enrollment:** Qualified Performer. This course is designed to introduce the fundamental theory and practice of ballet techniques. Emphasis is placed on placement, body alignment, muscular control, and the development of vocabulary of basic ballet positions and steps. This course also offers a study of

ballet history from 1600 to the present. (HBCU, UC, CSU)

**DANCE 6B Ballet II**  
**Units:** 2  
**Hours:** 18 hours LEC; 54 hours LAB  
**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term  
**Prerequisites:** DANCE 6A Ballet I with a grade of "C" or better. This course is a continuation of the fundamental theory and practice of ballet techniques. Emphasis is placed on placement, body alignment, muscular control, and the development of vocabulary of basic ballet positions and steps. This course also offers a study of ballet history from 1600 to the present. (HBCU, UC, CSU)

**DANCE 7A Ballet III**  
**Units:** 2  
**Hours:** 18 hours LEC; 54 hours LAB  
**Grade Options:** Letter Grade or Pass/No Pass  
**Term Typically Offered:** Every term  
**Prerequisites:** DANCE 6B Ballet II with a grade of "C" or better. This course is a review of the fundamental theory and practice of classical ballet and an introduction to intermediate level. Combinations are stressed. (HBCU, UC, CSU)

**DANCE 7B Ballet IV**  
**Units:** 2  
**Hours:** 18 hours LEC; 54 hours LAB  
**Grade Options:** Letter Grade or Pass/No Pass  
**Term Typically Offered:** Every term  
**Prerequisites:** DANCE 7A Ballet III with a grade of "C" or better. This course is a review of the intermediate theory and practice of classical ballet and an introduction to advanced level. A strong emphasis is placed on stylization and performance. Technique for basic beginning pointe work may be introduced. (HBCU, UC, CSU)

**DANCE 10A Modern Dance I**  
**Units:** 2  
**Hours:** 18 hours LEC; 54 hours LAB  
**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term  
**Limitations on Enrollment:** Qualified Performer.

This course explores the fundamental structure and technique of Modern Dance. It also emphasizes body control, conditioning, strengthening, and flexibility. An overview of Modern dance history is introduced. (HBCU, UC, CSU)

**DANCE 10B Modern Dance II**  
**Units:** 2  
**Hours:** 18 hours LEC; 54 hours LAB  
**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term  
**Prerequisites:** DANCE 10A Modern Dance I with a grade of "C" or better. This course reviews and expands the concepts of dynamics, space and the use of the body in Modern Dance. It also introduces the concept of gravity, time and use of breath. This course lays the stress on body control, conditioning, strengthening and flexibility. An overview of Modern Dance history is studied. (HBCU, UC, CSU)

**DANCE 11A Modern Dance III**  
**Units:** 2  
**Hours:** 18 hours LEC; 54 hours LAB  
**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term  
**Prerequisites:** DANCE 10B Modern Dance II with a grade of "C" or better. This course is a study of intermediate dance techniques and patterns in modern dance. Creative dances are practiced with the express purpose of establishing individual and group choreographies for public performances. (HBCU, UC, CSU)

**DANCE 11B Modern Dance IV**  
**Units:** 2  
**Hours:** 18 hours LEC; 54 hours LAB  
**Grade Options:** Letter Grade or Pass/No Pass  
**Term Typically Offered:** Every term  
**Prerequisites:** DANCE 11A Modern Dance III with a grade of "C" or better. This course is a study of high intermediate and advanced dance skills and techniques in modern dance. Creative dances are practiced with the express purpose of establishing individual and group dances for public performances. Performance skills and stylization

## COURSE DESCRIPTIONS

are highly stressed. (HBCU, UC, CSU)

### **DANCE 12A Jazz Dance I**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Qualified Performer.

This course is an introduction to standard beginners jazz dance with emphasis placed on anatomy, primary stretches, isolations, port de bras, terminology and fundamental jazz combinations. The course also offers an overview of jazz history and its cultural influence. (HBCU, UC, CSU)

### **DANCE 12B Jazz Dance II**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** DANCE 12A Jazz Dance I with a grade of "C" or better.

This course is a continuation of beginning skills and techniques in jazz. Various styles of jazz are studied. Emphasis is placed on body control, alignment, rhythms, combinations and terminology. The course also offers an overview of jazz history and its cultural influence. (HBCU, UC, CSU)

### **DANCE 13A Jazz Dance III**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every fall term

**Prerequisites:** DANCE 12B Jazz Dance II with a grade of "C" or better.

This course is designed to provide further opportunities to extend the student's knowledge of jazz dance, and to acquire techniques and skills at intermediate level. (HBCU, UC, CSU)

### **DANCE 13B Jazz Dance IV**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** DANCE 13A Jazz Dance III with a grade of "C" or better.

This course is designed to provide further opportunities to extend the student's knowledge of various styles of jazz dance, and to acquire techniques and skills at a high intermediate and advanced level. (HBCU, UC, CSU)

### **DANCE 20A Theatre Dance and Movement I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

#### **Limitations on Enrollment:**

Qualified Performer.

This course is an introduction to the study of the role of choreographed dance and the development of skills, techniques, styles and body agility necessary for participation in theater productions. (HBCU, UC, CSU)

### **DANCE 20B Theatre Dance and Movement II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

**Prerequisites:** DANCE 20A Theatre Dance and Movement I with a grade of "C" or better.

**Limitations on Enrollment:** Qualified Performer.

This course is the continuing study of the role of theater choreographed dance. Emphasis is placed on refining the development of skills, techniques and body agility necessary for participation in theater productions. This course also introduces progressive combinations with various advanced techniques and styles. (HBCU, UC, CSU)

### **DANCE 20C Theatre Dance and Movement III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

**Prerequisites:** DANCE 20B Theatre Dance and Movement II with a grade of "C" or better.

**Limitations on Enrollment:** Qualified Performer.

This course further develops dance skills, techniques, and movements in a variety of theater dance styles. Dance sequences and stories

related to characters are introduced for rehearsals and performances. (HBCU, UC, CSU)

### **DANCE 20D Theatre Dance and Movement IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

**Prerequisites:** DANCE 20C Theatre Dance and Movement III with a grade of "C" or better.

**Limitations on Enrollment:** Qualified Performer.

This course is the continuation of dance skills and techniques development at an advanced level. Emphasis is placed on style, expression, and presence and the learning of new dance theater materials for rehearsal and performances. (HBCU, UC, CSU)

### **DANCE 29 Dance Appreciation**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1; IGETC Area 3A

**Term Typically Offered:** Every term

This course is a brief study of dance history that examines dance and its artistic, social, historical and cultural contexts. Ballet, American modes of expression (such as modern and jazz forms), and other contemporary theatrical dance genres are explored. (HBCU, UC, CSU)

### **DANCE 30 Introduction to Dance**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every even fall term

This course is designed to introduce the fundamentals of dance. Students will be acquainted with various dance forms, movements, techniques and skills (Ballet, Jazz, Modern, Ethnic and Social dance). Students will also be exposed to the historical context of dance. (UC, CSU)

### **DANCE 32 Dance Cultures**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Areas C1 & C2; IGETC Area

## COURSE DESCRIPTIONS

3A

**Term Typically Offered:** Every term

This course will survey the development of various world dance forms and vernacular dances in the United States applying theoretical models to analyze dance. This course investigates the relationship of dance in the humanities and social sciences field. It places an emphasis on the role of dance as a carrier of cultural and aesthetics values, a tool for social justice and a witness to history. The impact of political, economic and religious forces shaping dance will also be examined. The course looks at dances originating from Africa, Asia, Native America and Latin America, and their contemporary presence in the United States. (HBCU, UC, CSU)

### **DANCE 34A Social Dance I**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

This course explores indigenous, ethnic, and culturally-derived movement aesthetics. It also covers the traditional significance, origins, movement patterns, and basic steps of various social dance forms. Latin, Caribbean, Asian and Pacific Islander, and more social dance forms are available for exploration. Field trips may be required. (HBCU, UC, CSU)

### **DANCE 34B Social Dance II**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Prerequisites:** DANCE 34A with a grade of "C" or better.

This is a beginner Social Dance course that focuses on the social components and movement patterns. This course continues to investigate indigenous, ethnic, and culturally-derived movement aesthetics in various dance forms (Latin, Caribbean, American, Asian and Pacific Islander as well as others accessible for study. Field trip may be required. The historical and sociological perspectives will also be examined. (HBCU, UC, CSU)

### **DANCE 35A Afro-Caribbean Dance I**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every odd spring term

This course is an introduction to the study of African and Caribbean dances. It introduces dance as a vehicle for cultural, historical and religious functions in the Caribbean through the lens of anthropologist, Katherine Dunham. Students will explore Caribbean dances with strong roots in the African culture, connections to black dance in North America and train in Dunham dance technique. (UC, CSU)

### **DANCE 35B Afro-Caribbean Dance II**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every odd spring term

**Prerequisites:** DANCE 35A Afro-Caribbean Dance I with a grade of "C" or better.

This course is a continuation of the study of African and Caribbean dances. It emphasizes the role of dance in African culture, its connections to Voodoo and to various dance techniques. Emphasis is also placed on polyrhythmic patterns as well as developing alignment and muscular control. This course also introduces African and Caribbean movement aesthetics. (UC, CSU)

### **DANCE 35C Intermediate Afro-Caribbean Dance III**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every odd spring term

**Prerequisites:** DANCE 35B Afro-Caribbean Dance II with a grade of "C" or better.

This course is a study of intermediate African Caribbean dance techniques and patterns in the Caribbean. Creative dances are practiced with the express purpose of establishing individual and group choreographies for public

performances. Emphasis will be placed on comparing and contrasting the original African dance form to the Caribbean one. (UC, CSU)

### **DANCE 35D Advanced Afro-Caribbean Dance IV**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every odd spring term

**Prerequisites:** DANCE 35C Intermediate Afro-Caribbean Dance III with a grade of "C" or better.

This course is a study of high advanced dance skills and techniques in African Caribbean dance. Creative dances are practiced with the express purpose of establishing individual and group dances for public performances. Performance skills and stylization are highly stressed. (UC, CSU)

### **DANCE 36A Hip Hop Dance 1**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course introduces students to basic skills and techniques of Hip Hop dance variations. Students will learn and explore dance combinations using a variety of music. This course offers a study of the cultural and social expression of Hip Hop. It also surveys the historical roots, the afro-diasporic dance traits that Hip Hop shares with traditional African dance. (UC, CSU)

### **DANCE 36B Hip Hop Dance**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Prerequisites:** DANCE 36A Hip Hop Dance 1 with a grade of "C" or better.

This course continues the exploration of Hip Hop dance techniques and styles - both historical and current. Emphasis will be placed on musicality, rhythms, and basic movements required to develop performance skills. (UC, CSU)

## COURSE DESCRIPTIONS

### **DANCE 36C Hip Hop Dance III**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** DANCE 36B with a grade of "C" or better.

This course is a study of intermediate dance techniques and patterns in Hip Hop dance.

Intermediate Hip Hop dances are composed and practiced with the express purpose of establishing individual and group choreographies for public performances. (HBCU, UC, CSU)

### **DANCE 36D Hip Hop Dance IV**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** DANCE 36C with a grade of "C" or better.

This course is a study of advanced dance skills and techniques in Hip Hop dance. Advanced dance compositions are practiced with the express purpose of establishing collaboration with artists, and group dances for public performances. A strong emphasis is placed on stylization, collaboration and performance within the communities. (HBCU, UC, CSU)

### **DANCE 37A West African Dance I**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 3

**Term Typically Offered:** Every even spring term

This course is an introduction to West African dance. Through dance movements, chants, and story-telling students will be immersed in and have an understanding of poly-rhythmic movements, aesthetics diversity, and societal purpose of dance. Students will also explore the traditions, values system, and history of West African cultures. (UC, CSU)

### **DANCE 37B West African Dance II**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every

even spring term

**Prerequisites:** DANCE 37A West African Dance I with a grade of "C" or better.

This course is a continuation to West African dance. It reviews and expands the concept of West African dance and culture, history, value systems and impact on the society. Students will explore the connection of dance and religion. Emphasis is also placed on polyrhythmic movements, body control, conditioning. (UC, CSU)

### **DANCE 37C Intermediate West African Dance III**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every even spring term

**Prerequisites:** DANCE 37B West African Dance II with a grade of "C" or better.

This course is a study of intermediate West African dance techniques. Creative dances are practiced with the express purpose of establishing individual and group choreographies for public performances. Emphasis is placed on styles. African dance influences within the diaspora will be explored. (UC, CSU)

### **DANCE 37D Advanced West African Dance IV**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every even spring term

**Prerequisites:** DANCE 37C Intermediate West African Dance III with a grade of "C" or better.

This course is a study of high intermediate and advanced dance skills and techniques in West African dance. Creative dances are practiced with the express purpose of establishing individual and group dances for public performances. Performance skills and stylization are highly stressed. (UC, CSU)

### **DANCE 40A Hatha Yoga I**

**Units:** 1.5

**Hours:** 9 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even fall term

This course is an introduction to Hatha yoga theory and practices.

The focus is on developing clear, basic and safe alignment in foundational poses, movement correctness and sequencing. Flexibility and strength core exercises are introduced. This course is open to and appropriate for all students. It is ideal for dancers for injury prevention. (HBCU, UC, CSU)

### **DANCE 40B Hatha Yoga II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even fall term

**Prerequisites:** DANCE 40A Hatha Yoga I with a grade of "C" or better.

This course is a continuation to Hatha yoga theory and practices. The focus is to keep on developing clear, and safe alignment in Hatha yoga poses, movements correctness and sequencing. Included are intermediate core strength, resistive and flexibility exercises. It is open to and appropriate for dancers and non-dancers. (HBCU, UC, CSU)

### **DANCE 40C Hatha Yoga III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even fall term

**Prerequisites:** DANCE 40B Hatha Yoga II with a grade of "C" or better.

This is an intermediate-level yoga course. Emphasis is placed on meditation practice and more complex breathing techniques. Complex intermediate level poses are introduced involving deep core muscles. Flexibility and balance are also integrated in numerous postures and variations. (HBCU, UC, CSU)

### **DANCE 40D Hatha Yoga IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even fall term

**Prerequisites:** DANCE 40C Hatha Yoga III with a grade of "C" or better.

This is a continuation of Hatha Yoga III to an advanced level. It is an in-depth yoga course. Students gain a more in-depth knowledge of yoga as well as a deeper insight into the different types of yoga and their philosophies of the practice. Emphasis is placed on increasing flexibility and strength as well as

## COURSE DESCRIPTIONS

introducing more advanced poses and variations. (HBCU, UC, CSU)

### **DANCE 41A Pilates I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is an introduction to Pilates Mat work with an emphasis on body/mind awareness, flexibility, core strength and efficiency of movement. Pilates leads to improved performance in all dance techniques, athletics and fitness. (UC, CSU)

### **DANCE 41B Pilates II**

**Units:** 1

**Hours:** 54 hours LAB

**Term Typically Offered:** Every spring term

**Prerequisites:** DANCE 41A Pilates I with a grade of "C" or better.

This course is a continuation of Pilates I. Offered to students with limited previous experience, this course reviews the basic concepts of Pilates and keeps the focus on body awareness, flexibility, core strength and efficiency of movement. (UC, CSU)

### **DANCE 41C Pilates III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** DANCE 41B Pilates II with a grade of "C" or better.

This course is for the intermediate level. It introduces an intermediate level repertoire that focuses on building up a strong core muscles, alignment and the efficiency of movement (cadence and rhythm on a mat). In addition, this course strengthens the body and mind interaction. (UC, CSU)

### **DANCE 50SS Special Studies: Dance**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be

signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment.

This course is designed for the student qualified to do advanced work in dance. The course includes research, directed reading, fieldwork or other advanced study which must be arranged and approved by the instructor and the division dean before enrolling in the course. (CSU)

### **DANCE 75 Selected Topics: Dance**

**Units:** 0.5-4

**Hours:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Dance not already covered by the existing curriculum.

### **DANCE 101 Creative Dance: Seniors**

**Units:** 0

**Hours:** 54 hours LAB

**Grade Options:** No Grade Associated

**Limitations on Enrollment:**

Qualified performer.

This noncredit course is designed to give the student an opportunity to work with a variety of dance performance practices, including rehearsal and performance, technical areas and activities related to 'front of the house' duties. Emphasis is placed on work as an individual as well as in ensemble settings. This noncredit course is repeatable.

## **Developmental Education**

### **DV ED 120 Tutorial Assistance**

**Units:** 0

**Hours:** 9-378 hours LAB

**Grade Options:** No Grade Associated

**Term Typically Offered:** Every term

This course is designed to provide tutoring support for students enrolled in regular classes. The course offers one hour of tutoring for each course unit. Tutoring is provided with special attention to learning styles, study skills such as notetaking, textbook reading, problem solving, and test-taking. Students are provided computer access. The course goal is to help the student become a self-sufficient, independent learner.

## **Diesel Technology**

### **DIESL 50SS Special Studies: Diesel Technology**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** DIESL 91 Heavy Duty Brakes or DIESL 94 Diesel Engine Principles with a grade of "C" or better.

**Limitations on Enrollment:** A

student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is open to the student qualified to do advanced work in the field. The course includes research, directed reading, field work, or other advanced study which must be arranged and approved by the instructor and dean before enrolling in the course. (HBCU, CSU)

### **DIESL 75 Selected Topics: Diesel Technology**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Diesel Technology not already covered by the existing curriculum.

### **DIESL 89 Introduction to ADA Wheelchair Ramp and Lifts**

**Units:** 1

**Hours:** 18 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course will provide information on how the ADA wheelchair ramps and lifts operate on a transit vehicle. Students will learn how to maintain as well as troubleshoot the systems.

### **DIESL 91 Heavy Duty Brakes**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is designed to provide technical information and to develop skill in working on air brake

systems. Basic instruction is provided through practical work on truck brake systems and related mock-ups in preparation for employment in the truck and diesel industry.

**DIESL 92 Heavy Duty Power Trains**

**Units:** 3.5

**Hours:** 27 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to provide technical information and to develop skills in working on transmissions and clutches. Basic and advanced instruction is provided through practical work on truck transmissions and clutches used in today's modern trucks in preparation for employment in the truck and diesel industry.

**DIESL 93 Heavy Duty Truck Components**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to provide technical information and to develop skills in working on differentials, steering systems, and suspension systems. Basic and advanced instruction is provided through practical work on truck components used in today's modern truck in preparation for employment in the truck and diesel industry.

**DIESL 94 Diesel Engine Principles**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is designed to provide technical information and to develop skills in working on engines and vehicle maintenance. Basic instruction is provided through practical work on diesel engines and related mock-ups in the preparation for employment in the truck and diesel industry.

**DIESL 95 Diesel Engine Repair**

**Units:** 4.5

**Hours:** 27 hours LEC; 162 hours

LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is designed to prepare the student to repair and replace components on diesel engines. The course provides advanced technical information addressing complete overhaul and testing of diesel engines used in different makes of trucks.

**DIESL 96 Diesel Engine Fuel and Tune-Up**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to provide technical information and to develop skills in working on diesel fuel systems. Basic and advanced instruction is provided through practical work on diesel fuel pumps, injectors and engines in preparation for employment in the truck and diesel industry.

**DIESL 97 Diesel Air Conditioning**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

This course is designed to provide technical information and to develop skills in working on diesel air conditioning systems including transit buses and Transport Refrigeration Units (TRU). The course provides basic and advanced instruction through practical work on components used in today's modern equipment.

**DIESL 98 Allison Transmission Service**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to provide technical information and develop skills in working on Allison automatic transmissions. Basic and advanced instruction is provided through practical work on Allison transmissions used in today's modern trucks, buses, and recreational vehicles.

**DIESL 98V Work Experience: Diesel Mechanics**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

**Advisories:** COUN 30, COUN 31, COUN 32, and COUN 33 with a grade of "C" or better.

This course is designed for the student participating in an occupational work experience in diesel mechanics. Application of discipline-related skills and knowledge of Secretaries Commission on Achieving Necessary Skills (SCANS) competencies is emphasized. Each student is engaged in specific on-the-job learning activities under the supervision of a worksite supervisor and a college work experience instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. Units earned in this course do not count toward the associate degree.

**DIESL 99 Computer Diagnosis and Troubleshooting**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to provide technical information and to develop skills in working on diesel engine electronic controls. The operation, construction, and service procedures on various manufacturers in electronic fuel systems used in today's modern trucks is included.

**Digital Media**

**DMEDIA 1 Introduction to Broadcasting/Electronic Media**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every

## COURSE DESCRIPTIONS

term

This course introduces the history, structure, function, economics, content and evolution of radio, television, film, the Internet, and new media, including emerging, traditional and mature formats. The social, theoretical, political, regulatory, ethical and occupational impact of the electronic media, including media literacy, are also studied. (UC, CSU)

### **DMEDIA 2 Writing for Digital Media**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to offer the student fundamental instruction in writing for digital media. Topics covered include writing for the following mediums: television, film, social media, and online news channels. Focus will be on complementing writing with digital content production. Emphasis on preparing scripts in proper formats, including fundamental technical, conceptual and stylistic issues related to writing fiction and non-fiction scripts for informational and entertainment purposes in film and electronic media. Journalistic principles and styles will be covered, as well as technical writing for corporate communications, public information, advertising, and marketing. Study of legal and ethical issues pertaining to media writing will also be examined. (CSU)

### **DMEDIA 5 Selected Topics: Radio/Television**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of radio/television not already covered by the existing curriculum. (CSU)

### **DMEDIA 11 Audio Production**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course serves as an introduction to audio theory, performance, and content production including: use of voice, digital editing, sound effects, writing, and content creation and distribution for a variety of audio

platforms. Students gain hands-on experience recording, editing, mixing, and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, audio editing software, and audience engagement and distribution methods. Students will have an opportunity to apply the learned materials to actual audio production including podcasting, video production, and contribute to KWDC, Delta College Radio. (HBCU, CSU)

### **DMEDIA 21 Video Production**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This is a hands-on, project-oriented course teaching theory, aesthetics, technical skills, editing, and distribution of single-camera video content production. Emphasis is placed on understanding and utilizing the three major phases of production. This course provides fundamentals on basic camera composition, audio for video, portable lighting, and content distribution for a variety of platforms including television, cable, video, streaming, and mobile digital communication and programming. (HBCU, CSU)

### **DMEDIA 24 Digital Media Editing**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** DMEDIA

11 or DMEDIA 21 with a grade of "C" or better.

This course focuses on intermediate to advanced digital media editing skills using non-linear editing systems for post-production, and delivery techniques for audio and video projects. Students will learn how to capture, create, manipulate, effectively communicate, and deliver information to intended audiences. The specific focus will be on choosing the right medium for message delivery. (CSU)

### **DMEDIA 25A Digital Media**

**Content**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** DMEDIA 11 Audio Production or DMEDIA 21 Video Production with a grade of "C" or better.

This course focuses on real-world application of skills in live or on-demand media environments. Students will learn how to contribute to and run multi-platform performances, with emphasis on being agile in deadline-driven content delivery. The focus will be on providing skills necessary to communicate effectively in fast-paced media situations. (CSU)

### **DMEDIA 25B Digital Media**

**Production**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** DMEDIA 11 Audio Production or DMEDIA 21 Video Production with a grade of "C" or better.

This course focuses on intermediate practices in editing and studio work for digital media content production, with special emphasis on leading and content decision making. Students will learn to identify proper communication mediums, prepare for multi-platform broadcast, create multimedia content to complement live broadcast, and build scheduling. Focus will be on developing in-field leadership practices. (CSU)

### **DMEDIA 31 Media Performance**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course focuses on individual speech improvement through the study and practice of voice control and manipulation, proper breathing, and diction. Students practice improving articulation, pronunciation, interpretation, vocal quality, and communicative abilities while working to create a digital media portfolio. (HBCU, CSU)

### **DMEDIA 50SS Special Studies:**

#### **Digital Media**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** DMEDIA 1

Introduction to

Broadcasting/Electronic Media with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed to allow a qualified student to do advanced work in the field of Digital Media. The course includes research, directed reading, fieldwork, or other advanced study, which must be arranged and approved by the instructor and the division dean before enrolling in the course. (HBCU, CSU)

### **DMEDIA 69V Internship: Radio Television Digital Media**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student participating in an occupational internship in Radio Television or Digital Media production. Application of discipline related skills and knowledge are emphasized. Each student is engaged in specific on-the-job learning activities under the supervision of a work site supervisor and a college internship instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. (CSU)

### **DMEDIA 75 Selected Topics:**

#### **Digital Media**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Radio and Television not already covered by the existing curriculum.

### **DMEDIA 98V Work Experience:**

#### **Digital Media**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

**Prerequisites:** DMEDIA 11 Audio Production or DMEDIA 31 Media Performance or DMEDIA 21 Video Production each with a grade of "C" or better.

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student participating in an occupational work experience in radio, television, streaming, broadcasting, or relevant digital media field. Application of discipline-related skills and knowledge are emphasized. Each student is engaged in on-the-job learning activities under the supervision of a work site supervisor and a college work experience instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office in Holt 140. Units earned in this course do not count toward the associate degree.

### **DMEDIA 111 Audio Production**

**Units:** 0

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

This noncredit course serves as an introduction to audio theory, performance, and content production including: use of voice, digital editing, sound effects, writing, and content creation and distribution for a variety of audio platforms. Students gain hands-on experience recording, editing,

mixing, and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, audio editing software, and audience engagement and distribution methods. Students will have an opportunity to apply the learned materials to actual audio production including podcasting, video production, and contribute to KWDC, Delta College Radio. Noncredit courses may be repeated.

### **DMEDIA 121 Video Production**

**Units:** 0

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

This noncredit course is a hands-on, project-oriented course teaching theory, aesthetics, technical skills, editing, and distribution of single-camera video content production. Emphasis is placed on understanding and utilizing the three major phases of production. This course provides fundamentals on basic camera composition, audio for video, portable lighting, and content distribution for a variety of platforms including television, cable, video, streaming, and mobile digital communication and programming. Noncredit courses may be repeated.

### **DMEDIA 131 Media Performance**

**Units:** 0

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

This noncredit course focuses on individual speech improvement through the study and practice of voice control and manipulation, proper breathing, and diction. Students gain practice with commercial material and ad lib announcing. Students will complete a digital media portfolio. Noncredit courses may be repeated.

## **Dramatic Arts**

### **DRAMA 5 Selected Topics:**

#### **Drama**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized

## COURSE DESCRIPTIONS

areas of drama not already covered by existing curricula. (CSU)

### **DRAMA 6A Improvisational Theatre I**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed as an introduction to theatre games and improvisational techniques such as "long form improv". The student will examine and explore non-scripted creative expression and interaction. The course will culminate in an improvisational performance for an invited audience. (HBCU, CSU)

### **DRAMA 6B Improvisational Theatre II**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** DRAMA 6A Improvisational Theatre I with a grade of "C" or better.

This course is designed as continued study of theatre games and improvisational techniques such as "long form improv". The student will examine and explore non-scripted creative expression and interaction. The course will culminate in an improvisational performance for an invited audience. (HBCU, CSU)

### **DRAMA 10 Introduction to Theatre**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3;

CSU Area C1; IGETC Area 3A

**Term Typically Offered:** Every term

This course is a survey course focusing on the relationship of theatre to various cultures throughout history, and the contributions of significant individual artists. This course introduces students to elements of the production process including playwriting, acting, directing, design, and criticism. Periods, styles, and genres of theatre will be explored through play reading, discussion, and viewing and critiquing live theatre, including required attendance of theatre

productions. (HBCU, UC, CSU, C-ID THTR 111 and THTR 112)

### **DRAMA 12 Drafting for the Stage**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** DRAMA 19A

Introduction to Stagecraft with a grade of "C" or better, or

**Corequisites:** DRAMA 19A.

This course is a study of mechanical drafting for theatre. Hand and computer aided drafting are studied. Emphasis is placed on drafting techniques used in stage scenery and lighting applications. (CSU)

### **DRAMA 14A Stage Props I**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** DRAMA 19A

Introduction to Stagecraft with a grade of "C" or better.

This course is a study of the techniques used in the creation of props for live theatre. Emphasis is placed on the creation of hand props and set dressing, along with script analysis and research necessary for a props artisan. (CSU)

### **DRAMA 14B Stage Props II**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** DRAMA 14A Stage Props I with a grade of "C" or better.

This course is an advanced study of stage props. Emphasis is placed on advanced techniques for props creation and the responsibilities of the theatrical Props Master. (CSU)

### **DRAMA 15A Makeup for the Theatre**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to provide study of the theory and techniques of makeup for the theatre. Types of makeup application include straight, age, and character makeup, as well as facial hair application. Laboratory sessions and work on a makeup crew for college productions or a special

project are required. (UC, CSU, C-ID THTR 175)

### **DRAMA 15B Makeup for the Theatre: Advanced Makeup**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** DRAMA 15A

Makeup for the Theatre with a grade of "C" or better.

This course is designed to provide advanced theory and techniques of makeup for the theatre. Types of makeup application include animal and fantasy, blood and gore, airbrush techniques, 3-dimensional body painting techniques, and application of prefabricated prosthetics. Laboratory sessions and work on a makeup crew for college productions or a special project are required. (CSU)

### **DRAMA 15C Makeup for the Theatre: Special Effects**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** DRAMA 15B

Makeup for the Theatre: Advanced Makeup with a grade of "C" or better.

This course is designed to provide advanced theory and techniques of makeup for the theatre. Types of makeup applications and processes include life-mask creation, clay sculpting and molding techniques, latex and gelatin prosthetics, and advanced blood and gore. Laboratory sessions and work on a make-up crew for college productions or a special project are required. (CSU)

### **DRAMA 16A History of Theatre: Primitive to the 18th Century**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3;

CSU Area C1; IGETC Area 3A

**Term Typically Offered:** Every term

This course is designed to introduce the physical structure, representative plays, practices, and theatre traditions from primitive times to the 18th century. (HBCU, UC, CSU, C-ID THTR 113)

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### **DRAMA 16B History of Theatre:18th Century to Present** **Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1; IGETC Area 3A

This course is designed to introduce the scenic styles, theatre architecture, representative plays, practices and theatre traditions from the 18th century to the present in Europe and America. Influences derived from the Asian theatre are also included. (HBCU, UC, CSU)

### **DRAMA 19A Introduction to Stagecraft** **Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introductory lecture, demonstration and laboratory experience focusing on stage scenery production. An introduction to stage costume, lighting, and sound production are also included. Participation on construction crews for Theatre Arts productions is required. (HBCU, UC, CSU, C-ID THTR 171)

### **DRAMA 19B Principles of Stage Design** **Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** DRAMA 19A Introduction to Stagecraft with a grade of "C" or better.

This course is a study of stagecraft design, stagecraft research techniques, and stagecraft production organization as it pertains to scenery, lighting, sound, and costuming. Students study the aesthetics, practical applications, and the principles of set, sound, lighting, and costume production as they apply to theatre performance. Participation in backstage crews for Theatre Arts productions is required. (HBCU, UC, CSU, C-ID THTR 172)

### **DRAMA 20A Scenic Painting I** **Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Advisories:** DRAMA 19A

Introduction to Stagecraft with a grade of "C" or better.

This course is a study of scenic painting. The course focuses on the tools, materials, and techniques of the scenic artist for live theatre. (CSU)

### **DRAMA 20B Scenic Painting II** **Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** DRAMA 20A Scenic Painting I with a grade of "C" or better.

This course is an advanced study of scenic painting techniques. The course focuses on advanced techniques in scenic painting, and the responsibilities of the Scenic Charge Artist. (CSU)

### **DRAMA 21A Stage Sound I** **Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Advisories:** DRAMA 19A with a grade of "C" or better.

This course is a study of theatrical sound design and engineering. The course introduces the theory and practice of sound design and engineering and practical experience with a wide variety of sound equipment. (CSU)

### **DRAMA 21B Stage Sound II** **Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** DRAMA 21A Stage Sound I with a grade of "C" or better.

This course is an advanced study of theatrical sound production. Emphasis is placed on sound recording, manipulation, and playback for live theatre. (CSU)

### **DRAMA 21C Stage Sound III** **Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** DRAMA 21B Stage Sound II with a grade of "C" or better.

This course is an advanced study of live sound reinforcement for theatre. Emphasis is placed on the

equipment and techniques for effective sound reinforcement in theatre. (CSU)

### **DRAMA 22A Stage Lighting I** **Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** DRAMA 19A with a grade of "C" or better.

This course is an introductory course in stage lighting for live theatrical production. Stage lighting technology and lighting design principles are explored. Practical application of lighting principles is emphasized. (UC, CSU, C-ID THTR 173)

### **DRAMA 22B Stage Lighting II** **Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** DRAMA 22A Stage Lighting I with a grade of "C" or better.

This course is an advanced intermediate study of stage lighting. Emphasis is placed on application of stage lighting technology, stage lighting system operation, and the responsibilities of a theatrical Master Electrician. (CSU)

### **DRAMA 22C Stage Lighting III** **Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** DRAMA 22B Stage Lighting II with a grade of "C" or better.

This course is an advanced study of stage lighting technology and programming. Emphasis is placed on the setup, operation, and programming of automated stage lighting fixtures. (CSU)

### **DRAMA 23A Stage Costume: Costume Construction I** **Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** DRAMA 19A with a grade of "C" or better.

This course is study in costume construction and the basic techniques needed to create simple garments for the stage. Emphasis is

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placed on hand and machine sewing as well as recognizing essential elements found in traditional patterning and finished garments. These skills will provide the student with the necessary knowledge to implement hands-on activities in support of theatrical productions. (UC, CSU, C-ID THTR 174)

### **DRAMA 23B Stage Costume: Costume Construction II**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** DRAMA 23A Stage Costume: Costume Construction I with a grade of "C" or better. This course is a study in costume construction and advanced techniques needed to create garments for the stage. Emphasis is placed on fit and alteration, pattern drafting, and completing a finished garment. These skills will provide the student with the necessary knowledge to implement hands-on activities in support of theatrical productions. (CSU)

### **DRAMA 23C Stage Costume: Costume Crafts**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** DRAMA 23A Stage Costume: Costume Construction I with a grade of "C" or better. This course is a study in costume crafts needed to accentuate and embellish costumes for the stage. Emphasis is placed on millinery techniques, shoe manipulation, machine and hand embroidery techniques, fabric manipulation, painting and dyeing, mask making, and the use of theatrical industry products to create elements such as armor. These skills will provide the student with the necessary knowledge to implement hands-on activities in support of theatrical productions. (CSU)

### **DRAMA 24A Scenic Construction I**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** DRAMA 19A with a grade of "C" or better.

This course is an intermediate course in scenic construction. Students study tools, materials, and techniques used in the construction of scenery for live theatrical performance. Emphasis is placed on traditional construction techniques using wood, metal, and plastics. (CSU)

### **DRAMA 24B Scenic Construction II**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** DRAMA 24A Scenic Construction I with a grade of "C" or better.

**Advisories:** DRAMA 12 with a grade of "C" or better.

This course is an advanced course in scenic construction. Students explore advanced construction techniques and practices for live theatre. Emphasis is placed on the responsibilities of the theatrical Master Carpenter and Technical Director. (CSU)

### **DRAMA 25A Theatre Production: Acting**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:** Qualified Performer.

This course is rehearsal and performance for public presentation. Emphasis is placed on individual initiative, dependability, development, and participation. This course is repeatable per Title 5 section 55041(a)(1). (UC, CSU, C-ID THTR 191)

### **DRAMA 25B Theatre Production: Crew**

**Units:** 1-3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:** Qualified Performer.

This course is a laboratory in rehearsal, performance and production crew work, with emphasis placed on solving the problems of production by preparing plays for public performance. (UC, CSU, C-ID THTR 192)

### **DRAMA 27A Repertory**

#### **Workshop: Acting I**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

**Limitations on Enrollment:**

Qualified Performer.

This is a beginning course in rehearsal and performance of one or more workshop productions. Emphasis is placed on solving the problems of acting in a live production, such as character development. (UC, CSU)

### **DRAMA 27B Repertory**

#### **Workshop: Acting II**

**Units:** 2

**Hours:** 108 hours LAB

**Term Typically Offered:** Every even spring term

**Prerequisites:** DRAMA 27A

Repertory Workshop: Acting I with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This is an intermediate course in rehearsal and performance of one or more workshop productions. Emphasis is placed on solving the problems of acting in a live production. (CSU, UC)

### **DRAMA 27C Repertory**

#### **Workshop: Acting III**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

**Prerequisites:** DRAMA 27B

Repertory Workshop: Acting II with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This is an advanced intermediate course in rehearsal and performance of one or more workshop productions. Emphasis is placed on solving the problems of acting in a live production. (UC, CSU)

### **DRAMA 27D Repertory**

#### **Workshop: Acting IV**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

**Prerequisites:** DRAMA 27C

Repertory Workshop: Acting III with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This is an advanced course in

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rehearsal and performance of one or more workshop productions. Emphasis is placed on solving the problems of acting in a live production. (UC, CSU)

### **DRAMA 29A Repertory**

**Workshop: Crew I**

**Units:** 1-2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

**Limitations on Enrollment:**

Qualified Performer.

This is a beginning course rehearsal, performance, and crew work where emphasis is placed on solving the problems of production by preparation of small cast plays or one-acts for public performance. Which may include stage and production crew duties such as stagehand, wardrobe crew, carpenter, electrician, etc. (UC, CSU)

### **DRAMA 29B Repertory**

**Workshop: Crew II**

**Units:** 1-2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

**Prerequisites:** DRAMA 29A

Repertory Workshop: Crew I with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This is an intermediate course in rehearsal, performance, and crew work where emphasis is placed on solving the problems of production by preparation of small cast plays or one-acts for public performance. Which may include stage and production crew duties such as light/sound operator, flyman, followspot operator, etc. (UC, CSU)

### **DRAMA 29C Repertory**

**Workshop: Crew III**

**Units:** 1-2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

**Prerequisites:** DRAMA 29B

Repertory Workshop: Crew II with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This is an advanced intermediate course in rehearsal, performance, and crew work where emphasis is placed on solving the problems of production by preparation of small cast plays or one-acts for public

performance. Which may include stage and production crew duties such as deck manager, assistant master electrician, wardrobe crew head, etc. (UC, CSU)

### **DRAMA 29D Repertory**

**Workshop: Crew IV**

**Units:** 1-2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

**Prerequisites:** DRAMA 29C

Repertory Workshop: Crew III with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This is an advanced course in rehearsal, performance, and crew work where emphasis is placed on solving the problems of production by preparation of small cast plays or one-acts for public performance. Which may include stage and production crew duties such as stage manager, scenic designer, lighting designer, costume designer. (UC, CSU)

### **DRAMA 31 Acting I: Introduction to Acting**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every fall term

This course is an introduction to the basic principles, techniques and concepts used in acting. Various acting methods are practiced such as effective communication, collaboration and analysis with attention to historical and cultural context. (HBCU, UC, CSU, C-ID THTR 151)

### **DRAMA 32 Voice and Movement for the Actor**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course provides foundations, principles, and exercises designed to aid the actor's exploration of the body and voice as the core instrument and mode of expression. Actors will work toward the development of voice and speech to strengthen, support, and vary the quality of the voice through practice of basic relaxation techniques,

breath, resonance, articulation, and projection. Actors will work with body alignment in order to create a neutral palate for the actor's work to begin. The course focuses on vocal pitch, stress, rate, quality, and inflection through a variety of material and the uses of the International Phonetic Alphabet (IPA-narrow transcription) to enhance clarity of speech on stage. Movement techniques explore will include: Viewpoints, mask, dance, gesture, and psycho-physical acting. (CSU)

### **DRAMA 33 Stage Combat for the Actor**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This class covers the diverse cultural influences, history, theory and practice of the art of stage combat. Students learn a controlled simulated approach to performing punches, slaps, falls and choreographed weapons work. Eye/hand coordination, principles of safety in working with a partner are also covered. Students work individually on basic solo skills then move into advanced partner techniques. (CSU)

### **DRAMA 34 Acting II: Intermediate Acting**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** DRAMA 31 Acting I: Introduction to Acting with a grade of "C" or better.

This course follows Acting I and continues the exploration of theories and techniques used in preparation for interpretation of drama through acting. The emphasis will be placed on deepening the understanding of the acting process through character analysis, monologues, and scenes. (UC, CSU, C-ID THTR 152)

### **DRAMA 35 Classical and Shakespearean Acting**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** DRAMA 31 Acting I: Introduction to Acting, with a grade

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of "C" or better.

This course is a continued exploration of the theories and techniques used in preparation for the interpretation of drama through acting. Emphasis will be placed on deepening the understanding of the acting process through textual and character analysis, monologues, and scenes using Shakespearean and other classical texts. The student will examine the approach to structure and meter of verse as well as the voice and movement needs to demystify the approach to styles of acting used in classical theatre from the Greeks through the Restoration. (CSU)

### **DRAMA 36A Acting/Directors Workshop I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even fall term

**Advisories:** DRAMA 31 Acting I: Introduction to Acting with a grade of "C" or better.

This is a beginning course for student actors in student-directed performances. Students will audition, rehearse, and perform for student directors. (CSU)

### **DRAMA 38 Acting for the Camera**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even fall term

**Prerequisites:** DRAMA 31 Acting I: Introduction to Acting, with a grade of "C" or better.

This course is designed to examine the skills and techniques necessary for acting in the film and television media. Studies include camera orientation and terminology, on-camera scene study, monologues, improvisation, and acting for commercials. (UC, CSU)

### **DRAMA 39A Directing for Actors I**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** DRAMA 31 Acting I: Introduction to Acting with a grade of "C" or better.

This course is designed to introduce basic principles of directing, including the preparation

of a play script from the first reading, through casting, rehearsals, and performance. The student will examine the basic function of the stage director as emphasis will be placed on the theory of directing as well as on its practical application for the stage. (HBCU, CSU)

### **DRAMA 39B Directing for Actors II**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every odd spring term

**Prerequisites:** DRAMA 39A

Directing for Actors I with a grade of "C" or better.

This intermediate course is designed as a practical application of the directing skills in rehearsal and performance of one or more workshop productions. Emphasis is placed on solving the problems of stage direction in a live production. (HBCU, CSU)

### **DRAMA 39C Directing for Actors III**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every odd spring term

**Prerequisites:** DRAMA 39B

Directing for Actors II with a grade of "C" or better.

This advanced course is designed as a practical application of the directing skills in rehearsal and performance of one or more workshop productions. Emphasis is placed on solving the problems of stage direction in a live production, as well as taking on responsibilities of production management and artistic direction. (HBCU, CSU)

### **DRAMA 40A Technical Theatre Portfolio I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** DRAMA 19A

Introduction to Stagecraft with a grade of "C" or better, or

**Corequisites:** DRAMA 19A.

This course is an introductory course in the development of the technical theatre portfolio. Emphasis is placed on the creation and documentation of portfolio projects. (CSU)

### **DRAMA 40B Technical Theatre Portfolio II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** DRAMA 40A

Technical Theatre Portfolio I with a grade of "C" or better.

This course is an intermediate course in the development of the technical theatre portfolio.

Emphasis is placed on the creation and documentation of portfolio projects, and the process of seeking employment in technical theatre. (CSU)

### **DRAMA 40C Technical Theatre Portfolio III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** DRAMA 40B

Technical Theatre Portfolio II with a grade of "C" or better.

This course is an advanced course in the development of the technical theatre portfolio. The course focuses on the creation, documentation and critique of portfolio projects, and the process of seeking employment in technical theatre. (CSU)

### **DRAMA 41 The Business of Acting: Audition Techniques and Career Development**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

**Prerequisites:** DRAMA 31 Acting I: Introduction to Acting with a grade of "C" or better.

This course will cover the elements of auditioning techniques for college, community, and professional theatre auditions and will include: monologue selection and styles, cold reading, actor's preparation, research, resume development, interviewing skills and practical application of acting techniques for audition purposes. Students will be exposed to a variety of professionals from the theatrical and film world and will learn how to create a portfolio of audition material. (CSU)

## COURSE DESCRIPTIONS

### **DRAMA 42 Projection for the Stage**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even fall term

**Prerequisites:** DRAMA 19A

Introduction to Stagecraft with a grade of "C" or better.

This course is a study of projection manipulation and execution for the stage. Emphasis is placed on software and equipment used in creation, manipulation and presentation of projection images for use in live theatrical productions. (CSU)

### **DRAMA 43 Principles of Stage Rigging**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every odd fall term

**Prerequisites:** DRAMA 19A

Introduction to Stagecraft with a grade of "C" or better.

**Limitations on Enrollment:** Health and Safety and ability to work at heights and lift 40 lbs.

This course is a study of the principles of stage rigging. Emphasis is placed on safe rigging of loads in dead-hung, counterweight, and motorized rigging applications. This course is designed to prepare the student to work as a supervised rigging assistant, through exploration of rigging theory and techniques, as a step toward further study and/or future industry certification. (CSU)

### **DRAMA 44A Traditional Theatre Production: Acting**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:** Qualified Performer.

This is a course in rehearsal and performance of traditional theatre for a live audience. It includes acting, stage movement, rehearsal and public performance. This course is repeatable per Title 5 section 55041(a)(1). (HBCU, CSU, C-ID THTR 191)

### **DRAMA 44B Traditional Theatre Production: Crew**

**Units:** 1-3

**Hours:** 54 - 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This course is a course in rehearsal, performance, and production crew work where emphasis is placed on solving the problems of production by preparation of public performance for a traditional theatre audience. This course is repeatable as per Title 5, section 55041(a)(1). (HBCU, CSU, C-ID THTR 192)

### **DRAMA 46 Scriptwriting**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even fall term

This course is offered to the student interested in learning about and writing scripts for the stage, radio, film, and/or television. Students will study and practice plot structure, character development, realistic and absurdist dialogue, stage directions, and formats for the specific genres of scriptwriting. (CSU)

### **DRAMA 47A Musical Theatre Production: Acting**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

**Limitations on Enrollment:**

Qualified Performer.

This course is designed to teach the student how to perform in the genre of musical theatre. Emphasis is placed on learning how to make believable transitions in characterizations from acting, to singing, and to dancing. History and styles of musicals are included. The course is not designed to teach the basic elements of acting, singing, or dancing, but rather how to coordinate them. (UC, CSU, C-ID THTR 191)

### **DRAMA 47B Musical Theatre Production: Crew**

**Units:** 1-3

**Hours:** 54 - 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

**Limitations on Enrollment:**

Qualified Performer.

This course is a beginning course in rehearsal, performance, and production crew work where emphasis is placed on solving the

problems of musical theatre production by preparation of public performance. (UC, CSU, C-ID THTR 192)

### **DRAMA 50SS Special Studies:**

**Drama**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:** A

student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed so a qualified student may do advanced work in drama. The course includes research, directed reading, field work, or other advanced study which must be arranged and approved by the instructor and the dean before enrolling in the course. (CSU)

### **DRAMA 51 Stage Combat in Performance**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Limitations on Enrollment:**

Qualified performer.

This course is specially designed to give students exposure to basic stage combat in an applied laboratory setting. The course supports the development of a portfolio of stage combat skills as applied to specific theatrical text(s) and/or production requirements. The course integrates learning previously done in acting, voice, and/or movement classes and includes practical application in public performance. (CSU)

### **DRAMA 75 Selected Topics:**

**Drama**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Drama not already covered by the existing curriculum.

### **DRAMA 101 Creative Seniors:**

**Drama**

**Units:** 0

**Hours:** 54 hours LAB

## COURSE DESCRIPTIONS

**Grade Options:** No Grade  
Associated

**Limitations on Enrollment:**  
Qualified Performer.

This noncredit course is designed to give the student an opportunity to work with a variety of theatre performance practices, including rehearsal and performance, technical areas and activities related to "front of the house" duties. Emphasis is placed on work as an individual as well as in ensemble settings. This noncredit course may be repeated.

### **DRAMA 115A Makeup for the Theatre: Beginning Makeup**

**Units:** 0

**Hours:** 162 hours LAB

**Grade Options:** Pass/No Pass

This noncredit course is designed to provide theory and techniques of makeup for the theatre. Types of makeup application include contour, age and character makeup as well as facial hair application. Laboratory sessions and work on a makeup crew for college productions or a special project are required. Noncredit courses may be repeated.

### **DRAMA 115B Makeup for the Theatre: Advanced Makeup**

**Units:** 0

**Hours:** 162 hours LAB

**Grade Options:** Pass/No Pass

This noncredit course is designed to provide advanced theory and techniques of makeup for the theatre. Types of makeup application include animal and fantasy, blood and gore, airbrush techniques, 3-dimensional body painting techniques, and application of prefabricated prosthetics. Laboratory sessions and work on a makeup crew for college productions or a special project are required. Noncredit courses may be repeated.

### **DRAMA 115C Makeup for the Theatre: Special Effects**

**Units:** 0

**Hours:** 162 hours LAB

**Grade Options:** Pass/No Pass

This noncredit course is designed to provide advanced theory and techniques of makeup for the theatre. Types of makeup applications and processes include life-mask creation, clay sculpting and molding techniques, latex and gelatin prosthetics, and advanced blood and gore. Laboratory sessions and work on a makeup

crew for college productions or a special project are required. Noncredit courses may be repeated.

### **DRAMA 119A Introduction to Stagecraft**

**Units:** 0

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Pass/No Pass

This noncredit course is an introductory lecture, demonstration, and laboratory experience focusing on stage scenery production. An introduction to stage costume, lighting, and sound production are also included. Participation on construction crews for Theatre Arts productions is required. Noncredit courses may be repeated.

### **DRAMA 123A Stage Costume: Costume Construction I**

**Units:** 0

**Hours:** 162 hours LAB

**Grade Options:** Pass/No Pass

This noncredit course is a study in costume construction and the basic techniques needed to create simple garments for the stage. Emphasis is placed on hand and machine sewing as well as recognizing essential elements found in traditional patterning and finished garments. These skills will provide the student with the necessary knowledge to implement hands-on activities in support of theatrical productions. Noncredit courses may be repeated.

### **DRAMA 123B Stage Costume: Costume Construction II**

**Units:** 0

**Hours:** 162 hours LAB

**Grade Options:** Pass/No Pass

This noncredit course is a study in costume construction and advanced techniques needed to create garments for the stage. Emphasis is placed on fit and alteration, pattern drafting, and completing a finished garment. These skills will provide the student with the necessary knowledge to implement hands-on activities in support of theatrical productions. Noncredit courses may be repeated.

### **DRAMA 123C Stage Costume: Costume Crafts**

**Units:** 0

**Hours:** 162 hours LAB

**Grade Options:** Pass/No Pass

This noncredit course is a study in

costume crafts needed to accentuate and embellish costumes for the stage. Emphasis is placed on millinery techniques, shoe manipulation, machine and hand embroidery techniques, fabric manipulation, painting and dyeing, mask making, and the use of theatrical industry products to create elements such as armor. These skills will provide the student with the necessary knowledge to implement hands-on activities in support of theatrical productions. Noncredit courses may be repeated.

### **DRAMA 125A Theatre Production: Acting for Seniors**

**Units:** 0

**Hours:** 162 hours LAB

**Grade Options:** Pass/No Pass

**Limitations on Enrollment:**

Qualified Performer.

This is a noncredit course in rehearsal and performance for public presentation. Emphasis is placed on individual initiative, dependability, development, and participation. The course meets the needs of Seniors by accommodating their physical abilities and utilizing their unique related experiences and knowledge. Noncredit courses may be repeated.

### **DRAMA 125B Theatre Production: Crew for Seniors**

**Units:** 0

**Hours:** 162 hours LAB

**Grade Options:** Pass/No Pass

**Limitations on Enrollment:**

Qualified Performer.

This noncredit course is a laboratory in rehearsal, performance and production crew work, with emphasis placed on solving the problems of production by preparing plays for public performance. The course meets the needs of Seniors by accommodating their physical abilities and utilizing their unique related experiences and knowledge. Noncredit courses may be repeated.

### **DRAMA 144A Traditional Theatre Production: Acting for Seniors**

**Units:** 0

**Hours:** 162 hours LAB

**Grade Options:** Pass/No Pass

**Limitations on Enrollment:**

Qualified Performer.

This noncredit course is a laboratory in rehearsal and performance of traditional theatre

## COURSE DESCRIPTIONS

for a live audience. It includes acting, stage movement, rehearsal and public performance. The course meets the needs of Seniors by accommodating their physical abilities and utilizing their unique related experiences and knowledge. Noncredit courses may be repeated.

### **DRAMA 144B Traditional Theatre Production: Crew for Seniors** **Units:** 0

**Hours:** 162 hours LAB

**Grade Options:** Pass/No Pass

**Limitations on Enrollment:**

Qualified Performer

This noncredit course is a laboratory in rehearsal, performance, and production crew work where emphasis is placed on solving the problems of production by preparation of public performance for a traditional theatre audience. The course meets the needs of Seniors by accommodating their physical abilities and utilizing their unique related experiences and knowledge. Noncredit courses may be repeated.

### **DRAMA 147A Musical Theatre Production: Acting for Seniors** **Units:** 0

**Hours:** 162 hours LAB

**Grade Options:** Pass/No Pass

**Limitations on Enrollment:**

Qualified Performer.

This noncredit course is designed to teach the student how to perform in the genre of musical theatre. Emphasis is placed on learning how to make believable transitions in characterizations from acting, to singing, and to dancing. History and styles of musicals are included. The course is not designed to teach the basic elements of acting, singing, or dancing, but rather how to coordinate them. The course meets the needs of Seniors by accommodating their physical abilities and utilizing their unique related experiences and knowledge. Noncredit courses may be repeated.

### **DRAMA 147B Musical Theatre Production: Crew for Seniors** **Units:** 0

**Hours:** 162 hours LAB

**Grade Options:** Pass/No Pass

**Limitations on Enrollment:**

Qualified Performer.

This noncredit course is a course in rehearsal, performance, and production crew work where

emphasis is placed on solving the problems of musical theatre production by preparation of public performance. The course meets the needs of Seniors by accommodating their physical abilities and utilizing their unique related experiences and knowledge. Noncredit courses may be repeated.

### **DRAMA 152 Musical Theatre Movement and Dance for Seniors** **Units:** 0

**Hours:** 54 hours LAB

**Grade Options:** Pass/No Pass

**Limitations on Enrollment:**

Qualified Performer.

This noncredit course is a course in the application of movement and dance techniques for Musical Theatre as applied to specific Musical Theatre texts in public performance. The course meets the needs of Seniors by accommodating their physical abilities and utilizing their unique related experiences and knowledge. Noncredit courses may be repeated.

## **Early Childhood Education**

### **ECE 15 Selected Topics: Child Development** **Units:** .5-4

This course is designed to offer instruction in one or more of the specialized areas of child development not already covered by the existing curriculum. (CSU)

### **ECE 21 Child and Adolescent Development** **Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 5 & 6; CSU Areas D & E; IGETC Area 4

**Term Typically Offered:** Every term

This course examines 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 will occur. Students will observe children, evaluate individual differences, and analyze characteristics of development at various stages according to

developmental theories. (HBCU, UC, CSU, C-ID CDEV 100)

### **ECE 24 The Developing Brain and the ECE Classroom**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** ECE 21 Child and Adolescent Development with a grade of "C" or better.

This course is an introduction to a child's brain physiology and function that will examine current brain research and its relevance to educational practices and the guidance of young children. Current brain research findings in the areas of learning and memory, effects of stress and drugs, emotional and intellectual functioning, and gender differences in brain function and behavior for the developing child will be covered. Overview of the Brain Targeted Teaching Model and its use in the Early Childhood Education classroom will be included. (HBCU, CSU)

### **ECE 25 Observation and Assessment**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ECE 21 Child and Adolescent Development with a grade of "C" or better.

This course introduces 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. (CSU, C-ID ECE 200)

### **ECE 26 Child, Family, and Community**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6; CSU Area E

**Term Typically Offered:** Every term

This course is designed to examine the processes of socialization

## COURSE DESCRIPTIONS

focusing on the interrelationship of family, school, and community. It examines the influence of multiple societal contexts. The course also explores the role of collaboration between family, community, and schools in supporting children's development, birth through adolescence. (HBCU, CSU, C-ID CDEV 110)

### **ECE 27 Culture and Diversity in Early Childhood Education**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ECE 21 Child and Adolescent Development with a grade of "C" or better.

This course examines the impact of various societal influences on the development of children's personal and social identity. Covers developmentally appropriate, inclusive, culturally relevant, and anti-bias approaches. Self-examination and reflection on issues related to social identity, stereotypes, and bias will be explored. (CSU, C-ID ECE 230)

### **ECE 28 Child Health, Safety, and Nutrition**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** ECE 21 with a grade of "C" or better.

This course provides an introduction laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. It includes the teacher's role in prevention strategies, nutrition and meal planning, integrating health safety and nutrition experiences into daily routines, and overall risk management. (CSU, C-ID ECE 220)

### **ECE 29 ECE Creative Expression and the Arts**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** ECE 21 Child and Adolescent Development with a grade of "C" or better.

**Advisories:** ECE 31B with a grade

of "C" or better.

This course explores the theory, content and practice of integrating the performing arts into the curriculum design and early learning environments. Emphasis is placed understanding creativity and aesthetic development of young children. The course involves the planning, preparation, presentation, and evaluation of play-based visual art, music, movement and creative drama experiences for young children. (CSU)

### **ECE 30 Early Childhood Experiences: Language Arts**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** ECE 21 Child and Adolescent Development with a grade of "C" or better.

**Advisories:** ECE 31B with a grade of "C" or better.

This course is an introduction to the language arts curriculum in early childhood education and the planning, preparation, presentation, and evaluation of language and literacy experiences for young children. Focus is on the development of a positive attitude toward books, reading, listening skills, verbal and written expression. (CSU)

### **ECE 31A Principles and Practices of Teaching Young Children**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ECE 21 Child and Adolescent Development with a grade of "C" or better.

This course is an examination of the historical contexts and theoretical perspectives of developmentally appropriate practice in early care and education for children birth through age eight. It explores the typical roles and expectations of early childhood educators. Identifies professional ethics, career pathways, and professional standards. The course also 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. (CSU, C-ID ECE 120)

### **ECE 31B Introduction to ECE Curriculum**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ECE 31A Principles and Practices of Teaching Young Children with a grade of "C" or better.

This course presents an overview of developmentally appropriate curriculum and environments for children birth through age eight. Students will use knowledge of children's development, theories of learning and development, 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. (CSU, C-ID ECE 130)

### **ECE 32A Early Childhood Education Practicum-Field Experience**

**Units:** 4

**Hours:** 36 hours LEC; 126 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ECE 21 Child and Adolescent Development, ECE 25 Observation and Assessment, ECE 26 Child, Family, and Community, ECE 27 Culture and Diversity in Early Childhood Education, ECE 28 Child Health, Safety, and Nutrition, ECE 31A Principles and Practices of Teaching Young Children, and ECE 31B Introduction to ECE Curriculum with a grade of "C" or better.

**Limitations on Enrollment:** TB Clearance within last 12 months, Finger printing/Live Scan, proof of Immunizations (DTAP & MMR). This course is designed to prepare students to teach in various types of early childhood education programs. It includes a demonstration of developmentally appropriate early childhood teaching competencies under guided supervision. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive

## COURSE DESCRIPTIONS

understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment, and knowledge of curriculum content areas will be emphasized as student teachers design, implement, and evaluate experiences that promote positive development and learning for all young children. (CSU, C-ID ECE 210)

### **ECE 32B Advanced ECE Practicum**

**Units:** 4.5

**Hours:** 9 hours LEC; 216 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ECE 32A Early Childhood Education Practicum-Field Experience with a grade of "C" or better.

**Limitations on Enrollment:** TB Clearance within last 12 months, Finger printing/Live Scan, proof of Immunizations (DTAP & MMR). This course is designed to prepare the student to teach in various types of early childhood education programs. Observing, planning, implementing, and evaluating developmentally appropriate learning experiences are exercised as a student teacher in San Joaquin Delta College's Child Development Center or placement with a certified mentor teacher. Writing learning objectives, assessing children's behavior, and preparing a professional portfolio are required of all students. (CSU)

### **ECE 33 Infant and Toddler Development**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** ECE 21 Child and Adolescent Development with a grade of "C" or better.

This course is a study of infants and toddlers from preconception to age three including physical, cognitive, language, social, and emotional growth and development. Theoretical frameworks are applied to interpret behavior and interactions between heredity and environment. The role of family and relationships in development is emphasized. (CSU)

### **ECE 34 Children with Special Needs**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ECE 21 Child and Adolescent Development or FCS 19 Human Development or H S 19 Human Development with a grade of "C" or better.

This course introduces the variations in development of children with special needs ages birth through eight and the resulting impact on families. It includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process. (HBCU, CSU)

### **ECE 35 Adult Supervision and Mentoring in Early Care and Education**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** ECE 21 Child and Adolescent Development, ECE 31A Principles and Practices of Teaching Young Children, and ECE 31B Introduction to ECE Curriculum each with a grade of "C" or better.

**Advisories:** ECE 32A with a grade of "C" or better.

This course addresses methods and principles of supervising student teachers, volunteers, staff, and other adults in early care and education settings. Emphasis is on the roles and development of early childhood professionals as mentors and leaders. (CSU)

### **ECE 37 Administration I: Programs in Early Childhood Education**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** ECE 21 Child and Adolescent Development and ECE 31A Principles and Practices of Teaching Young Children with a grade of "C" or better.

**Advisories:** ECE 31B and ECE 32A with a grade of "C" or better. This course is an introduction to the administration of early childhood programs. Program types, budget, management, regulations, laws,

development and implementation of policies and procedures are covered. Administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program are examined. (CSU)

### **ECE 38 Administration II: Personnel and Leadership in Early Childhood Education**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** ECE 21 Child and Adolescent Development and ECE 31A Principles and Practices of Teaching Young Children with a grade of "C" or better.

**Advisories:** ECE 31B and ECE 32A with a grade of "C" or better. This course focuses on effective strategies for personnel management and leadership in early care and education settings. Legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program will be addressed. (CSU)

### **ECE 40 Constructive Math and Science in Early Childhood Education**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even fall term

**Prerequisites:** ECE 21 Child and Adolescent Development with a grade of "C" or better.

The course focus is on the theoretical underpinnings, current research and best practices for supporting young children's understanding of math and science in early childhood settings. The development of environments and activities, which foster children's natural curiosity and encourage exploration, discovery, critical thinking and problem solving relative to STEM concepts is emphasized. Students will acquire knowledge of material selection, inquiry-based activities, and guided discovery teaching methods to promote learning. (HBCU, CSU)

## COURSE DESCRIPTIONS

### **ECE 50SS Special Studies: Child Development/ECE**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in the child development/ECE field or a closely related field. The course includes research, directed reading, a special project, fieldwork, or other advanced study which must be arranged and approved by the instructor and the division dean before enrolling in the course. (CSU)

### **ECE 63 Child Discipline**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** ECE 21 with a grade of "C" or better.

This course is designed to provide teachers and parents with theory and effective techniques related to discipline. Topics include discussions of cultural differences and practical, positive approaches to discipline. (HBCU, CSU)

### **ECE 72 Play and Learning**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Advisories:** ECE 21 with a grade of "C" or better.

This course is designed to examine play as a learning process for infants, toddlers, preschoolers, and school-age children. Social, physical, and intellectual benefits of play are analyzed, and compared to state and federal learning standards. Cross-cultural aspects of play are emphasized.

### **ECE 73 Preschool Art**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

This course is an exploration of developmentally appropriate art

experiences for children from infancy through eight years, including children with special needs. This course will include the study of child development and artistic expression, appropriate art materials, presentation of materials, formulation of objectives, and direct participation in creative media.

### **ECE 75 Discovering Child Development**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

This course is an introduction to child development for those interested in the processes and stages of development from infancy through middle childhood. Focus is on the major developmental milestones and how they may be observed in children's everyday behavior. This course does not meet Community Care Licensing requirements for child growth and development. Units earned in this course do not count toward the associate degree.

### **ECE 77 Introduction to Early Childhood Education**

**Units:** 3

**Hours:** 54 hours LEC

This course introduces students to the concepts and issues related to teaching diverse learning in today's early childhood education settings. Topics include child growth and development, program planning and management, health and safety, guidance, recreational activities, developmentally appropriate practice, relationships, regulations, policies, standards, supervision and maintenance of classroom environments, professionalism, and classroom management. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in early childhood education classrooms and includes cooperation with at least one carefully selected and campus approved classroom teacher. Background clearance and health clearance are required as per site regulations. Units earned in this course do not count toward the associate degree.

### **ECE 93V Work Experience: Child Development and Education**

**Units:** 1-4

**Hours:** 60 - 300 hours LAB

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon

student request

**Limitations on Enrollment:** Health & TB Clearance, and students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student employed or wanting to gain practical experience working in the early childhood or other education setting. The course objectives are developed by the student in consultation with his or her supervisor. The student will engage in a specific research project or on-the-job learning activities under the supervision of the work site supervisor and college work experience instructor. Students must work 75 paid or 60 non-paid hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. Units earned in this course do not count toward the associate degree.

## **Economics**

### **ECON 3 Principles of Microeconomics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process.

**Advisories:** Successful completion of Intermediate Algebra, and ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This is 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. (HBCU, UC, CSU, C-ID ECON 201)

### **ECON 5 Principles of Macroeconomics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

## COURSE DESCRIPTIONS

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process.

**Advisories:** Successful completion of Intermediate Algebra, and ENGL C1000 or ENGL C1000E with a grade of "C" or better.

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. (HBCU, UC, CSU, C-ID ECON 202)

### **ECON 15 Selected Topics:**

#### **Economics**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of economics not already covered by existing curriculum. (CSU)

### **ECON 50SS Special Studies:**

#### **Economics**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** ECON 5 Principles of Macroeconomics or ECON 3 Principles of Microeconomics with a grade of "B" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed to allow the qualified students to do advanced work in the field. The course includes research, directed reading, field work, or other advanced study. (CSU)

## **Education**

### **EDUC 10 Introduction to Education**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course introduces students to the concepts and issues related to teaching diverse learners in today's contemporary schools, Transitional Kindergarten through grade 12 (TK-12). Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California's Common Core content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in public school elementary classrooms that represent California's diverse student population, and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher. Fingerprint clearance and TB clearance are required. (UC, CSU, C-ID EDUC 200)

### **EDUC 12 Reading Tutoring Techniques**

**Units:** 3

**Hours:** 54 hours LEC

**Term Typically Offered:** Every term

**Advisories:** EDUC 10 with a grade of "C" or better.

This course introduces the concepts and practice of elementary level tutoring in reading. Students will work with emergent readers in grades kindergarten through third grade, or with English Language Development (ELD) students. A minimum of 45 hours of field experience is required. TB test and fingerprint clearances are required. This course is recommended for students considering a career in teaching. (CSU)

### **EDUC 13 Math Tutoring Techniques**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** EDUC 10 with a grade

of "C" or better.

This course introduces the concepts and practice of elementary level tutoring in mathematics skills including developing conceptual understanding and the ability to scaffold instruction of addition, subtraction, multiplication and division of whole numbers, fractions, and decimals. Students will work with students Kindergarten through 8th grade. A minimum of 45 hours of field experience is required. TB test and fingerprint clearances are required. This course is recommended for students considering a career in teaching. (CSU)

### **EDUC 14 Bilingualism in the Classroom**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** EDUC 10 with a grade of "C" or better.

This course provides an overview of the language factors that impact first and second language acquisitions in the K-12 classrooms and will provide opportunities through which they will build a palette of strategies that can be utilized to enhance language development within the realms of listening, speaking, reading, writing, and thinking. (CSU)

### **EDUC 70 Paraprofessional Exam Preparation**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** EDUC 10 with a grade of "C" or better.

This course is a comprehensive exam preparation course that covers concepts that will be tested on when taking the Praxis ParaPro Assessment, the exam required to become a Paraprofessional in the CA public school system. Review of foundational topics and basics in math, reading, and speech will be covered and the opportunity to take practice exams are included.

## COURSE DESCRIPTIONS

### Electrical Technology

#### **ELEC 15 Selected Topics: Electrical Technology**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one specialized areas of Electrical Technology not already covered by the existing curriculum. (CSU)

#### **ELEC 29A Fundamentals of Electricity I**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

This course is designed to present the fundamental principles of electricity and magnetism. The student is introduced to the concepts and applications through lectures and laboratories for direct current (DC) and an introduction to alternating current (AC). The student develops skills in professionalism, electrical safety, measurement, and analysis of electrical circuits. (CSU)

#### **ELEC 29B Fundamentals of Electricity II**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** ELEC 29A

Fundamentals of Electricity I with a grade of "C" or better.

This course is designed to present the fundamental principles of AC electricity. The student is introduced to the concepts and applications through lectures and laboratory alternating current (AC). The student develops skills in measurement and analysis of electrical AC circuits. (CSU)

#### **ELEC 30 Fundamentals of Electricity**

**Units:** 5

**Hours:** 72 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to present the fundamental principles of electricity, magnetism and alternative energy. The student is introduced to the concepts and applications through lecture and laboratory for both direct current (DC) and alternating current (AC). The student develops skills in professionalism, electrical safety,

measurement, and analysis of electrical circuits. (CSU)

#### **ELEC 31 Electrical Wiring**

**Methods**

**Units:** 7

**Hours:** 90 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ELEC 29B

Fundamentals of Electricity II or ELEC 30 Fundamentals of Electricity or ELECT 11 AC and DC Network Analysis or ELECT 12 Solid State Devices with a grade of "C" or better.

This course is designed to include the theory and skills involved in planning and installing nonmetallic sheathed cables in residential and light commercial buildings. The course also includes computations, the building of electrical services, grounding, and electrical safety. (CSU)

#### **ELEC 32 Electrical Transformers and Motors**

**Units:** 5

**Hours:** 72 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** ELEC 29B

Fundamentals of Electricity II or ELEC 30 Fundamentals of Electricity or ELECT 11 AC and DC Network Analysis or ELECT 12 Solid State Devices with a grade of "C" or better.

This course is designed to introduce the theory of Direct Current and Alternating Current (DC/AC) motors and alternators. Single-phase transformers, three-phase transformers and Variable Frequency Drives (VFDs) are included. (CSU)

#### **ELEC 34 Motor Controls**

**Units:** 5

**Hours:** 72 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** ELEC 29B

Fundamentals of Electricity II or ELEC 30 Fundamentals of Electricity or ELECT 11 AC and DC Network Analysis or ELECT 12 Solid State Devices with a grade of "C" or better.

This course is designed to introduce the theory and advanced

application of motor controls used in industrial processes at industrial and commercial facilities. (HBCU, CSU)

#### **ELEC 36 Advanced Motor Controls**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** ELEC 29B

Fundamentals of Electricity II or ELEC 30 Fundamentals of Electricity, and ELEC 34 Motor Controls with a grade of "C" or better.

This course introduces the theory and application of advanced motor controls. Major emphasis is placed on industrial motor control systems and processes. (HBCU, CSU)

#### **ELEC 37 Introduction to Programmable Logic Controllers**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** ELEC 29B

Fundamentals of Electricity II or ELEC 30 Fundamentals of Electricity or ELECT 11 AC and DC Network Analysis or ELECT 12 Solid State Devices with a grade of "C" or better.

This course introduces the fundamentals of the operation and use of the Programmable Logic Controller (PLC). The PLC uses programmable memory to store instructions and executes specific functions that include on/off control, timing, counting, and sequencing arithmetic used in process and machine control systems. PLC principles, hardware, and software will be emphasized. Ladder logic is used in programming and troubleshooting the PLC. (HBCU, CSU)

#### **ELEC 41 Fire Alarm Systems**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** ELEC 29B

Fundamentals of Electricity II or ELEC 30 Fundamentals of Electricity or ELECT 11 AC and DC Network Analysis or ELECT 12 Solid State Devices with a grade of "C" or better.

## COURSE DESCRIPTIONS

This course is an introduction to fire alarm systems. Different types of alarm systems will be stressed along with the codes and standards for commercial and residential fire alarm applications. (HBCU, CSU)

### **ELEC 42 Low Voltage Systems**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Prerequisites:** ELEC 29B Fundamentals of Electricity II or ELEC 30 Fundamentals of Electricity or ELECT 11 AC and DC Network Analysis or ELECT 12 Solid State Devices with a grade of "C" or better.

This course is an introduction to security alarm systems, nurse call systems, telecommunication systems, and CCTV systems. Covered in this course will be the codes that cover this topic and the individual types of systems currently available and in use in the public sector. (HBCU, CSU)

### **ELEC 52 Advanced Solar Photovoltaic Systems Installation**

**Units:** 4

**Hours:** 54 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade  
**Prerequisites:** ELEC 80 Fundamentals of Solar Photovoltaic Systems or ELEC 31 Electrical Wiring Methods or ELEC 77 Industrial Wiring Methods with a grade of "C" or better.

This is an advanced course in Solar Photovoltaic (PV) installation practices. Topics include PV hardware, software, module installation, site assessment, system sizing, National Electrical Codes requirements, and preparation for the North American Certified Energy Practitioners (NABCEP) examinations. (CSU)

### **ELEC 70 Electrical Codes I**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Advisories:** ELEC 31 or ELEC 77 with a grade of "C" or better or recommended 3 or more years of field experience as an electrician. This course provides preparation for students taking the State of California's General Electrician Journeyman Certification

examination. Topics include review of the National Electrical Code (NEC), electrical math, electrical load calculations, and code requirements for electrical circuits, motors, transformers, raceways, outlet boxes and junction boxes.

### **ELEC 71 Electrical Certification Preparation II**

**Units:** 0.5-2

**Hours:** 9 - 36 hours LEC

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every fall term

**Limitations on Enrollment:** Journey level proficiency in the construction electrical field.

**Advisories:** ELEC 31 or ELEC 77 with a grade of "C" or better. This course is designed to provide the student seeking a state electrical license with review of the National Electrical Code and preparation for the State Electrical Certification Exam. Topics include code requirements for electrical conductor sizing and protection, conductor resistance, voltage drops, residential unit loads, commercial unit loads Delta/Delta and Delta/Wye transformers.

### **ELEC 73 Construction Safety - OSHA**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Advisories:** ELEC 31 or ELEC 77 with a grade of "C" or better. This course is designed to introduce the student to requirements on job-sites, OSHA policies, procedures, and standards, as well as construction safety and health principles. Students successfully completing and attending this course will receive an OSHA 30 Hr. Construction Safety and Health Awareness Card.

### **ELEC 75 Selected Topics: Electrical Technology**

**Units:** 0.5-4

This course is designed to offer instruction in one or more of the specialized areas of electrical technology not already covered by the existing curriculum.

### **ELEC 77 Industrial Wiring Methods**

**Units:** 5

**Hours:** 72 hours LEC; 72 hours

LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Prerequisites:** ELEC 29B Fundamentals of Electricity II or ELEC 30 Fundamentals of Electricity or ELECT 11 AC and DC Network Analysis or ELECT 12 Solid State Devices with a grade of "C" or better.

This course is designed to introduce the application of wiring methods, controls, and machines in commercial and industrial situations. The code and theory covering such applications are emphasized.

### **ELEC 80 Fundamentals of Solar Photovoltaic Systems**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
This course is an introduction to solar photovoltaic (PV) concepts, applications, and the solar energy industry. It includes basics of electricity, load estimation, energy efficiency, solar site surveying, PV system components, sizing, financial analysis, design, installation concepts, and maintenance. It also introduces industry organizations such as the North American Board of Certified Energy Practitioners (NABCEP) and industry examination requirements.

### **ELEC 82 NABCEP Entry Level Test Review**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade  
**Prerequisites:** ELEC 80 Fundamentals of Solar Photovoltaic Systems with a grade of "C" or better.

This is an advanced course in solar photovoltaic systems (PV) and prepares students for the North American Board of Certified Energy Practitioners (NABCEP) PV Entry Level Certificate of Knowledge examination. Topics include PV system sizing, design, installation, troubleshooting and maintenance.

### **ELEC 87A Electrical Specialization**

**Units:** 1-4

**Hours:** 48-216 hours  
INDEPENDENT STUDY

**Grade Options:** Letter Grade  
**Prerequisites:** ELEC 31 Electrical Wiring Methods or ELEC 36

## COURSE DESCRIPTIONS

Advanced Motor Controls with a grade of "C" or better. This course is designed to assist the advanced student in gaining a greater knowledge of a specialized area of the electrical trade. The work to be covered is developed between student and instructor at the beginning of the semester. Units earned in this course do not count toward the associate degree.

### Electrical Technology: Apprenticeship

#### **A-ELE 70A Electrical Apprenticeship I**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

An introduction to electrical apprenticeship, electrical shop practices, basic electrical layout, tools of the trade, and construction materials. Topics include working with electrical related mathematics, basic electrical formulas and an introduction to conduit fabrication.

#### **A-ELE 70B Electrical Apprenticeship II**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course covers DC theory, DC series and parallel circuits, DC combination circuits, principles of electromagnetism, and power generation. Topics include an introduction to the National Electrical Code (NEC).

#### **A-ELE 71A Electrical Apprenticeship III**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course covers AC theory, AC

generation, use of instruments, and phase and circuit calculations. Topics include an introduction to blueprints.

#### **A-ELE 71B Electrical Apprenticeship IV**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide the student with the knowledge of the fundamentals of electrical test equipment, inductance, capacitance, transformers, and commercial construction drawings.

#### **A-ELE 72A Electrical Apprenticeship V**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide the student with the knowledge of the fundamentals of electrical grounding, resonance circuits, high and low voltage wiring systems and electrical motors.

#### **A-ELE 72B Electrical Apprenticeship VI**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide the student with the knowledge of the fundamentals of three-phase transformers, direct current motors, motor starters, control systems, air conditioning and refrigeration systems.

#### **A-ELE 73A Electrical Apprenticeship VII**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall

term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide the student with advanced knowledge of electricity, motor controls, semiconductors, electronic devices, and refrigeration system installation.

#### **A-ELE 73B Electrical Apprenticeship VIII**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide the student with a working knowledge of Motor Control systems and their installation and operation.

#### **A-ELE 74A Electrical Apprenticeship IX**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide the student with the knowledge of the fundamentals of electronic devices, digital logic circuits, process control, programmable logic controllers, and variable frequency drives.

#### **A-ELE 74B Electrical Apprenticeship X**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide students with advanced knowledge of electrical code, automation systems, network systems, electrical project supervision and basic welding.

#### **A-ELE 75A Basic Electricity**

## COURSE DESCRIPTIONS

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide a background in basic electricity.

The course includes theory and applications of electricity, Ohm's Law, magnetism, power and circuits.

### **A-ELE 75B Advanced Electricity**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide a background in the theory and application of advanced electricity. Topics included are alternating current, inductance, capacitance, transformers, circuits, and vectors related to motor and generators.

### **A-ELE 75C Transformers and Polychlorinated Biphenyl**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to include the theory and advanced application of transformers, power circuit breakers, electrical controls and print reading.

### **A-ELE 75D Protective Relaying**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is an introduction to the theories and skills involved in basic power system protective relay design and operation.

### **A-ELE 75E High Voltage Switching**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall

term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed for the student to acquire the knowledge necessary to perform high voltage switching (12,000 volts and above).

Emphasis will be placed on theory and hands-on application.

### **A-ELE 75F Electrical Motors and Controls**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to present the application of wiring methods and control circuit design for power plants. The course includes interpreting electrical schematics, wiring diagrams, and troubleshooting control circuits.

### **A-ELE 76 Selected Topics: Electrical Apprenticeship**

**Units:** 0.5-4

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This topics course is designed to offer instruction in one of the specialized areas of electrical technology not already covered by existing curricula. Transferability of units will be determined by the receiving authority.

## **Electron Microscopy**

### **E M 70 Introduction to Microscopy**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course enables the student to explore the field of Electron Microscopy to understand both Biological and Material applications.

This course helps the student understand how to explore various instrumentation platforms found within the microscopy industry, which spans through various related fields. It also helps the student understand basic techniques, related instrumentation, potential occupations, and a vast array of instrumentation that covers

a wide range of systems found throughout the microscopy industry.

### **E M 71 Light Microscopy and Photography**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course covers the fundamentals of digital photography for scientific applications. Emphasis is placed on the understanding and operation of the optical microscope and digital imaging.

### **E M 72B Ultramicrotomy for Electron Microscopy**

**Units:** 4.5

**Hours:** 36 hours LEC; 144 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** E M 70 Introduction to Microscopy with a grade of "C" or better.

This is a lecture and laboratory course which covers the preparation of biological samples for the Transmission Electron Microscope by ultramicrotomy.

### **E M 73M Introduction to Materials Electron Microscopy**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** E M 70 Introduction to Microscopy with a grade of "C" or better.

This course is a lecture and laboratory course covering the areas of fractography, integrated circuits, and thin foil preparation.

### **E M 74 Scanning Electron Microscopy**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** E M 70 Introduction to Microscopy with a grade of "C" or better.

**Corequisites:** E M 70

This course is designed to provide the student with techniques necessary to understand Basic Theory, Design of System

## COURSE DESCRIPTIONS

Structure, Basic Operations and Imaging Skills to produce Quality Images. This course also covers basic understanding of Biological and Materials Sample Preparations of both organic and inorganic materials, for the scanning electron microscope. The student becomes familiar with the Back Scatter and Secondary Electron Operating Modes of the scanning electron microscope. High resolution systems and computer imaging constitute part of the course.

### **E M 75B Biological Ultrastructure** **Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every odd fall term

This course presents information about the fine structure and function of cells and tissues.

### **E M 76 General Histology**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** BIOL 31 Human Anatomy with a grade of "C" or better.

This course is the study of the microscopic structure and function of plant and animal cells and tissues with an emphasis on humans. The course will cover the normal human anatomy and function of cells and tissues of the organ systems. The characteristics and properties of abnormalities in human tissues will also be explored. Units earned in this course do not count toward the associate degree.

### **E M 77 Beginning Histotechniques**

**Units:** 5

**Hours:** 54 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** E M 76 General Histology with a grade of "C" or better.

This course is a lecture and laboratory course which introduces equipment and basic procedures used in the histology. Theories and procedures for fixation, processing, embedding, and microtomy are followed by laboratory experience. Units earned in this course do not count toward the associate degree.

### **E M 78 Advanced Histotechniques & Electron Microscopy**

**Units:** 5

**Hours:** 54 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** E M 77 Beginning Histotechniques with a grade of "C" or better.

This course is a lecture and laboratory course which focuses on advanced techniques and special procedures in histology and electron microscopy. Emphasis is on tissue preparation, staining technology, quality control, and troubleshooting for these advanced techniques. Units earned in this course do not count toward the associate degree.

### **E M 80 Introduction to TEM Operations**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

This course explores the operations and application of Transmission Electron Microscopes (TEM). Students will learn design components, standard operating procedures, vacuum systems, sample preparations, technical writing and strategies for utilizing tool sets to apply real world applications to understand image outputs to meet the needs of the industry. Units earned in this course do not count toward the associate degree.

### **E M 82B Advanced Techniques in Biological Electron Microscopy**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** E M 70 Introduction to Microscopy and E M 72B Ultramicrotomy for Electron Microscopy each with a grade of "C" or better.

This course is a lecture and laboratory course which covers advanced techniques of biological specimen preparation for transmission electron microscopy (TEM).

### **E M 83M Physical Electron Microscopy Laboratory**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** E M 70 Introduction to Microscopy and E M 73M Introduction to Materials Electron Microscopy with a grade of "C" or better.

This course is a lecture and laboratory course covering preparation, handling, and examinations of thin film electron transmission samples and other materials. The course also covers interpretation of electron micrograph images and reciprocal lattice patterns in electron diffraction in crystals.

### **E M 84B Introduction to Fluorescence and Immunohistochemistry**

**Units:** 2

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is a lecture and laboratory course which covers preparation methods for biological specimens for observation with a fluorescence microscope by means of immunohistochemistry.

### **E M 85M Analytical Scanning Electron Microscopy**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** E M 74 Scanning Electron Microscopy with a grade of "C" or better.

This course is an advanced course in scanning electron microscopy. The course places emphasis on elemental analysis with both energy and wave-length dispersive systems as done on the scanning electron microscope. Quantitative computer assisted analysis constitutes a segment of the course.

### **E M 86M Focused Ion Beam Applications**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** E M 74 Scanning Electron Microscopy with a grade of "C" or better.

## COURSE DESCRIPTIONS

This course is an advanced microscopy lecture and laboratory course specifically dealing with the alignment and operation of the focused ion beam (FIB) instrument which covers basic and advanced operations applications. This course cover single beam, dual beam, triple beam and Plasma Beam Operations with STEM applications through EZ-lift capabilities.

### **E M 87A Electron Microscopy Basic Equipment Maintenance**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** E M 74 Scanning Electron Microscopy with a grade of "C" or better.

**Corequisites:** E M 74.

This course is designed to provide information and training related to the upkeep and everyday maintenance of equipment usually found in an electron microscope laboratory. Students will understand the difference between SEM, TEM and FIB systems and how each component part works in conjunction to one another.

### **E M 87B Electron Microscopy Advanced Equipment Maintenance**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** E M 87A Electron Microscopy Basic Equipment Maintenance with a grade of "C" or better.

This course is designed to introduce various advanced troubleshooting strategies to help target a range of different tool types and provides advanced understanding of maintenance for various subsystems found in a microscopy lab environment. This course also prepares students that are interested in the maintenance of tool sets found in the family of Microscopy Systems. This course is designed for an in depth understanding of various tool sets directly related to usage and handling by a service professional. Units earned in this course do not count toward the associate degree.

### **E M 88 Current Microscopies**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** E M 70 Introduction to Microscopy and E M 71 Light Microscopy and Photography with a grade of "C" or better.

This course is designed to provide a survey of microscopy techniques from all disciplines of science.

### **E M 89 Digital Imaging for Microscopy**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is a lecture and lab course which provides information and training related to digitizing, processing, measuring, and analyzing images specifically related to microscopy applications.

This course teaches platforms for familiarization in Image J, Gatan Digital Micrograph, Adobe Photo shop and PCI Quartz.

### **E M 90 Advanced Projects in Electron Microscopy**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** E M 82B Advanced Techniques in Biological Electron Microscopy or E M 83M Physical Electron Microscopy Laboratory and E M 74 Scanning Electron Microscopy with a grade of "C" or better.

This course is a lecture and laboratory course which includes special studies involving all concepts discussed within the program and includes advanced concepts for electron microscopy.

This course involves newer models of equipment and engages students to generate a final capstone project to encompass everything learned in the program with written technical reports and final presentations. This course also includes all the necessary updates to learn about different types of technical fields and advanced equipment operations. Field trips may be required.

### **E M 95SS Special Studies: Electron Microscopy**

**Units:** 1-4

**Hours:** 48-216 hours

### **INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** E M 82B Advanced Techniques in Biological Electron Microscopy or E M 83M Physical Electron Microscopy

Laboratory with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed to allow the qualified student to do advanced work in electron microscopy, either in the biological or metallurgical field. The course includes research, directed reading, field work, or other advanced study which must be arranged and approved by the instructor and the dean before enrolling in the course.

### **E M 96 Selected Topics: Electron Microscopy**

**Units:** 0.5-4

**Prerequisites:** E M 70 Introduction to Microscopy with a grade of "C" or better.

This course is designed to offer instruction in one of the specialized areas of electron microscopy not already covered by existing curricula.

### **E M 99 Applied Microscopy Principles**

**Units:** 1-3

**Hours:** 162 hours LAB

**Grade Options:** Pass/No Pass

**Prerequisites:** E M 70 Introduction to Microscopy with a grade of "C" or better.

This course is designed to prepare the student to help other students in hands-on microscopy procedures. The student learns how to assist other students in "hands on" applications. Student takes on the role of laboratory assistant to apply knowledge learned throughout the area of study. This person applies applicable usage skills and protocols related to areas of study with lab assignments already completed. Lab safety protocols are implemented with the aid of an instructor or lab supervisor. Units earned in this course do not count toward the associate degree.

## COURSE DESCRIPTIONS

### Electronics Technology

#### **ELECT 11 AC and DC Network Analysis**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to present the fundamental principles of electricity and the passive components in electronics from atomic structure through resonance. Laboratory exercises are utilized to familiarize the student with basic electronics test equipment and simple AC and DC (Alternating Current and Direct Current) circuits. (CSU)

#### **ELECT 12 Solid State Devices**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** ELECT 11 AC and DC Network Analysis with a grade of "C" or better.

This course is designed to present the theory, operation, and application of solid-state devices. The course stresses the application of bipolar transistors, field effect transistors, opto-devices, and the thyristor family in rectifier amplifiers, detectors, and other basic systems. Laboratory exercises are utilized to reinforce the theory. (CSU)

#### **ELECT 13A Digital Logic, Circuits, and Systems**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** ELECT 11 AC and DC Network Analysis with a grade of "C" or better.

This course is designed to introduce digital devices and their applications. Topics include the analysis and synthesis of combinational and sequential circuits and the use of MSI, LSI, FPGA and CPLD devices. Students study number systems, binary arithmetic, and Boolean logic. (CSU)

#### **ELECT 14B Advanced Electronics Troubleshooting**

**Units:** 2.5

**Hours:** 18 hours LEC; 90 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** ELECT 11, ELECT 13A, or ELECT 17 with a grade of "C" or better.

This course is designed to continue the development of identified skills necessary for troubleshooting electronic devices and automation equipment (fanuc robots) through self-study, lecture, and hands-on activities. (CSU)

#### **ELECT 14C IT Essentials (A+)**

**Units:** 2.5

**Hours:** 18 hours LEC; 90 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course includes hardware and software topics relevant to computer (PC) troubleshooting. Skills needed to help meet the growing demand for entry-level ICT professionals emphasis is placed on developing essential troubleshooting and repair skills and preparation for the A+ certifications exam. (CSU)

#### **ELECT 15 Selected Topics: Electronics Technology**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of electronics technology not already covered by existing curricula. (CSU)

#### **ELECT 17 Robotics / Automation Introduction**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** ELECT 11, ELECT 29A, or ELECT 30 with a grade of "C" or better.

This course is designed to offer instruction in introductory industrial robotics and automation. Manufacturing and materials processing has moved into the age of automation. This technology combines electronics, computers, mechanics, pneumatics, and hydraulics into an interrelated system. Mechatronics is the technical name for this topic of

study and requires an acquired knowledge of each of the technologies incorporated. This course of study will bring students to a level of understanding in each of the areas, enabling them to make usable applications. (CSU)

#### **ELECT 18 Robotics / Automation / Mechatronics Systems**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** ELECT 17 Robotics / Automation Introduction and ELECT 11 AC and DC Network Analysis or ELECT 30 Fundamentals of Electricity with a grade of "C" or better.

This is an advanced course in mechatronics. In this course students will work with and gain knowledge of Flexible Manufacturing Systems. Topics discussed in this course include but are not limited to Human Machine Interface (HMI), FANUC Robot iRvision systems, and troubleshooting of mechatronics and automation systems. (CSU)

#### **ELECT 50SS Special Studies: Electronics Technology**

**Units:** 1-4

**Hours:** 48-216 hours  
INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** ELECT 11 AC and DC Network Analysis and ELECT 12 Solid State Devices and ELECT 13A Digital Logic, Circuits, and Systems each with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is open to the student qualified to do advanced work in the field. The course includes research, directed reading, field work, or other advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (HBCU, CSU)

### **ELECT 75 Selected Topics:**

#### **Electronics Technology**

**Units:** 0.5-4

This course is designed to offer instruction in one or more of the specialized areas of electronics technology not already covered by the existing curriculum. Units in this course do not count toward an associate degree.

### **ELECT 98V Work Experience: Electronics**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

#### **Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

**Advisories:** COUN 30, COUN 31, COUN 32, COUN 33 with a grade of "C" or better.

This course is designed for the student participating in an occupational work experience in Electronics. Application of discipline-related skills and knowledge of the Secretaries' Commission on Achieving Necessary Skills (SCANS) competencies is emphasized. Each student is engaged in on-the-job learning activities under the supervision of a worksite supervisor and a college work experience instructor. Additionally, students must work a minimum of 48 hours per unit earned. To register, the student must complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. Units earned in this course do not count toward the associate degree.

### **ELECT 111 AC and DC Network Analysis**

**Units:** 0

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Pass/No Pass

This noncredit course is designed to present the fundamental principles of electricity and the passive components in electronics from atomic structure through resonance. Laboratory exercises are utilized to familiarize the student with basic electronics test equipment and simple AC and DC

(Alternating Current and Direct Current) circuits. Noncredit courses may be repeated.

### **ELECT 112 Solid State Devices**

**Units:** 0

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Pass/No Pass

**Prerequisites:** ELECT 11 AC and DC Network Analysis with a grade of "C" or ELECT 111 AC and DC Network Analysis with a grade of "P".

This noncredit course is designed to present the theory, operation, and application of solid-state devices. The course stresses the application of bipolar transistors, field effect transistors, opto-devices, and the thyristor family in rectifier amplifiers, detectors, and other basic systems. Laboratory exercises are utilized to reinforce the theory. Noncredit courses may be repeated.

### **ELECT 113A Digital Logic, Circuits, and Systems**

**Units:** 0

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Pass/No Pass

**Prerequisites:** ELECT 11 AC and DC Network Analysis with a grade of "C" or ELECT 111 AC and DC Network Analysis with a grade of "P".

This noncredit course is designed to introduce digital devices and their applications. Topics include the analysis and synthesis of combinational and sequential circuits and the use of MSI, LSI, FPGA and CPLD devices. Students study number systems, binary arithmetic, and Boolean logic. Noncredit courses may be repeated.

### **ELECT 114B Advanced Electronics Troubleshooting**

**Units:** 0

**Hours:** 18 hours LEC; 90 hours LAB

**Grade Options:** Pass/No Pass

**Advisories:** ELECT 11, ELECT 13A, or ELECT 17 with a grade of "C" or ELECT 111, ELECT 113A, or ELECT 117 with a grade of "P".

This noncredit course is designed to continue the development of identified skills necessary for troubleshooting electronic equipment and automation equipment (fanuc, Kuka robots) through self-study, lecture, and

hands-on activities. Noncredit courses may be repeated.

### **ELECT 117 Robotics / Automation Introduction**

**Units:** 0

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Pass/No Pass

**Advisories:** ELECT 11, ELEC 29A, or ELEC 30 with a grade of "C" or ELECT 111 with a grade of "P".

This noncredit course is designed to offer instruction in introductory industrial robotics and automation. Manufacturing and materials processing has moved into the age of automation. This technology combines electronics, computers, mechanics, pneumatics, and hydraulics into an interrelated system. Mechatronics is the technical name for this topic of study and requires an acquired knowledge of each of the technologies incorporated. This course of study will bring students to a level of understanding in each of the areas, enabling them to make usable applications. Noncredit courses may be repeated.

### **ELECT 118 Robotics / Automation /Mechatronics Systems**

**Units:** 0

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Pass/No Pass

**Prerequisites:** ELECT 17 Robotics / Automation Introduction with a minimum grade of "C" or ELECT 117 Robotics / Automation Introduction with a grade of "P," and ELECT 11 AC and DC Network Analysis, ELEC 29B Fundamentals of Electricity II, ELEC 30 Fundamentals of Electricity with a minimum grade of "C" or ELECT 111 AC and DC Network Analysis with a grade of "P".

This is an advanced noncredit course in mechatronics. In this noncredit course, students will work with and gain knowledge of Flexible Manufacturing Systems. Topics discussed in this course include but are not limited to Human Machine Interface (HMI), FANUC Robot iRVision systems, and troubleshooting of mechatronics and automation systems. Noncredit courses may be repeated.

## COURSE DESCRIPTIONS

### Engineering

#### **ENGR 1 Introduction to Engineering and Technology**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process. This course is an introduction to the engineering profession and processes used by engineers and technologists. Computer applications are used to demonstrate the problem-solving techniques used by engineers and technologists. The course explores the branches of engineering, the functions of an engineer, and the industries in which engineers work. Engineering education pathways are explored and effective strategies are discussed for students to reach their full academic potential. Communication skills are developed pertinent to the engineering profession. This course is designed for the student considering career possibilities in engineering and/or engineering technology. (UC, CSU, C-ID ENGR 110)

#### **ENGR 2 Engineering Graphics**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** MATH 38B

Precalculus II, MATH 39

Precalculus, high school

Precalculus, or equivalent with a grade of "C" or better.

This course covers the principles of engineering drawings in visually communicating engineering designs and an introduction to computer-aided design (CAD). Topics include the development of visualization skills; orthographic projections; mechanical dimensioning and tolerancing practices; and the engineering design process. Assignments develop sketching and 2-D and 3-D CAD skills. The use of CAD software is an integral part of the course. (UC, CSU, C-ID ENGR 150)

#### **ENGR 4 Engineering Materials**

**Units:** 4

**Hours:** 54 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** CHEM 1A General Chemistry and PHYS 4A

Principles of Physics:

Mechanics with a grade of "C" or better.

This course presents the internal structures and resulting behaviors of materials used in engineering applications, including metals, ceramic, polymers, composites, and semiconductors. The emphasis is upon developing the ability both to select appropriate materials to meet engineering design criteria and to understand the effects of heat, stress, imperfections, and chemical environments upon material properties and performance. Laboratories provide opportunities to directly observe the structures and behaviors discussed in the course, to operate testing equipment, to analyze experimental data, and to prepare reports. (UC, CSU, C-ID ENGR 140B)

#### **ENGR 6 Engineering Circuit Analysis**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** PHYS 4C

Principles of Physics: Electricity and Magnetism and MATH 4 Differential

Equations with a grade of "C" or better.

**Corequisites:** MATH 4.

This course is an introduction to the analysis of electrical circuits with the use of analytical techniques based on the application of circuit laws and network theorems. Topics include: analysis of DC and AC circuits containing resistors, capacitors, inductors, dependent sources, operational amplifiers, and/or switches; natural and forced responses of first and second order RLC circuits; the use of phasors; AC power calculations; power transfer; and energy concepts. This course will also include an introduction to the construction and measurement of electrical circuits using basic electrical tests and measurement instruments including multimeters, oscilloscopes, power supplies, function generators, and basic operational amplifier circuits.

Circuit simulation software will be used to interpret measured and simulated data based on principles of circuit analysis for DC, transient, and sinusoidal steady-state (AC) conditions, and elementary circuit design. Practical considerations such as component value tolerance and non-ideal aspects of laboratory will be discussed. (UC, CSU, C-ID ENGR 260 and 260L)

#### **ENGR 8 Statics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** MATH 2 Calculus II and PHYS 4A Principles of Physics: Mechanics with a grade of "C" or better.

This course is a study of rigid bodies in static equilibrium when acted upon by forces and couples in two-dimensional and three-dimensional space. Included are equilibrium of rigid bodies, trusses, frames, and machines, as well as the calculation of centers of mass, centroids, friction, distributed forces, beams, shear and moment diagrams, and moments of inertia. (UC, CSU, C-ID ENGR 130)

#### **ENGR 10 Surveying**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** MATH 38B

Precalculus II or MATH 39

Precalculus with a grade of "C" or better or qualifying placement.

This course applies theory and principles of plane surveying: office computations and design; operation of surveying field equipment; and production of engineering plans/maps. Topics include distances, angles, and directions; differential leveling; traversing; property/boundary surveys; topographic surveys/mappings; volume/earthwork; horizontal and vertical curves; land description techniques; and GPS. Extensive fieldwork using tapes, levels, transits, theodolites, total stations, and GPS will occur. (CSU, C-ID ENGR 180)

#### **ENGR 15 Selected Topics in Engineering**

**Units:** 0.5-4

This course is designed to offer

## COURSE DESCRIPTIONS

instruction in one of the specialized areas of engineering not already covered by the existing curriculum. (CSU)

### **ENGR 29 Engineering Applications for Digital Computations**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Prerequisites:** MATH 1 Calculus I with a minimum grade of "C," successful completion of Calculus, or appropriate placement as determined by the multiple measures assessment process. This course utilizes the MATLAB environment to provide students with a working knowledge of computer-based problem-solving methods relevant to science and engineering. It introduces the fundamentals of procedural and object-oriented programming, numerical analysis, and data structures. Examples and assignments in the course are drawn from practical applications in engineering, physics, and mathematics. (CSU, C-ID ENGR 220)

### **ENGR 50SS Special Studies: Engineering**

**Units:** 1-4

**Hours:** 48-216 hours  
INDEPENDENT STUDY

**Grade Options:** Letter Grade  
**Term Typically Offered:** Upon student request

**Prerequisites:** ENGR 1 Introduction to Engineering and Technology and successful completion of Intermediate Algebra or appropriate placement as determined by the college's multiple measures assessment process.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment.

This course is offered to any student qualified to do advanced work in engineering. Projects and assignments must be arranged and be approved by the instructor and

the Dean before enrolling in the course. (CSU)

### **ENGR 75 Selected Topics: Engineering**

**Units:** 0.5-4

This course is designed to offer instruction in one or more of the specialized areas of engineering not already covered by the existing curriculum.

## **Engineering Technology**

### **E TECH 11 Fundamentals of Machine Drafting**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Prerequisites:** E TECH 12 Computer-Aided Drafting with a grade of "C" or better.  
**Advisories:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process.

This course is designed to expand the student's understanding of engineering drafting concepts. Topics include dimensioning, tolerancing, surface texture, notes, threads and fasteners, weld representation, gearing, cams, and assembly drawings. (HBCU, CSU)

### **E TECH 12 Computer-Aided Drafting**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

This course is designed to utilize Computer Aided Drafting (CAD) software on microcomputer CAD systems to produce a variety of drawings. The student learns the function and operation of typical CAD system components. This course is also designed to introduce basic skills used in engineering drafting. Topics include sketching, orthographic projection, isometric views, auxiliary views, sectioning, and dimensioning. Some of the coursework allows the student to work in the field of individualized interest. This course is designed to prepare students to meet all learning objectives outlined in the Autodesk Certified Professional - AutoCAD for Design and Drafting

Certification exam and the Autodesk Certified User - Autodesk AutoCAD certification exam. By the end of the course, the student will be equipped with the knowledge needed to take this industry exam. (CSU)

### **E TECH 15 Selected Topics in Engineering Technology**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of engineering technology not already covered by the existing curriculum. (CSU)

### **E TECH 20 Materials and Measurements**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Advisories:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process.

The course is designed to provide the technology student with a basic understanding of the structure and physical properties of materials such as metals, ceramics, polymers, composites, and electronic-related materials. Test procedures and instrumentation used in studying materials are included. The course includes a variety of measuring techniques. (HBCU, CSU)

### **E TECH 22 Three Dimensional Modeling**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Prerequisites:** E TECH 12 Computer-Aided Drafting with a grade of "C" or better.

This course is an introduction to the construction of three dimensional models. The course includes wireframe, surface, and solid modeling. (HBCU, CSU)

### **E TECH 31 Fundamentals of Civil Drafting**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every

## COURSE DESCRIPTIONS

spring term

**Prerequisites:** E TECH 12

Computer-Aided Drafting with a grade of "C" or better, and successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process.

This course is an introduction to conventional drafting practices used in typical civil engineering projects. Emphasis is placed on the drafting and understanding of subdivision mapping, structural plans, and structural details including steel, wood, masonry, and reinforced concrete structures. A complete project portfolio is developed. (HBCU, CSU)

### **E TECH 34 Advanced Machine Drafting and GDT**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** E TECH 11

Fundamentals of Machine Drafting and E TECH 22 Three Dimensional Modeling or ENGR 2 Engineering Graphics with a grade of "C" or better.

This course is designed to prepare the student to draw detail and assembly drawings of machine parts using precision-dimensioning techniques. Topics include geometric tolerancing per American Society of Mechanical Engineers (ASME) Y14.5 standard, fits, paper gauging, detailed specifications, notes, material lists, and surface finishes. This course is designed to prepare students to meet all learning objectives outlined in the ASME GDTP Technologist Certification exam. By the end of the course, the student will be equipped with the knowledge needed to take this industry exam. (HBCU, CSU)

### **E TECH 41 Civil Drafting: Site Design and Improvement**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** E TECH 12

Computer-Aided Drafting with a grade of "C" or better, and successful completion of Beginning Algebra or appropriate placement

as determined by the college's multiple measures assessment process.

This course is an introduction to the development and design of site plans, including parking, storm drainage systems, sewage piping, and site preparation. The student prepares a set of drawings with calculations and cost estimates for a site improvement plan. A complete project portfolio is developed. (HBCU, CSU)

### **E TECH 46 Mechanical and Electrical Systems**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** E TECH 12

Computer-Aided Drafting with a grade of "C" or better.

This course is an introduction to the fundamentals of mechanical and electrical building systems used in the construction industry. These fundamentals are applied in the design and drawing of engineering plans for mechanical and electrical systems required for building construction. (HBCU, CSU)

### **E TECH 47 Introduction to Industrial Control Systems**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** ELECT 11 AC and DC Network Analysis or ELEC 30 Fundamentals of Electricity with a grade of "C" or better.

This course is designed to include basic control systems for process machines and driven equipment used in industry. Topics include programmable controllers, basic electrical circuits, input devices, output devices, control diagrams, and specific programmable controller applications. (HBCU, CSU)

### **E TECH 75 Selected Topics in Engineering Technology**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of engineering technology not already covered by the existing curriculum.

### **E TECH 78 Applied Statics & Strength of Materials**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process.

This course covers the fundamental concepts of statics and strength of materials applied to the analysis and design of engineering components and systems. Examples from mechanical and civil engineering systems are included.

### **E TECH 80 Applied Surveying**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Advisories:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process.

This course is designed for the engineering technician. The course utilizes an applications-oriented approach in the basic principles used in typical surveying field and office work related to horizontal measurements, elevations, traverses, boundary surveys, route surveying, and construction projects.

### **E TECH 147 Introduction to Industrial Control Systems**

**Units:** 0

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Pass/No Pass

**Prerequisites:** ELECT 11 AC and DC Network Analysis with a grade of "C" or better or ELECT 111 AC and DC Network Analysis with a grade of "P".

This noncredit course is designed to include basic control systems for process machines and driven equipment used in industry. Topics include programmable controllers, basic electrical circuits, input devices, output devices, control diagrams, and specific programmable controller applications. Noncredit courses may be repeated.

## English

### ENGL C1000 Academic Reading and Writing

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1A; CSU Area A2; IGETC Area 1A

**Term Typically Offered:** Every term

**Prerequisites:** ESL 59 Advanced College Reading/Writing for Multilingual Students II, cumulative high school GPA 2.6 or higher, or qualifying placement.

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. Formerly ENG 1A. Since ENGL C1000 and ENGL C1000E are equivalent courses, credit may be awarded for either ENGL C1000 or ENGL C1000E but not both. (UC, CSU, C-ID ENGL 100)

### ENGL C1000E Academic Reading and Writing Embedded Support

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 1A; CSU Area A2; IGETC Area 1A

**Term Typically Offered:** Every term

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. This course includes embedded support. Formerly ENG 2A. Since ENGL C1000 and ENGL C1000E are equivalent courses, credit may be awarded for either ENGL C1000 or ENGL C1000E but not both. (UC, CSU, C-ID ENGL 100)

### ENGL C1001 Critical Thinking and Writing

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** CSU Area A3; IGETC Area 1B

**Term Typically Offered:** Every term

**Prerequisites:** ENGL C1000 Academic Reading and Writing or ENGL C1000E Academic Reading and Writing Embedded Support with a grade of "C" or

better.

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 College Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. Formerly ENG 1D. (UC, CSU, C-ID ENGL 105)

### ENGL 1B College Composition and Literature

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** CSU Area A3; IGETC Area 1B

**Term Typically Offered:** Every term

**Prerequisites:** ENGL C1000 Academic Reading and Writing or ENGL C1000E Academic Reading and Writing Embedded Support with a grade of "C" or better.

This course is designed to help the transfer student develop their critical thinking skills and read and write with college-level sophistication through writing analytical essays based on reading and discussing a culturally diverse literature. The analysis of literature through discussion and through writing is designed to develop the student's critical thinking skills as well as to increase their ways of understanding and interpreting the world. (UC, CSU, HBCU, C-ID ENGL 120)

### ENGL 15 Selected Topics: English

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of English not already covered by the existing curriculum. (CSU)

### ENGL 30 The Film as Literature

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1; IGETC Area 3A

**Term Typically Offered:** Every term

This course is a study of the cinema genre with emphasis on artistic and literary values. (HBCU, UC, CSU)

### ENGL 32N Introduction to Peer Tutoring

**Units:** 0.5-2

**Hours:** 9 - 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 and ENGL C1000E with a grade of "C" or better.

This course is designed for any student pursuing employment as a peer tutor on campus. Emphasis is placed on modeling successful study habits and developing the skills necessary to foster independent learning. Students will engage with content on culturally responsive tutoring, growth mindset, reading apprenticeship, and habits of mind. (HBCU, CSU)

### ENGL 33A Study Skills for Success in College

**Units:** 1-2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course provides students with hands on practice with study skills that will help them be successful in any college level course. Reading comprehension, writing, note taking, research, mindset, and time management skills are emphasized through consistent practice. In addition, students are introduced to campus resources that will help support their coursework. (CSU)

### ENGL 35 Chicano Literature

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

This course is designed to offer a critical survey on the literary periods of Chicano Literature from the Pre-Columbian, Hispanic, Mexican, Transition, Interaction, and Chicano. Spanish proficiency is not required. (HBCU, UC, CSU)

### ENGL 36 Selected Topics: Literature

**Units:** 0.5-4

This course is designed to encourage study in the field of literature of a subject not covered in the college catalog or in the current schedule of classes. This course is offered in the traditional classroom setting and is not a course of independent study. (CSU) Granting

## COURSE DESCRIPTIONS

of credit is determined based on course content upon petition to the enrolling UC campus usually after transfer. Units completed for this course cannot be counted toward the minimum 60 units required for admissions to UC.

### **ENGL 37 Women in Literature**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

This course is a study of women in literature in short fiction, drama, poetry, and the novel. It focuses on women writers, female characters, literature written for women, and literature written about the lives of women. (UC, CSU, HBCU)

### **ENGL 38 Mythology**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

This course is designed to provide the student with an introduction to the literature of Greek, Roman, and Norse mythology. Other universal myths may be included. This could include those from Mayan, Japanese, or California Indigenous Peoples cultures, as well as others. The course provides a background for understanding of allusions, form, and content of recurring themes in modern literature as well as revealing the continued influence of mythological motifs on customs, traditions, beliefs, and values. (UC, CSU, HBCU)

### **ENGL 42A Survey of American Literature I**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every fall term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course introduces students to America's literary traditions from their beginnings to the second half of the nineteenth century. This course is designed as a study of the forms and ideas in American literature, with an emphasis on

understanding the values, traditions, and cultures of colonials, Indigenous people, slaves, and other underrepresented groups (HBCU, UC, CSU, C-ID ENGL 130).

### **ENGL 42B Survey of American Literature II**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every spring term

**Advisories:** ENGL C1000 or ENGL 1B with a grade of "C" or better.

This course is designed as a study of the forms and ideas in American literature with an emphasis on an understanding of the values and traditions which shape contemporary thought (Mark Twain through contemporary authors). (HBCU, UC, CSU, C-ID ENGL 135)

### **ENGL 43C World Literature I**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every fall term

This course is designed as a comparative study of world literature in translation and in English, beginning with the earliest extant texts and extending through works in the seventeenth century from the Middle East, Europe, Asia and other areas. (HBCU, UC, CSU, C-ID ENGL 140)

### **ENGL 43D World Literature II**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every spring term

This course is designed as a comparative study of world literature in translation and in English, beginning with the mid or late seventeenth century and extending through works in the present from the Middle East, Europe, Asia and other areas. (HBCU, UC, CSU, C-ID ENGL 145)

### **ENGL 45 Introduction to Shakespeare**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every spring term

This course is designed for the student to read, study, and interpret selected works by William Shakespeare. (HBCU, UC, CSU)

### **ENGL 46A Survey of British Literature I**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every fall term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is designed as a survey of British literature beginning with the Anglo-Saxon period and extending through the eighteenth century. (HBCU, UC, CSU, C-ID ENGL 160)

### **ENGL 46B Survey of British Literature II**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every spring term

This course is designed as a survey of British literature beginning with the Romantic period and extending through the twentieth century. (HBCU, UC, CSU, C-ID ENGL 165)

### **ENGL 49A Introduction to Creative Writing**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is offered to the student interested in exploring creative writing in any genre, including fiction and non-fiction: short stories, novels, poetry, songs, plays, musicals, screenplays, television scripts, children's books, autobiographies and memoirs, biographies, magazine and newspaper articles, features, reviews, and columns. Emphasis is placed on the conception and

## COURSE DESCRIPTIONS

development of ideas, process of creative writing, elements and formats of specific genres of writing, benefits of practice in several genres, artistry employed by successful, established, and published authors, and constructive group criticism of work submitted for the course. Students will read actively in several genres to help them be in conversation with the work of other writers. (UC, CSU, C-ID ENGL 200)

### **ENGL 49B Creative Writing:**

#### **Fiction**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is designed for the student seriously interested in writing fiction. Emphasis is placed on the craft and artistry employed by established, published authors and on constructive group critiques of manuscripts submitted by class members. Emphasis is on characterization, plot, setting, and point of view. (CSU)

### **ENGL 49C Creative Writing:**

#### **Poetry**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3

**Term Typically Offered:** Every term

This course is designed for the student who is seriously interested in writing poetry. Emphasis is placed on the craft of poetry and the artistry employed by established poets and on constructive group criticism of poems submitted by class members. (CSU)

### **ENGL 49D Creative Writing: Play and Screen Writing**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3

**Term Typically Offered:** Every spring term

This course is offered to the student seriously interested in writing stage plays and/or screenplays. Emphasis is placed on the study of the craft of writing for the stage or screen; the artistry employed by successful, established, published authors; and constructive group criticism of manuscripts submitted for the course. Emphasis is on plot,

character, dialogue, structure, and format. (HBCU, CSU)

### **ENGL 50SS Special Studies:**

#### **English**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment.

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is designed for the student qualified to do advanced work in English. The course includes research, directed reading, field work, or other advanced study, which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

### **ENGL 52 From Story to Screen**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3;

CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

This course is offered to the student interested in exploring and identifying the changes and their effects in adapting literature for film. Emphasis is placed on the analysis of short stories, novels, and plays; the literary elements that must, by necessity, be addressed differently for the screen; the choices made in adaptations; and evaluating the results in film adaptations. (HBCU, UC, CSU)

### **ENGL 57 Children's Literature**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3;

CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every spring term

This course is a survey of literature written for children. Through an exploration of children's literature from various time periods, cultures, and genres, students will develop a criteria for evaluating the literary

merit of these works. This course is intended for prospective teachers, ECE majors, parents, and anyone who is interested in learning about the literature written for children. (HBCU, UC, CSU, C-ID ENGL 180)

### **ENGL 61 Hip Hop Poetics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3;

CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

Hip Hop is an umbrella term for art, music, dance, literature, identity, fashion and politics that has transformed the globe. We will begin to understand the origins of the aesthetic by looking at the movements and politics that inspired the birth of Hip Hop as a form of poetics. This course examines the socio-historic and cultural context of this genre in the United States among youth in marginalized communities, including the ways in which Hip Hop speaks about oppression, violence, identity, culture, and power. The course explores these aspects of social, cultural, and political expression through a delivery style that includes rhyme, rhythm, the spoken word (the MC), utilization of stylized and literary devices, and the beats (the DJ). Attention will be paid to diverse literary perspectives and critiques; artists and innovators' performance styles; and poetic structures. (HBCU, UC, CSU)

### **ENGL 62A Race and Ethnicity in Literature**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3;

CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every spring term

The course explores race and ethnicity in the United States through contemporary multicultural literature from all genres and from diverse ethnic groups such as African American, Asian/Pacific Islander American, Indigenous American, and Chicanx/Latinx American. Students will uncover how authors of contemporary multicultural literature reflect on, negotiate, and/or resist hierarchy and oppression. Additional themes of the course include assimilation, classism, ethnocentrism, racism,

## COURSE DESCRIPTIONS

ableism, colorism, and/or sexism.  
(HBCU, UC, CSU)

### **ENGL 62B Contemporary African American Literature**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3;  
CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

This survey course will explore African American Literature from the 1940's to the present. Various genres, representative works and major writers will be examined. This course will emphasize the study of African American literature as both artistic and cultural expression.  
(HBCU, UC, CSU)

### **ENGL 62C Asian American Literature**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3;  
CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

This course in Asian American Literature will include poetry, short fiction, drama, and novels by American authors with roots in Asian countries such as China, Japan, Korea, Burma (or Myanmar), Vietnam, Malaysia, Indonesia, the Philippines, the Pacific Islands, Cambodia, Laos, Thailand, India, Bangladesh, and Pakistan. Students will explore literary works from a diverse range of genres and historical periods through the lenses of race, class, gender, and identity. (HBCU, UC, CSU)

### **ENGL 62D Indigenous American Literature**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3;  
CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

This course provides an overview of Indigenous American literature through the lens of ethnic studies theories such as resistance, self-affirmation, and agency. Students will explore, describe, and analyze a diverse range of literary texts from various genres and historical periods. The Indigenous American experience as expressed through literature will be contrasted with at

least one other group such as African American, Asian American, and Latinx/Chicano, with a particular focus on how the groups express resistance, social justice, and liberation on contemporary issues. (HBCU, UC, CSU)

### **ENGL 62E Introduction to Latino/a Literature**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3;  
CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every spring term

This course introduces students to Latin America literature from Colonial Period to present: indigenous legends, chronicles, epistles, poetry, novel, drama, and short story. Critical reading of Latino/a literature and its relationship to social issues and identity politics of Latinos/as will be discussed. Literary movements will be studied, for example, the Boom, the New Latin American Cinema, and magical realism. Major authors may include but not limited to Nobel Prize winners Pablo Neruda, Gabriel Garcia Marquez, Rigoberta Menchu, and Octavio Paz. (HBCU, UC, CSU)

### **ENGL 88 Introduction to Publishing and Editing**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** ENGL 49A Introduction to Creative Writing, ENGL 49B Creative Writing: Fiction, ENGL 49C Creative Writing: Poetry, or ENGL 49D Creative Writing: Play and Screen Writing with a grade of "C" or better.

This course introduces students to the basic of publishing and editing. With hands-on practice in publishing and editing of Artifact, our campus literary arts magazine, and Delta Winds, an annual collection of student essays, students in this course will learn how to produce professionally edited and produced content. Students will learn how to apply their editing and publishing knowledge to their own creative work as well as to the creative work of other writers and artists. In addition, students will learn how to prepare their own creative writing for publishing opportunities and the basics of submitting their work.

## English as a Second Language

### **ESL 59 Advanced College Reading/Writing for Multilingual Students II**

**Units:** 5

**Hours:** 90 hours LEC

**Grade Options:** Letter Grade Only  
**Term Typically Offered:** Every term

**Advisories:** ESL 88 with a minimum grade of "C" or "P", or appropriate ESL placement. Students are strongly advised to enroll concurrently in the ESL grammar course of the same level (ESL 89).

This course focuses on the critical analysis, use of advanced reading strategies, and appreciation of culturally diverse readings. It also emphasizes fluency, proper use of academic vocabulary, an introduction to citation, and academic essay writing. An emphasis will be placed on composing coherent, logical, expository academic essays based on a thorough analysis and integration of complex and culturally diverse texts, as well as the utilization of advanced English language structure and vocabulary.  
(HBCU, UC, CSU)

### **ESL 75 Selected Topics: English as a Second Language**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of English as a Second Language not already covered by the existing curriculum. Units earned in this course do not count toward the Associate Degree.

### **ESL 80 Intermediate College Listening/Speaking for Multilingual Students I**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Advisories:** Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 82, ESL 85, ESL 88, or ESL 59) based on the guided self-placement tool and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL grammar course of the appropriate

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level (ESL 81, ESL 84, ESL 87, or ESL 89) based on the guided self-placement tool and multiple measures.

This course is designed to develop listening comprehension and oral proficiency of standard spoken English at the low-intermediate level. Listening focuses on comprehension of modified spoken English, vocabulary in context, and ideas in speeches and discussions. Speaking focuses on clear pronunciation of common words and phrases, continued development of fluency in conversation, and proficiency in initiating, sustaining, and ending oral communication in a variety of contexts. Units earned in this course do not count toward the associate degree.

### **ESL 81 Intermediate College Grammar for Multilingual Students I**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Advisories:** Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 82, ESL 85, ESL 88, or ESL 59) based on the guided self-placement tool and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL listening/speaking course of the appropriate level (ESL 80, ESL 83 or ESL 86) based on the guided self-placement tool and multiple measures.

This course develops the student's understanding and use of academic English in preparation for employment or for beginning a vocational or academic program. It focuses on grammar and sentence structure, low-intermediate level vocabulary and paragraph writing. Units earned in this course do not count toward the Associate Degree.

### **ESL 82 Intermediate College Reading/Writing for Multilingual Students I**

**Units:** 5

**Hours:** 90 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Advisories:** Students are strongly advised to enroll concurrently in the

ESL Speaking/listening course of the appropriate level (ESL 80, ESL 83, or ESL 86) based on placement exam scores and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL grammar course of the same level (ESL 81). This course develops the student's understanding and use of English in preparation for employment or for beginning a vocational or academic program. It focuses on reading strategies and comprehension, low-intermediate level vocabulary, and paragraph writing. Units earned in this course do not count toward the Associate Degree.

### **ESL 83 Intermediate College Listening/Speaking for Multilingual Students II**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Advisories:** ESL 80 with a minimum grade of "C" or "P". Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 82, ESL 85, ESL 88, or ESL 59) based on placement exam scores and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL grammar course of the appropriate level (ESL 81, ESL 84, ESL 87, or ESL 89) based on placement exam scores and multiple measures.

This course is designed to develop listening comprehension and oral proficiency of academic English for the non-native speaker, at the high-intermediate level. Listening focuses on note-taking and comprehension of spoken English in academic situations, media, and discussion. Speaking focuses on English fluency, proficiency, and strategies for discussion and personal interaction. Units earned in this course do not count toward the Associate Degree.

### **ESL 84 Intermediate College Grammar for Multilingual Students II**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Advisories:** ESL 81 with a grade of

"C" or "P". Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 82, ESL 85, ESL 88, or ESL 59) based on the guided self-placement tool and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL listening/speaking course of the appropriate level (ESL 80, ESL 83, or ESL 86) based on the guided self-placement tool and multiple measures.

This course develops the student's understanding and use of academic English in preparation for employment or for beginning a vocational or academic program. It focuses on grammar and sentence structure, high-intermediate level vocabulary and paragraph and short essay writing. Units earned in this course do not count toward the Associate Degree.

### **ESL 85 Intermediate College Reading/Writing for Multilingual Students II**

**Units:** 5

**Hours:** 90 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Advisories:** ESL 82 with a minimum grade of "C" or "P". Students are strongly advised to enroll concurrently in the ESL Speaking/listening course of the appropriate level (ESL 80, ESL 83, or ESL 86) based on placement exam scores and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL grammar course of the same level (ESL 84). This course builds on the student's understanding and use of English in preparation for employment or for beginning a vocational or academic program. It focuses on reading strategies and comprehension, high-intermediate level vocabulary, and paragraph and short-essay writing. Units earned in this course do not count toward the Associate Degree.

### **ESL 86 Advanced College Listening/Speaking for Multilingual Students I**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

## COURSE DESCRIPTIONS

**Advisories:** ESL 83 with a minimum grade of "C" or "P." Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 82, ESL 85, ESL 88, or ESL 59) based on placement exam scores and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL grammar course of the appropriate level (ESL 81, ESL 84, ESL 87, or ESL 89) based on placement exam scores and multiple measures. This course is designed to develop listening comprehension and oral proficiency of academic and professional English for the non-native speaker, at the advanced level. Listening focuses on note-taking and comprehension of spoken English in academic and professional situations, media, and discussion. Speaking focuses on fluency of English speech, proficiency in clarifying and restating, and strategies for facilitating discussion.

### **ESL 87 Advanced College Grammar for Multilingual Students I**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Advisories:** ESL 84 with a grade of "C" or "P". Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 82, ESL 85, ESL 88, or ESL 59) based on the guided self-placement tool and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL listening/speaking course of the appropriate level (ESL 80, ESL 83 or ESL 86) based on the guided self-placement tool and multiple measures.

This course enhances the student's foundation in academic English in preparation for employment or for beginning a vocational or academic program. It focuses on advanced grammar and sentence combining, vocabulary, and paragraph and essay writing.

### **ESL 88 Advanced College Reading/Writing for Multilingual Students I**

**Units:** 5

**Hours:** 90 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Advisories:** ESL 85 with a minimum grade of "C" or "P", or appropriate ESL placement. Students are strongly advised to enroll concurrently in the ESL Speaking/listening course of the appropriate level (ESL 80, ESL 83, or ESL 86) based on placement exam scores and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL grammar course of the same level (ESL 87). This course enhances the student's foundation in English in preparation for employment or for beginning a vocational or academic program. It focuses on reading strategies, fluency, advanced vocabulary, comprehension, and paragraph and essay writing.

### **ESL 89 Advanced College Grammar for Multilingual Students II**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Advisories:** ESL 87 with a minimum grade of "C" or "P". Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 82, ESL 85, ESL 88, or ESL 59) based on the guided self-placement tool and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL listening/speaking course of the appropriate level (ESL 80, ESL 83, or ESL 86) based on the guided self-placement tool and multiple measures.

This course solidifies the student's foundation in academic English. It focuses on complex grammar and language structures applicable to academic writing by focusing on academic language used to write expository essays. This course also provides students with advanced strategies for editing their own writing.

### **ESL 159 Advanced College Reading/Writing for Multilingual Students II**

**Units:** 0

**Hours:** 90 hours LEC

**Grade Options:** Pass/No Pass

**Advisories:** ESL 188 with a grade of "P", or appropriate ESL placement. Students are strongly advised to enroll concurrently in the ESL grammar course of the same level (ESL 189).

This noncredit course focuses on the critical analysis, use of advanced reading strategies, and appreciation of culturally diverse readings. It also emphasizes fluency, proper use of academic vocabulary, an introduction to citation, and academic essay writing. An emphasis will be placed on composing coherent, logical, expository academic essays based on a thorough analysis and integration of complex and culturally diverse texts, as well as the utilization of advanced English language structure and vocabulary. Noncredit courses may be repeated.

### **ESL 180 Intermediate College Listening/Speaking for Multilingual Students I**

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

**Advisories:** Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 182, ESL 185, ESL 188, or ESL 159) based on the guided self-placement tool and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL grammar course of the appropriate level (ESL 181, ESL 184, ESL 187, or ESL 189) based on the guided self-placement tool and multiple measures.

This noncredit course is designed to develop listening comprehension and oral proficiency of standard spoken English at the low-intermediate level. Listening focuses on comprehension of modified spoken English, vocabulary in context, and ideas in speeches and discussions. Speaking focuses on clear pronunciation of common words and phrases, continued development of fluency in conversation, and proficiency in initiating, sustaining, and ending oral communication in a variety of contexts. Noncredit courses may be repeated.

### **ESL 181 Intermediate College Grammar for Multilingual Students I**

## COURSE DESCRIPTIONS

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

**Advisories:** Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 182, ESL 185, ESL 188, or ESL 159) based on the guided self-placement tool and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL listening/speaking course of the appropriate level (ESL 180, ESL 183, or ESL 186) based on the guided self-placement tool and multiple measures.

This noncredit course develops the student's understanding and use of academic English in preparation for employment or for beginning a vocational or academic program. It focuses on grammar and sentence structure, low-intermediate level vocabulary and paragraph writing. Noncredit courses may be repeated.

### **ESL 182 Intermediate College Reading/Writing for Multilingual Students I**

**Units:** 0

**Hours:** 90 hours LEC

**Grade Options:** Pass/No Pass

**Advisories:** Students are strongly advised to enroll concurrently in the ESL Speaking/listening course of the appropriate level (ESL 180, ESL 183, or ESL 186) based on placement exam scores and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL grammar course of the same level (ESL 181).

This noncredit course develops the student's understanding and use of English in preparation for employment or for beginning a vocational or academic program. It focuses on reading strategies and comprehension, low-intermediate level vocabulary, and paragraph writing. Noncredit courses may be repeated.

### **ESL 183 Intermediate College Listening/Speaking for Multilingual Students II**

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

**Advisories:** ESL 180 with a grade of "P". Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 182, ESL 185, ESL 188, or ESL 159) based

on placement exam scores and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL grammar course of the appropriate level (ESL 181, ESL 184, ESL 187, or ESL 189) based on placement exam scores and multiple measures.

This noncredit course is designed to develop listening comprehension and oral proficiency of academic English for the non-native speaker, at the high-intermediate level. Listening focuses on note-taking and comprehension of spoken English in academic situations, media, and discussion. Speaking focuses on English fluency, proficiency, and strategies for discussion and personal interaction. Noncredit courses may be repeated.

### **ESL 184 Intermediate College Grammar for Multilingual Students II**

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

**Advisories:** ESL 181 with a grade of "P". Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 182, ESL 185, ESL 188, or ESL 159) based on the guided self-placement tool and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL listening/speaking course of the appropriate level (ESL 180, ESL 183, or ESL 186) based on the guided self-placement tool and multiple measures.

This noncredit course develops the student's understanding and use of academic English in preparation for employment or for beginning a vocational or academic program. It focuses on grammar and sentence structure, high-intermediate level vocabulary and paragraph and short essay writing. Noncredit courses may be repeated.

### **ESL 185 Intermediate College Reading/Writing for Multilingual Students II**

**Units:** 0

**Hours:** 90 hours LEC

**Grade Options:** Pass/No Pass

**Advisories:** ESL 182 with a grade of "P". Students are strongly advised to enroll concurrently in the ESL Speaking/listening course of the appropriate level (ESL 180, ESL 183, or ESL 186) based on

placement exam scores and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL grammar course of the same level (ESL 184).

This noncredit course builds on the student's understanding and use of English in preparation for employment or for beginning a vocational or academic program. It focuses on reading strategies and comprehension, high-intermediate level vocabulary, and paragraph and short-essay writing. Noncredit courses may be repeated.

### **ESL 186 Advanced College Listening/Speaking for Multilingual Students I**

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

**Advisories:** ESL 183 with a grade of "P". Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 182, ESL 185, ESL 188, or ESL 159) based on placement exam scores and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL grammar course of the appropriate level (ESL 181, ESL 184, ESL 187, or ESL 189) based on placement exam scores and multiple measures.

This noncredit course is designed to develop listening comprehension and oral proficiency of academic and professional English for the non-native speaker, at the advanced level. Listening focuses on note-taking and comprehension of spoken English in academic and professional situations, media, and discussion. Speaking focuses on fluency of English speech, proficiency in clarifying and restating, and strategies for facilitating discussion. Noncredit courses may be repeated.

### **ESL 187 Advanced College Grammar for Multilingual Students I**

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

**Advisories:** ESL 184 with a grade of "P". Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 182, ESL 185, ESL 188, or ESL 159) based on the guided self-placement tool and multiple measures. In addition,

## COURSE DESCRIPTIONS

students are strongly advised to enroll concurrently in the ESL listening/speaking course of the appropriate level (ESL 180, ESL 183, or ESL 186) based on the guided self-placement tool and multiple measures.

This noncredit course enhances the student's foundation in academic English in preparation for employment or for beginning a vocational or academic program. It focuses on advanced grammar and sentence combining, vocabulary, and paragraph and essay writing. Noncredit courses may be repeated.

### **ESL 188 Advanced College Reading/Writing for Multilingual Students I**

**Units:** 0

**Hours:** 90 hours LEC

**Grade Options:** Pass/No Pass

**Advisories:** ESL 185 with a grade of "P." Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 180, ESL 183, or ESL 186) based on placement exam scores and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL grammar course of the appropriate level (ESL 187).

This noncredit course enhances the student's foundation in English in preparation for employment or for beginning a vocational or academic program. It focuses on reading strategies, fluency, advanced vocabulary, comprehension, and essay writing. Noncredit courses may be repeated.

### **ESL 189 Advanced College Grammar for Multilingual Students II**

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

**Advisories:** ESL 187 with a grade of "P". Students are strongly advised to enroll concurrently in the ESL reading/writing course of the appropriate level (ESL 182, ESL 185, ESL 188, or ESL 159) based on the guided self-placement tool and multiple measures. In addition, students are strongly advised to enroll concurrently in the ESL listening/speaking course of the appropriate level (ESL 180, ESL 183, or ESL 186) based on the guided self-placement tool and multiple measures.

This noncredit course solidifies the

student's foundation in academic English. It focuses on complex grammar and language structures applicable to academic writing by focusing on academic language used to write expository essays. This course also provides students with advanced strategies for editing their own writing. Noncredit courses may be repeated.

## **Ethnic Studies**

### **ETHNS 30 Introduction to Ethnic Studies**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5;

CSU Area D; IGETC Area 4

This course introduces students to the history, context, methodology, and theory related to the development of the Ethnic Studies discipline through an interdisciplinary and comparative analysis of the racial, ethnic, cultural, economic, social, educational, and political issues that impact Native American, Black/African American, Chicana/o, Latina/o, and Asian American people in the United States. The course interrogates the intersections of identity, race, ethnicity, nationality, gender, sexuality, class, ability, and mental health as they relate to the experiences of Native American, Black/African American, Chicana/o, Latina/o, and Asian American people. The course develops students' agency, self-determination and group affirmation through engagement in local community research and oral history projects, through involvement with community groups and regional organization events and activities, and through participation in current social movements to build a just and equitable society. (HBCU, CSU, UC)

### **ETHNS 33 Introduction to Native American Studies**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 5

& 7; CSU Areas D & F; IGETC

Areas 4 & 7

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This interdisciplinary course introduces students to the racial, ethnic, cultural, economic, social, and political issues that impact Native American peoples of the United States from both historic and contemporary perspectives. The course interrogates the intersections of race, ethnicity, culture, gender, sexuality, class, and mental health as they relate to Native American experiences. Students of all ethnic backgrounds will explore the critical perspectives and voices of Native American people in American history to acquire a deeper understanding of the historic and contemporary issues imposed upon them. Students will develop an appreciation for the contributions that Native American people have made to the United States and to human civilization globally. (HBCU, UC, CSU)

### **ETHNS 34 Introduction to Chicana/Chicano Studies**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 5

& 7; CSU Areas D & F; IGETC

Areas 4 & 7

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This inter-disciplinary course explores the racial, ethnic, cultural, economic, social, and political issues that impact Chicana/Chicano people in the United States from both historic and contemporary perspectives. The course interrogates the intersections of race, ethnicity, nationality, gender, sexuality, class, ability, and mental health as they relate to Chicana/o experiences in the United States. This course exposes students of all ethnic backgrounds to the experiences of Chicana/o people in American history through the critical perspectives and voices of Chicana/o people. Students will acquire a deeper understanding of the historic and contemporary issues faced by Chicana/o people and develop an appreciation for the contributions that Chicana/o people have made to the United States and to human civilization globally. (HBCU, UC, CSU)

**ETHNS 35 Introduction to Black/African American Studies**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 5 & 7; CSU Areas D & F; IGETC Areas 4 & 7

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This interdisciplinary course explores the racial, ethnic, cultural, economic, social, and political issues that impact Black/African American people and other peoples of the African Diaspora in the United States from both historic and contemporary perspectives. The course interrogates the intersections of race, ethnicity, nationality, gender, sexuality, class, ability, and mental health as they relate to Black/African American experiences. The course exposes students of all ethnic backgrounds to the experiences, perspectives, and voices of Black/African American people in the United States from the 1600s to the present. Students will develop a critical perspective of the experiences of Black/African American people, and acquire deeper understanding and appreciation for the contributions that Black/African American people have made to the United States and to human civilization throughout the world. (HBCU, UC, CSU)

**ETHNS 36 Introduction to Asian American Studies**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 5 & 7; CSU Areas D & F; IGETC Areas 4 & 7

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This interdisciplinary course explores the racial, ethnic, cultural, economic, social, and political issues that impact Asian Americans in the United States from both historic and contemporary perspectives. The course interrogates the intersections of race, ethnicity, nationality, gender, generation, sexuality, class, ability, and mental health as they relate to Asian American experiences in the United States. The course exposes

students of all ethnic backgrounds to the experiences of Asian Americans in American history through the critical perspectives and voices of Asian Americans. Students will acquire a deeper understanding of the historic and contemporary issues faced by Asian Americans and develop an appreciation for the contributions that Asian Americans have made to the United States and to human civilization globally. (HBCU, UC, CSU)

**Family and Consumer Sciences**

**FCS 2 Life Management**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6; CSU Area E

**Term Typically Offered:** Every term

This course is an introduction to life management skills, providing an understanding of personal development. Students will learn how to function effectively in society. Major topics include effects of cultural forces and future trends on values, goal setting, decision-making; and time, money, stress, and conflict management. Techniques for improving self-understanding and interpersonal relationships will also be discussed. (HBCU, CSU)

**FCS 3 Personal and Family Finance**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6

**Term Typically Offered:** Every term

This course is designed to introduce basic money management principles that apply to personal and family finance. Integrative approach to personal finance focusing on practical financial decision making as well as the social, psychological, and physiological contexts in which those decisions are made. Students will examine their relationships with money, set personal goals, and develop a plan to meet those goals. (CSU)

**FCS 6 Nutrition**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6; CSU Area E

**Term Typically Offered:** Every term

This course presents scientific concepts of nutrition related to the function of nutrients in basic life processes and current health issues with emphasis on individual needs. Emphasis is given to the role of food choices and physical activity on health, body weight, and risk of disease. Students undertake a self-study of personal dietary intake and habits compared to the Dietary Guidelines for Americans. (HBCU, UC, CSU)

**FCS 19 Human Development**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6; CSU Area E

**Term Typically Offered:** Every term

This course is an integration of the physiological, cognitive, sociological, and psychological aspects of human development throughout the lifespan. The course is a study of the developmental tasks facing individuals at various points in the life cycle and the ways social interaction and cultural institutions shape the development of the individual. The course is designed as a foundation course for careers in educational, social service, psychological, and health fields. Since FCS 19 and H S 19 are cross listed courses, credit may be awarded for either FCS 19 or H S 19 but not both. (HBCU, UC, CSU)

**FCS 23 Marriage and the Family**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6; CSU Area E

**Term Typically Offered:** Every term

This course is an interdisciplinary approach to marriage and family interpersonal relationships, changing family roles, sexuality, cultural diversity of families, the family life cycle, parenthood, and contemporary family issues. Special emphasis is placed on making choices, communication in relationships, understanding flexibility in family structures, and resolving interpersonal problems. (HBCU, CSU)

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### **FCS /H S 19 Human Development**

**Units:** 3

**Hours:** 54 hours LEC

**General Education:** Delta Area 6; CSU Area E

This course is an integration of the physiological, cognitive, sociological, and psychological aspects of human development throughout the lifespan. The course is a study of the developmental tasks facing individuals at various points in the life cycle and the ways social interaction and cultural institutions shape the development of the individual. The course is designed as a foundation course for careers in educational, social service, psychological, and health fields. Since FCS 19 and H S 19 are cross listed courses, credit may be awarded for either FCS 19 or H S 19 but not both. (HBCU, UC, CSU)

## **Fashion**

### **FASHION 2 Introduction to the Fashion Industry**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to the fashion industry, providing an overview of how the business of business works, from raw materials to the production and retail distribution of fashion goods. The areas of fashion design, production, methods of predicting consumer demand, buying, pricing, retailing, and promoting fashion products are analyzed. (HBCU, CSU)

### **FASHION 4 Fashion Product Analysis**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is designed to increase the student's knowledge of fashion products in the market. Areas of production, content, use, value, durability, versatility, care and the price of goods will be evaluated. An in-depth analysis of apparel and accessories for women, men, and children, as well as cosmetics, is covered. (HBCU, CSU)

### **FASHION 6 Textiles**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to textiles used in fashion and interiors. Natural and man-made fibers, yarns, fabric construction, coloring and finishing are examined. Emphasis is placed on fabric performance, serviceability, and the consumer's role in the textile field. Since FASHION 6 and ID 6 are cross listed courses, credit may be awarded for either FASHION 6 or ID 6 but not both. (UC, CSU)

### **FASHION 8 History of Fashion to the Twentieth Century**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every term

This course is a survey of costume from ancient times to the twentieth century. The course uses an interdisciplinary approach to show how clothing is used as a universal means of symbolizing roles and social position, emphasizing the ways clothing communicates values and attitudes, and how costume is a reflection of trends in technology, music, literature, art, interior design and social values. (HBCU, CSU)

### **FASHION 9 History of Fashion from the Twentieth Century to Present**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2

**Term Typically Offered:** Every term

This course is a survey of fashion from the beginning of the twentieth century to the present day. The course uses an interdisciplinary approach to show how clothing is used as a universal means of symbolizing roles and social position, emphasizing the ways clothing communicates values and attitudes, and how fashion is a reflection of trends in technology, music, literature, art, interior design and social values. Specific designers who influenced fashion of the past and present will be examined. (UC, CSU)

### **FASHION 10 Clothing and Culture**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2

**Term Typically Offered:** Every spring term

This course is a study of clothing and its relationship to culture, society, and the individual. The psychological and sociological influences of dress, the physical aspects of appearance, and the influences of gender, sexuality, ethnicity, and class on the development of personal identity are explored through the study of style in traditional cultures, popular culture and everyday life. (HBCU, UC, CSU)

### **FASHION 15 Selected Topics: Fashion**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Department not already covered by the existing curriculum. (CSU)

### **FASHION 18 Consumer Behavior in Fashion and Interiors**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** FASHION 2 Introduction to the Fashion Industry or ID 2 Introduction to Interior Design each with a grade of "C" or better.

This course is designed to provide students with an overview of the important trends in consumer behavior in the fashion and interiors environments. Students will explore the factors that influence consumer purchases of fashion and home goods and patterns of purchasing behavior within the retail environment. Since FASHION 18 and ID 18 are cross listed courses, credit may be awarded for either FASHION 18 or ID 18 but not both. (CSU)

### **FASHION 19 Retailing Fashion and Interiors**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** FASHION 2 Introduction to the Fashion Industry or ID 2 Introduction to Interior Design with a grade of "C"

or better.

This course provides a multi-dimensional approach in educating students for careers in the fashion and interior retail industry by combining studies in business fundamentals with theory. All phases of retailing for fashion and interiors are covered, including business organization, buying, merchandising, marketing and consumer behavior. Since FASHION 19 and ID 19 are cross listed courses, credit may be awarded for either FASHION 19 or ID 19 but not both. (CSU)

**FASHION 21 Trend Forecasting for Fashion & Interiors**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** FASHION 2 Introduction to the Fashion Industry or ID 2 Introduction to Interior Design with a grade of "C" or better.

This course will introduce students to forecasting and its use by the creative design industries with the aim of developing an intuitive and intellectual approach to predicting future trends, on both fashion and interiors, as well as consumer behavior and retailing. The course provides students with in-depth knowledge of the relationship between forecasting, trend prediction, marketing, economics and style movements. The student will develop research skills in historical context, consumer trends and buying patterns, fads, crazes and cults, all of which play a part in the analysis of style movements. Since FASHION 21 and ID 21 are cross listed courses, credit may be awarded for either FASHION 21 or ID 21 but not both. (CSU)

**FASHION 22 Fashion Promotion and Marketing**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to acquaint the student with different activities in fashion promotion and the marketing tools related directly to creating specific promotional strategies used in fashion environments. Students learn to

develop an integrated marketing plan through a combination of advertising, direct mail, sales promotion, publicity, public relations, personal selling, special events, and visual merchandising. (HBCU, CSU)

**FASHION 24 Visual Merchandising/Store Design I**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is designed to acquaint the student with the basic techniques of effective visual merchandising and retail store design, including history, terminology, types, components, and the structure of visual merchandising products, departments and retail stores.

Course activities include designing, constructing and installing visual displays and designing fashion-related retail store environments. (HBCU, CSU)

**FASHION 28A Fashion Event Production**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** FASHION 2 Introduction to the Fashion Industry and FASHION 22 Fashion Promotion and Marketing with a grade of "C" or better.

This course is an overview of fashion event production, including market research, audience identification, visual merchandising, direct marketing, sponsorship, press releases, electronic media, publicity and advertising, and the primary purpose—merchandising the product through special events used in the fashion industry. All areas of event production planning from start to finish will be covered: planning through presentation to wrap-up and evaluation. Students will gain direct "hands-on" experience in the design, development, direction and co-ordination of all aspects required to produce a fashion production. (CSU)

**FASHION 28B Fashion Event Production Management**

**Units:** 1.5

**Hours:** 90 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** FASHION 28A

Fashion Event Production with a grade of "C" or better.

This course is designed for students who have completed FASHION 28A and want to develop further the skills and techniques of event production they were exposed to in FASHION 28A. The student will gain direct "hands-on" experience in the management of a fashion production, including design, development, direction and co-ordination of all aspects of fashion productions and events. (CSU)

**FASHION 30 Basic Industry Sewing**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course introduces the student to the basic sewing techniques used in apparel design and production. Students learn to select and use sewing equipment, fabric and patterns, interpret and use commercial patterns, and minor pattern adjustments. Students learn to use industry construction techniques on commercial sewing machines and sergers. (CSU)

**FASHION 31 Intermediate Industry Sewing**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** FASHION 30 Basic Industry Sewing with a grade of "C" or better.

This course is designed to build on the skills learned in FASHION 30 by introducing intermediate industry sewing techniques, pattern fit and alterations, as well as applying and evaluating appropriate construction methods for garments. Unique fashion fabrics, linings and shaping materials are used. This course requires an additional \$10 lab materials fee. (CSU)

## COURSE DESCRIPTIONS

### **FASHION 32 Advanced Industry Sewing**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** FASHION 31

Intermediate Industry Sewing with a grade of "C" or better.

This course provides students with advanced methods, techniques, terminology, and equipment used specifically in sample room sewing (as opposed to home sewing), simulating mass production procedures and focusing on the application and evaluation of advanced industrial clothing construction techniques, pattern alterations, and fitting. This course requires an additional \$10 lab materials fee. (CSU)

### **FASHION 33 Alterations and Fit**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

**Prerequisites:** FASHION 30 Basic Industry Sewing with a grade of "C" or better.

This course is designed to provide the student with skills necessary to fit and alter ready-to-wear or custom garments to customer specifications. The student learns techniques for fitting garments to various body types and the skills for altering commercial and custom patterns, as well as operating home and commercial sewing machines, pressing equipment, and sewing tools. (CSU)

### **FASHION 36 Flat Pattern I**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** FASHION 30 Basic Industry Sewing with a grade of "C" or better.

This course is a study of the industry techniques of flat pattern-making and basic slopers for the bodice, sleeve, and skirt to standard sizes. Use of slopers as a foundation for designing workroom sample patterns for shirts, blouses, and skirts to industry sizes are discussed and analyzed. Students create style variations by

manipulating basic pattern blocks which are transferred from sketches into usable first patterns for apparel productions. Sample garments are then created from the patterns. (CSU)

### **FASHION 37 Flat Pattern II**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** FASHION 36 Flat Pattern I with a grade of "C" or better.

This course is a continuation of FASHION 36. Advanced flat patternmaking techniques are emphasized for both woven and knit fabrics. Students draft style variations for sportswear, activewear and outerwear designs using basic pattern blocks. First patterns are developed and sample garments constructed and tested for fit on industry dress forms. (CSU)

### **FASHION 38 Fashion Design by Draping**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** FASHION 31 Intermediate Industry Sewing with a grade of "C" or better.

**Advisories:** FASHION 36 with a grade of "C" or better.

This course is a study of the development of fashion designs through draping fabric on dress forms. Students create patterns from completed drapes and construct slopers, samples and finished garments. (CSU)

### **FASHION 42 Couture Techniques I-Embellishments**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** FASHION 31 Intermediate Industry Sewing with a grade of "C" or better.

This course will provide students with instruction on the specialist hand stitching skills and decorative techniques of embellishments used in couture sewing. (CSU)

### **FASHION 50SS Special Studies: Fashion**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:** A

student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in fashion. The course includes research, directed reading, fieldwork or other advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

### **FASHION 51 Beginning Fashion Illustration**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to develop rendering skills necessary for the students pursuing a fashion design career. Emphasis is placed on developing basic techniques for drawing the fashion face and proportioned croquis, as well as rendering the figure, fashion garments and fabrics. Students will learn step-by-step techniques of rendering. It is recommended that students be able to read a ruler. (CSU)

### **FASHION 52 Advanced Fashion Illustration**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** FASHION 51

Beginning Fashion Illustration with a grade of "C" or better.

This course provides students with advanced graphic skills, including advanced techniques for croquis rendering and the figure in motion, fashion styles and fabrics, as well as flats used in marketing fashion to the retail trade. Advanced

## COURSE DESCRIPTIONS

mediums, including pencil, water color, acrylic, colored pencil, and pens are explored. (CSU)

### **FASHION 54 Collection Design and Production I**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** FASHION 31 Intermediate Industry Sewing, FASHION 36 Flat Pattern I, and FASHION 51 Beginning Fashion Illustration with a grade of "C" or better.

This course provides students with the skills to produce a grouping of original apparel garments that would be showcased in an apparel collection. Students apply the skills obtained in previous design and pattern making classes in creating a collection of original garments aimed at a specific target market. Topics include designing a small collection, creating and modifying patterns, constructing original garments, and identifying target consumer markets. Finished collections are showcased on the runway in a fashion show. (CSU)

### **FASHION 55 Collection Design and Production II**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** FASHION 54 Collection Design and Production I with a grade of "C" or better.

This course provides students with advanced skills and experience to produce a grouping of original apparel garments that would be showcased in an apparel collection. Students apply the skills obtained in the previous Collection Design and Production class to the creation of a cohesive collection of original garments aimed at a specific target market. Topics include designing collections from an inspiration, creating and modifying patterns, constructing original garments, and identifying target consumer markets. Finished collections are showcased on the runway in a fashion show. (CSU)

### **FASHION 75 Selected Topics:**

#### **Fashion**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Fashion not already covered by the existing curriculum.

### **FASHION /ID 6 Textiles**

**Units:** 3

**Hours:** 54 hours LEC

This course is an introduction to textiles used in fashion and interiors. Natural and man-made fibers, yarns, fabric construction, coloring and finishing are examined. Emphasis is placed on fabric performance, serviceability, and the consumer's role in the textile field. Since FASHION 6 and ID 6 are cross listed courses, credit may be awarded for either FASHION 6 or ID 6 but not both. (UC, CSU)

### **FASHION /ID 18 Consumer Behavior in Fashion and Interiors**

**Units:** 3

**Hours:** 54 hours LEC

**Prerequisites:** FASHION 2

Introduction to the Fashion Industry or ID 2 Introduction to Interior Design with a grade of "C" or better.

This course is designed to provide students with an overview of the important trends in consumer behavior in the fashion and interiors environments. Students will explore the factors that influence consumer purchases of fashion and home goods and patterns of purchasing behavior within the retail environment. Since FASHION 18 and ID 18 are cross listed courses, credit may be awarded for either FASHION 18 or ID 18 but not both. (CSU)

### **FASHION /ID 19 Retailing Fashion and Interiors**

**Units:** 3

**Hours:** 54 hours LEC

**Prerequisites:** FASHION 2

Introduction to the Fashion Industry or ID 2 Introduction to Interior Design with a grade of "C" or better.

This course provides a multi-dimensional approach in educating students for careers in the fashion and interior retail industry by combining studies in business fundamentals with theory. All phases of retailing for fashion and interiors are covered, including business organization, buying,

merchandising, marketing and consumer behavior. Since FASHION 19 and ID 19 are cross listed courses, credit may be awarded for either FASHION 19 or ID 19 but not both. (CSU)

### **FASHION /ID 21 Trend Forecasting for Fashion & Interiors**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Prerequisites:** FASHION 2

Introduction to the Fashion Industry or ID 2 Introduction to Interior Design with a grade of "C" or better.

This course will introduce students to forecasting and its use by the creative design industries with the aim of developing an intuitive and intellectual approach to predicting future trends, on both fashion and interiors, as well as consumer behavior and retailing. The course provides students with in-depth knowledge of the relationship between forecasting, trend prediction, marketing, economics and style movements. The student will develop research skills in historical context, consumer trends and buying patterns, fads, crazes and cults, all of which play a part in the analysis of style movements. Since FASHION 21 and ID 21 are cross listed courses, credit may be awarded for either FASHION 21 or ID 21 but not both. (CSU)

## **French**

### **FREN 1 Elementary French I**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade or Inc.

**General Education:** Delta Area 3  
**Term Typically Offered:** Every term

This course is an introduction to the French language and French cultures /geographical area studies. Emphasis is placed on communication skills (listening, speaking, reading, and writing) and cultural understanding (behaviors, institutions, perspectives and artistic manifestations). The course explores the diversity of cultures of the French-speaking world by analyzing historical perspectives, cultural behaviors, social institutions and literary and artistic manifestations. The students will interact with authentic language in a

## COURSE DESCRIPTIONS

cultural context. Completion of the course is equivalent to the satisfactory completion of two years of high school French. (UC, CSU)

### **FREN 2 Elementary French II**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade or Inc.

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 6

**Term Typically Offered:** Every spring term

**Prerequisites:** FREN 1 Elementary French I or two years high school French with a grade of "C" or better. This course develops proficiency in French listening, speaking, reading, and writing skills on the advanced elementary level. It explores the cultures of the French-speaking countries by analyzing behaviors, institutions, perspectives, and artistic manifestations. Students interact with authentic language in a cultural context. This course affords opportunities for cross-linguistic and cross-cultural comparisons. (HBCU, UC, CSU)

### **FREN 3 Intermediate French I**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade or Inc.

**General Education:** Delta Area 3; CSU Area C2; IGETC Areas 3B & 6

**Term Typically Offered:** Every even fall term

**Prerequisites:** FREN 2 Elementary French II or three years high school French with a grade of "C" or better. This course is designed to offer a continued study of the French language and French cultures/geographical area studies at the intermediate level. Emphasis is placed on communication skills (listening, speaking, reading and writing) and cultural understanding (behaviors, institutions, perspectives and artistic manifestations). Efforts to improve reading and composition skills are based on both contemporary and traditional selection of literary texts. (UC, CSU)

### **FREN 4 Intermediate French II**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade or Inc.

**General Education:** Delta Area 3; CSU Area C2; IGETC Areas 3B & 6

**Term Typically Offered:** Every odd spring term

**Prerequisites:** FREN 3

Intermediate French I or four years high school French with a grade of "C" or better.

This course is designed to offer continued study at the intermediate level of the French language and French cultures/geographical area studies. It expands language acquisition through listening, speaking, reading and writing) and cultural understanding of the French-speaking world (through behaviors, institutions, perspectives and artistic manifestations). Students continue to develop proficiency in oral and written communication. Course content focuses on expressing nuanced meaning, expressing opinions, or making recommendations, and discussing more complex issues using abstract and conceptual vocabulary. Upon completion of this course, students demonstrate increased awareness of cultural context. (UC, CSU).

### **FREN 15 Selected Topics: French**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of French not already covered by the existing curriculum. (CSU)

### **FREN 50SS Special Studies:**

**French**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Upon student request

**Prerequisites:** FREN 4

Intermediate French II with a grade of "B" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed to allow the student to do advanced work in the language. The course includes research, directed reading, field work, or other advanced study which must be arranged and approved by the instructor and dean before enrolling in the course. (CSU)

## Geography

### **GEOG 1 Physical Geography**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every term

**Advisories:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process.

This course is a spatial study of the Earth's dynamic physical systems and processes. Topics include: Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere. Emphasis is on the interrelationships among environmental and human systems and processes and their resulting patterns and distributions. Tools of geographic inquiry are also briefly covered; they may include: maps, remote sensing, Geographic Information Systems (GIS) and Global Positioning Systems (GPS). (HBCU, UC, CSU, C-ID GEOG 110)

### **GEOG 1L Physical Geography Laboratory**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** CSU Area B1 & B3; IGETC Area 5A

**Term Typically Offered:** Every term

**Prerequisites:** GEOG 1 Physical Geography with a grade of "C" or better.

**Corequisites:** GEOG 1.

This course is designed to provide supplemental exercises in topics covered in Physical Geography lecture. Lab experience will include map analysis and interpretation, weather prognostication, landform processes and evolution, tectonics, biogeography, and habitat analysis. (UC, CSU, C-ID GEOG 111)

### **GEOG 2 Human Geography**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every fall term

This course is a study of diverse human populations, their cultural

## COURSE DESCRIPTIONS

origins, diffusion and contemporary spatial expressions. Topics include: demography, languages and religions, urbanization and landscape modification, political units and nationalism, and economic systems and development. Each topic will be examined with real-world comparative case studies. (UC, CSU, C-ID GEOG 120)

### **GEOG 3 Geography of California** **Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D

**Term Typically Offered:** Every spring term

This course is a thematic approach to the state's issues, processes and topics relevant to geography including climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. It explores the physical and human landscapes that have evolved as a result of the human-environment interface. It presents the historical development of California's diverse cultures, both past and present, as well as the ongoing physical and human challenges facing the state in the era of climate change. (UC, CSU, C-ID GEOG 140)

### **GEOG 10 World Regional Geography** **Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

This course is a survey of the world's culture regions and nations as interpreted by geographers, including physical, cultural, and economic features. There is an emphasis on spatial and historical influences on population growth, transportation networks, and natural environments. Identification and importance of the significant features of regions are addressed. Contemporary social, geopolitical, and environmental issues will be explored in each region. (UC, CSU, C-ID GEOG 125)

## **Geology**

### **GEO 1A Physical Geology w/Lab**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade Only; No Incomplete

**General Education:** Delta Area 2; CSU Area B1 & B3; IGETC Area 5A

**Term Typically Offered:** Every fall term

**Advisories:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process and ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is an introduction to the principles of geology with emphasis on Earth processes. This course focuses on the internal structure and origin of the Earth and the processes that change and shape it. The laboratory component focuses on the identification of rocks and minerals, topographic and geologic map exercises demonstrating the work of water, wind, ice and gravity and effects of tectonic activity. Field trip(s) may be required. This course is designed for science majors. (HBCU, UC, CSU, C-ID GEO 101)

### **GEO 1B Historical Geology w/Lab**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade Only; No Incomplete

**General Education:** Delta Area 2; CSU Area B1 & B3; IGETC Area 5A

**Term Typically Offered:** Every spring term

**Advisories:** GEO 1A with a grade of "C" or better.

This course is an introduction to Earth's history and the life it supports. Subjects include geologic dating, plate tectonics, stratigraphy, fossils, biological evolution, the planet's origin and the processes that have influenced paleogeography during the past 4.6 billion years. The laboratory component includes geologic dating, plate tectonics, stratigraphy, fossils, biological evolution, the planet's origin and the processes that have influenced paleogeography during the past 4.6 billion years. This course is designed for Geology majors. It is strongly recommended that

students complete GEO 1A or GEO 5A prior to taking this course. (HBCU, UC, CSU, C-ID GEO 111)

### **GEO 2 Introduction to Environmental Science** **Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every term

**Advisories:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process and ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is an introduction to environmental issues from a scientific perspective, focusing on physical, chemical, and biological processes within the Earth's system, the interaction between humans and these processes, and the role of science in finding sustainable solutions. Topics include ecological principles, biodiversity, climate change, sustainability, renewable and nonrenewable energy, water resources, air and water pollution, and solid waste management. This course is required for the Associate of Science for Transfer degree in Environmental Science. (UC, HBCU, CSU)

### **GEO 5 Earth Science** **Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade Only; No Incomplete

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every even fall term

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the college's multiple measures assessment process.

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is an introduction to the essentials of Earth Science including the geosphere, atmosphere, hydrosphere, and solar system. This course focuses on the interactions between physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle,

## COURSE DESCRIPTIONS

weather and climate. (HBCU, UC, CSU, C-ID GEOL 120)

### **GEOL 5A Earth Science with Laboratory**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade Only; No Incomplete

**General Education:** Delta Area 2; CSU Area B1 & B3; IGETC Area 5A

**Term Typically Offered:** Every term

**Advisories:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process and ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is an introduction to the essentials of Earth Science with a laboratory. Topics include the geosphere, atmosphere, hydrosphere, and solar system. This course focuses on the interactions between physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle, weather and climate. (HBCU, UC, CSU, C-ID GEOL 121)

### **GEOL 15 Environmental Geology**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade Only; No Incomplete

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every even spring term

**Advisories:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process and ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is an introduction to the fundamentals of Environmental Geology, including the interactions between and impacts of humans with the environment in a geologic context. The course emphasizes the Earth system and connections between the geosphere, biosphere, atmosphere, and hydrosphere. (HBCU, UC, CSU, CID GEOL 130)

### **GEOL 16 Oceanography**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade Only; No Incomplete

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every term

**Advisories:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process and ENGL C1000 or ENGL C1000E with a minimum grade of "C" or better.

This course is an introduction to the marine environment. Students explore the physical, geological, chemical and biological characteristics of the world ocean. Topics include plate tectonics, waves and tides, ocean circulation, coastal features and beach processes, origin and structure of ocean basins, sediments, ocean chemistry, productivity, life in the ocean, oceans, and climate change. (HBCU, UC, CSU)

## **German**

### **GERM 1 Elementary German I**

**Units:** 5

**Hours:** 90 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 6

**Term Typically Offered:** Every term

This course is an introduction to the German language and the cultures of the German-speaking countries. Emphasis is placed on communication skills (listening, speaking, reading, and writing) and cultural understanding (behaviors, institutions, perspectives, and artistic manifestations). It affords opportunities for cross-linguistic and cross-cultural comparisons. Students will interact with authentic language in a cultural context. Completion of the course is equivalent to the satisfactory completion of two years high school German. (HBCU, UC, CSU)

### **GERM 2 Elementary German II**

**Units:** 5

**Hours:** 90 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 6

**Term Typically Offered:** Every spring term

**Prerequisites:** GERM 1

Elementary German I or two years high school German with a grade of "C" or better.

This course develops proficiency in German listening, speaking, reading, and writing skills on the advanced elementary level. It

explores the cultures of the German-speaking countries by analyzing behaviors, institutions, perspectives, and artistic manifestations. Students interact with authentic language in a cultural context. This course affords opportunities for cross-linguistic and cross-cultural comparisons. (HBCU, UC, CSU)

## **Graphic Arts**

### **GRART 1A Digital Imaging I**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This introductory course covers the core concepts associated with digital imaging. Adobe Photoshop is used for creating, manipulating, and enhancing digital images for print and screen-based media. Students learn how to effectively use this software in a graphic design environment, planning and carrying out professional digital imaging projects. This course introduces both basic visual design concepts and a comprehensive understanding of digital workflow, providing the student with a foundation for print, web, and interactive design projects. (HBCU, CSU)

### **GRART 1B Digital Imaging II**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** GRART 1A Digital Imaging I with a grade of "C" or better.

This course centers on graphic design process and production employing advanced image editing techniques using the current version of Adobe Photoshop software. In addition to learning advanced capabilities, students will learn how to alter existing images realistically, creatively apply techniques to original artwork and images, visually communicate ideas and messages successfully, and prepare and present their projects to meet professional industry standards. (HBCU, UC, CSU)

### **GRART 2A Graphic Design and Layout I**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course prepares students pursuing a career in the graphic communication fields with exploration of the principles of graphic design and layout. Strong emphasis is given to the development of visual acumen. Specific focus will be on design and gestalt principles; integration of text and image on the two-dimensional page; page grid layout, and introduction to typographic exploration. (HBCU, UC, CSU)

### **GRART 2B Graphic Design and Layout II**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** GRART 2A Graphic Design and Layout I with a grade of "C" or better.

This course is an in-depth graphic design course focusing on explorations in principles of graphic design and layout. Students will create "real world" projects. Topics include branding, experimental image creation, multi-page publication design, layout design and portfolio design. (UC, CSU)

### **GRART 3A Digital Illustration for Graphic Design I**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This introductory course covers core concepts associated with digital illustration using Adobe Illustrator. Students will explore the techniques and tools used by artists, designers, and illustrators to produce artwork for print, publishing, multi-media graphics, web page design or illustration. This course offers students several processes for designing graphics and illustrations for graphic design. (HBCU, UC, CSU)

### **GRART 3B Digital Illustration for Graphic Design II**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** GRART 3A Digital Illustration for Graphic Design I with a grade of "C" or better.

This course covers advanced concepts associated with digital illustration using Adobe Illustrator. It takes an in-depth look at applying digital illustration tools to graphic design investigations. Topics include color, typography, composition, visual theme, drawing technique, and understanding the offset and digital printing processes. Students complete the course with several professionally designed, original illustrations for their portfolios. (HBCU, UC, CSU)

### **GRART 4A Web Design I**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** CSW 23 with a grade of "C" or better.

This course introduces design, technical, and conceptual aspects of creating web designs. It concentrates on designing standards-based websites and applying standardized best practices to web design. The course introduces the basics of layout for visual communication by tightly integrating the design concepts with technical execution in a web environment. This course provides an overview of HTML and CSS, usability (UI/UX), project and client management, preparing images for screens, and responsive design. Industry-standard authoring tools are applied. (HBCU, CSU, UC)

### **GRART 4B Web Design II**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** GRART 4A Web Design I with a grade of "C" or better.

This course covers advanced design concepts and processes for the web with an emphasis on visual

design. Various industry standard software applications are employed to create original graphics, control layout and type, process images, and publish professional web pages and/or sites. Topics include an in-depth discussion on the processes and the strategies of combining text, images, animation, video and audio elements to create compelling visual experiences for web users. (HBCU, CSU)

### **GRART 5 Selected Topics: Graphics Arts**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of graphic arts not already covered by the existing curriculum. (CSU)

### **GRART 6A Digital Design for Publication I**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course introduces the basic principles of publication design related to print, page layout, composition, and electronic publishing using Adobe InDesign. Principles of typography and the development of the printed page are applied to individual portfolio-quality projects. Areas of focus include book, magazine, and newspaper design as well as publications such as newsletters, fliers, brochures and posters. (HBCU, CSU)

### **GRART 6B Digital Design for Publication II**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** GRART 6A Digital Design for Publication I with a grade of "C" or better.

This is an in-depth course covering advanced creative layout, production, and electronic publishing in the graphic design industry. Utilizing industry-standard software Adobe InDesign, students will conceive and produce dynamic portfolio-quality projects. Topics include brand and identity design, advertising design, typography, grid, color theory, composition, multipage publication design,

## COURSE DESCRIPTIONS

brochure and packaging layout, Gestalt principles, basic interactive media design, and book design. (CSU)

### **GRART 8 Typography I**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to typography for visual communications in the graphic design industries. The course emphasizes the use of typography in the design process, including aspects of analytical and creative design through typical media, for example: a brochure, poster, or magazine ad. Typographic graphic design projects for traditional and emerging technologies will be covered. Students explore the evolution and classification of letterforms from ancient to contemporary, and feature the investigation of structure, format, legibility, and expression. Exercises include both hand and digital skills, with an emphasis on the application of typography. (HBCU, UC, CSU)

### **GRART 9 Animation**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Advisories:** ART 33A

This course introduces students to the techniques and traditional principles of digital animation production. Students will be introduced to the basic principles of animation and gain fluency in the software applications widely used throughout the industry. The curriculum includes: a historical perspective, industry overview and the principles and theory of animation. Students work on hands-on projects creating digital animations. Topics include animating a bouncing ball, ball with a tail, ball with legs, full body bipedal, and a face synchronized to audio. Character animation topics involve locomotion, such as walking and jumping, using the traditional principles. (CSU)

### **GRART 50SS Special Studies: Graphic Arts**

**Units:** 1-4

**Hours:** 48-216 hours INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** GRART 1A Digital Imaging I, GRART 2A Graphic Design and Layout I, GRART 4A Web Design I, or GRART 6A Digital Design for Publication I with a grade of "B" or better.

**Limitations on Enrollment:** A student must have completed a total of at least 12 units of transfer course work with an overall grade point average of at least 3.0. In addition, an independent study contract must be completed by the student, faculty member, and Division Dean.

**Advisories:** GRART 3A with a grade of "B" or better.

This course is designed to allow a qualified student to do advanced work in the field of graphic arts. The course includes research, directed reading, field work, and/or other advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

### **GRART 69V Internship: Graphic Media and Design**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student participating in an occupational internship in graphic art. Application of discipline-related skills and knowledge are emphasized. Each student is engaged in specific on-the-job learning activities under the supervision of a work site supervisor and a college internship instructor. Students must work a minimum of hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. (CSU)

### **GRART 98V Work Experience: Graphic Arts**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

**Advisories:** GRART 1B, GRART 2B, GRART 3B, GRART 4B, or GRART 6B with a grade of "C" or better.

This course is designed for the student participating in an occupational work experience or internship in graphic arts. Application of discipline-related skills and knowledge are emphasized. Each student is engaged in specific on-the-job learning activities under the supervision of a work site supervisor and a college internship instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. Units earned in this course do not count toward the associate degree.

### **GRART 101A Digital Imaging I**

**Units:** 0

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

This noncredit introductory course covers the core concepts associated with digital imaging. Adobe Photoshop is used for creating, manipulating, and enhancing digital images for print and screen-based media. Students learn how to effectively use this software in a graphic design environment, planning and carrying out professional digital imaging projects. This course introduces both basic visual design concepts and a comprehensive understanding of digital workflow, providing the student with a foundation for print, web, and interactive design projects. Noncredit courses may be repeated.

### **GRART 101B Digital Imaging II**

**Units:** 0

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every

## COURSE DESCRIPTIONS

term

This noncredit course centers on graphic design process and production employing advanced image editing techniques using the current version of Adobe Photoshop software. In addition to learning advanced capabilities, students will learn how to alter existing images realistically, creatively apply techniques to original artwork and images, visually communicate ideas and messages successfully, and prepare and present their projects to meet professional industry standards. Noncredit courses may be repeated.

### Health Education

#### H ED 1 Health Education

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6; CSU Area E

**Term Typically Offered:** Every term

This course is designed to enhance the student's knowledge of a variety of health-related concepts and increase motivation and desire to take personal responsibility to achieve high level wellness. (HBCU, UC, CSU)

#### H ED 15 Selected Topics: Health Education

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of Health Education not already covered by existing curricula. (CSU)

#### H ED 30 Community First Aid and Safety

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6; CSU Area E

**Term Typically Offered:** Every term

This course provides guidelines that enable the citizen responder to give appropriate care, regardless of the type of emergency. It is designed for anyone desiring a general knowledge of first aid, breathing, and cardiac emergencies (coaches, parents, foster parents, teachers, fitness majors, etc.). The following American Red Cross certification examinations are included and valid for two years: Adult First Aid/CPR/AED. (CSU)

#### H ED 31 Emergency Responder

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course provides guidelines that equip healthcare and public safety professionals with the training and certifications needed to stay on the job and improve patient outcomes. It is designed to help professional rescuers, health care providers, and others respond to breathing and cardiac emergencies. The following American Red Cross certification examinations are included: CPR/AED for Professional Rescuers and Healthcare Providers, which is valid for two years. (CSU, C-ID KIN 101)

#### H ED 32 Basic Life Support for Healthcare Providers

**Units:** 0.5

**Hours:** 27 hours LAB

**Grade Options:** Pass/No Pass

This course is for healthcare professionals who need to know how to perform CPR, as well as other lifesaving skills, in a wide variety of in-hospital and out-of-hospital settings. The following American Heart Association certification examination is required for an additional fee: BLS for Healthcare Providers, which is valid for two years. This course requires an additional \$15 lab materials fee. (CSU)

#### H ED 50SS Special Studies: Health Education

**Units:** 1-4

**Hours:** 48-216 hours

INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** H ED 1 Health Education with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is open to the student qualified to do advanced work in the field. The course includes research, directed reading, field work, or other advanced study which must be approved by the instructor and the

dean before enrolling in the course. (HBCU, CSU)

#### H ED 75 Selected Topics: Health Education

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Health Education not already covered by the existing curriculum.

### Health Science

#### H S 11 Selected Topics: Health Science

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of Health Science not covered by existing curricula. (CSU)

#### H S 19 Human Development

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6; CSU Area E

**Term Typically Offered:** Every term

This course is an integration of the physiological, cognitive, sociological, and psychological aspects of human development throughout the lifespan. The course is a study of the developmental tasks facing individuals at various points in the life cycle and the ways social interaction and cultural institutions shape the development of the individual. The course is designed as a foundation course for careers in educational, social service, psychological, and health fields. Since H S 19 and FCS 19 are cross listed courses, credit may be awarded for either H S 19 or FCS 19 but not both. (HBCU, UC, CSU)

#### H S 36 Medical Terminology and Speech

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to develop a basic medical vocabulary and spelling. Emphasis is placed on roots, prefixes, and suffixes that form medical terms. Basic anatomy and physiology is presented as each body system is introduced. (CSU)

## COURSE DESCRIPTIONS

### **H S 39 Survey of Health Careers**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

This is a survey course designed to provide information about a variety of health careers. This course will assist the student with career planning and development. This course also introduces students to concepts which must be understood before engaging in the helping process. This course assists the student to identify strengths or weaknesses affecting admission into the health professions. Job functions, education, training, and employment opportunities are also included in this course. (CSU)

### **H S 43 Nursing Synthesis**

**Units:** 3

**Hours:** 45 hours LEC; 27 hours

LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Student must possess a license in the State of California as a Licensed Vocational Nurse or Psychiatric Technician, or be eligible to take one of these state board examinations.

This course is designed to prepare the licensed vocational nurse, psychiatric technician, and graduate of vocational nursing and psychiatric technician programs for entry into an associate degree nursing (ADN) program. The course includes topics not included in vocational nursing (VN) and psychiatric technician (PT) programs: nursing process, role change, research skills, teaching-learning principles and development of the teaching role. The course also includes reviews of medical-surgical nursing, maternal child nursing, pharmacology, and medication calculation to prepare the student for success in an ADN program. (CSU)

### **H S 70 Nurse Assistant Training**

**Units:** 7.5

**Hours:** 90 hours LEC; 126-135 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Limitations on Enrollment:** Valid CPR card for health workers, possess a livescan background clearance, and admission to the San Joaquin Delta College Certified

Nurse Assistant training program based on a random selection.

**Advisories:** H S 36 Medical Terminology and Speech with a grade of "C" or better.

This course is designed to prepare the student to qualify for certification as a nurse assistant and provides over 216 hours of lecture, skills lab, and clinical practice, which prepares students for work in skilled nursing facilities or residences. The program duration is 9 weeks, 4 days per week. The course content follows the statewide approved curriculum designed to meet both federal and state regulations. Clinical hours are held in a skilled nursing facility. The program prepares students to take the competency examination for the Nurse Assistant certificate issued by the California State Department of Health Services. Nurse Assistants, as important members of the health care team, assist the nurse with the care of the patient in skilled nursing facilities or hospitals. They perform such duties as changing bed linen, dressing, grooming, bathing, assisting in and out of bed, taking vital signs and feeding patients. This course focuses on the more common physical and psychological conditions found in the elderly and the nursing approach to caring of the elderly. Employment opportunities are available in skilled nursing and personal care facilities, hospitals, and residential care agencies. Many individuals find jobs through temporary staffing agencies and home health care services. The job outlook is very good for this field. Individuals interested in career advancement may pursue further study to become licensed vocational nurses, and then registered nurses. Units earned in this course do not count toward the associate degree.

Licensure Note:

The California State Department of Health Services has specific legal requirements governing the certification of Nurse Assistants. Criminal background screening must be completed and the student cleared of criminal convictions before he/she can be competency tested or certified by the State of California. All students starting the program must be fingerprinted.

### **H S 71 Home Health Aide**

**Units:** 2

**Hours:** 27 hours LEC; 27 hours

LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every summer term

**Limitations on Enrollment:**

Completion of an accredited CNA course or pending issuance of a CNA license.

This course is designed to prepare the student to be a certified home health aide. The content follows the approved curriculum specific to federal and California state training regulations. The focus of this course is on the entry-level skills needed for employment as a home health aide. Units earned in this course do not count toward the associate degree.

### **H S 72 Introduction to Pharmacology for Health Science**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** BIOL 31 Human Anatomy, BIOL 32 Human Physiology, or BIOL 33 Anatomy & Physiology with a grade of "C" or better.

This course is an introduction to pharmacological concepts for health care workers. The concepts of pharmacokinetics, pharmacodynamics, ethical and legal aspects of medication administration, major drug classifications that are used in the treatment of diseases, and drug dosage calculation using dimensional analysis are presented using a body systems approach. Units earned in this course do not count toward the associate degree.

### **H S 80 Selected Topics: Health Science**

**Units:** 0.5-4

This course is designed to offer instruction in one or more of the specialized areas of health sciences of already covered by the existing curriculum. Units in this course do not count toward an associate degree.

### **H S 84 Basic Electrocardiograph Reading**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

This is an elementary course designed to introduce the basic

## COURSE DESCRIPTIONS

concepts related to electrocardiography, including, but not limited to: the pertinent anatomy and physiology of the cardiovascular system, including the electrical conduction system; the systematic interpretation of ECG tracings; the recognition of normal and abnormal cardiac rhythms; pharmacological treatment of cardiac rhythm disorders; and proper placement of ECG electrodes for continuous cardiac monitoring and for 12-lead ECG diagnostics. Units earned in this course do not count toward the associate degree.

### **H S 85 Survey of Rad Tech Careers**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Pass/No Pass

**Prerequisites:** BIOL 31 Human Anatomy, BIOL 32 Human Physiology, ENGL C1000 Academic Reading and Writing or ENGL C1000E Academic Reading and Writing Embedded Support, H S 36 Medical Terminology and Speech with a grade of "C" or better and successful completion of Intermediate Algebra or appropriate placement as determined by the college's multiple measures assessment process.

This is a survey course designed to provide information about a variety of careers in radiologic technology (RadTech). This course will assist the student with career planning and development in the field of RadTech. This course also introduces students to the necessary knowledge, attitudes, and skills before completing a RadTech Program. This course assists the student to identify strengths or weaknesses affecting admission into the RadTech profession. Job functions, education, training, and employment opportunities are also included in this course.

### **H S 87 Emergency Medical Technician**

**Units:** 8

**Hours:** 108 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** H ED 31 or H S 36 with a grade of "C" or better. The Emergency Medical Technician (EMT) course provides students with an understanding of the

Emergency Medical System (EMS), identifying medical emergencies, patient assessment process, and emergency medical care presently considered within the scope of practice for an EMT. This course will help prepare students to take the EMT National Registry exam. Upon completion of the National Registry exam, students may be able to find employment in the ambulance field, fire service, or the private sector. Units earned in this course do not count toward the associate degree.

### **H S 88 Emergency Medical Technician Refresher**

**Units:** 2

**Hours:** 27 hours LEC; 27 hours LAB

**Grade Options:** Letter Grade

This course is designed to meet the California State and San Joaquin County requirements for maintaining Emergency Medical Technician (EMT) certification. This course provides both skills competency verification and a twenty-four hour EMT refresher. Emergency medical care for the sick and injured will be reviewed, including basic life support and the use of emergency medical equipment. Field trips may be required.

### **H S 89A Paramedic 1**

**Units:** 6

**Hours:** 108 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** H S 36 Medical Terminology and Speech, BIOL 31 Human Anatomy, and BIOL 32 Human Physiology, or BIOL 33 Anatomy & Physiology with a grade of "C" or better.

**Limitations on Enrollment:**

Current California Emergency Medical Technician Basic License or National Registry EMT Basic License and Health & Safety.

**Advisories:** H S 87 with a grade of "C" or better.

This course provides general paramedic didactic education and training following the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. The course includes cognitive content associated with preparatory, anatomy and physiology, pharmacology, airway management, patient assessment, and trauma patient management.

Units earned in this course do not count toward the associate degree.

### **H S 89B Paramedic 1L**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Corequisites:** H S 89A Paramedic 1.

**Limitations on Enrollment:**

Current California Emergency Medical Technician Basic License or National Registry EMT Basic License Health & Safety.

This course provides the skills portion of the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. The course includes psychomotor skills associated with: preparatory, anatomy and physiology, pharmacology, airway management, patient assessment, and trauma patient management. Units earned in this course do not count toward the associate degree.

### **H S 89C Paramedic 2**

**Units:** 6

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** H S 89B Paramedic 1L with a grade of "C" or better.

**Limitations on Enrollment:**

Current California Emergency Medical Technician Basic License or National Registry EMT Basic License Health & Safety.

This course is designed to prepare students to take and pass the National Registry Emergency Medical Technician - Paramedic (NREMT-P) examination so they can become Licensed Paramedics in the state of California. It also prepares students to transfer and earn a BA in Paramedics. Students that complete the Certificate of Achievement in Emergency Medical Services EMT-Paramedic degree are able to gain employment as paramedic firefighters, paramedics on ambulances that serve the community as Advanced Life Support 9-1-1 providers, and in certain limited situations work in the hospital setting. Units earned in this course do not count toward the associate degree.

### **H S 89D Paramedic 2L**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Corequisites:** H S 89C.

**Limitations on Enrollment:**

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Current California Emergency Medical Technician Basic License or National Registry EMT Basic License Health & Safety. This course provides the skills portion of the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. The course includes psychomotor skills associated with: medical patient management, cardiac patient management, special populations, EMS operations, and simulated patient encounters. Units earned in this course do not count toward the associate degree.

### **H S 89E Paramedic 3**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** H S 89D Paramedic 2L with a grade of "C" or better.

**Limitations on Enrollment:**

Current California Emergency Medical Technician Basic License or National Registry EMT Basic License Health & Safety. This course enhances a student's knowledge of emergency care in a clinical setting. Students are provided access to adequate numbers of patients, proportionally distributed by illness, injury, gender, age, and common problems encountered in the delivery of emergency care appropriate to the level of the Emergency Medical Services Profession(s). Hospital/clinical experiences include the operating room, recovery room, intensive care unit, coronary care unit, labor and delivery room, pediatrics, and emergency department, and include exposure to an adequate number of pediatric, obstetric, psychiatric, and geriatric patients. Units earned in this course do not count toward the associate degree.

### **H S 89F Paramedic 4**

**Units:** 9

**Hours:** 486 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** H S 89E Paramedic 3 with a grade of "C" or better.

**Limitations on Enrollment:**

Current California Emergency Medical Technician Basic License or National Registry EMT Basic License Health & Safety. This course provides practicum experience for paramedic students to observe and participate in emergency medical care

supervised by a preceptor in an emergency response vehicle. The course requires a minimum of 480 hours, and students must document at least 40 advanced life support (ALS) patient contacts. Students will provide the full continuum of care from initial contact to transfer of care at the receiving facility for half of all ALS contacts. Students must obtain minimum competency as a Team Leader. The field internship provides the student with an opportunity to serve as team leader in a variety of pre-hospital advanced life support emergency medical situations. Units earned in this course do not count toward the associate degree.

### **H S 93V Work Experience: Health Science**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass  
**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student participating in an occupational work experience in health science. Application of discipline-related skills and knowledge are emphasized. Each student is engaged in specific on-the-job learning activities under the supervision of a work site supervisor and a college work experience instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Health and Fitness TrAC Office, Locke 203. Units earned in this course do not count toward the associate degree.

### **H S 95 Healthcare Study Skills**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Admission to the Associate Degree Nursing Program or Admission to the Psychiatric Technician Program. An introductory course designed to

enhance study skills for nursing or psychiatric technician students who have been admitted to either program. Topics will include an overview and orientation to both programs, discussions on professionalism, time management, and student expectations which are delineated in the Student Handbooks. An orientation to technological platforms utilized in the health care curriculum, program-specific assignments, critical thinking, and effective learning as well as test-taking strategies geared to optimize student performance will be explored.

### **H S 96 Phlebotomy Technician**

**Units:** 5

**Hours:** 54 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** H S 36 Medical Terminology and Speech with a grade of "C" or better.

This course allows students to learn the appropriate technique for venipuncture, arterial blood draw, and specimen collection in settings such as hospitals and out-patient clinics for a variety of diverse patient populations. This course covers proper collection of blood specimens, choice of proper equipment, venipuncture techniques, patient care, safety, infection control, circulatory system, medical terminology, patient and specimen identification, skin puncture, anatomical site selection, patient preparation, risks, complications, post-puncture care, anticoagulation care and quality assurance. Provides practical application of skills related to phlebotomy and advanced phlebotomy lecture course with a lab setting. Intended for beginning phlebotomy students working towards state certification. This course provides students with the theoretical basic and advanced knowledge and skills competencies necessary to meet California regulatory requirements for phlebotomy technicians and prepares students to take the CPT-1 examination from the National Healthcareer Association (NHA). Students who complete their training satisfactorily are prepared to hold a position as an entry-level phlebotomist in a physician's office, hospital, outpatient clinic, medical clinic, and other health centers. The course includes a clinical phlebotomy externship in the

## COURSE DESCRIPTIONS

community consisting of at least 40 hours with 50 successful venipunctures, 10 skin punctures and observation of 2 arterial punctures. Units earned in this course do not count toward the associate degree.

### **H S 136 Medical Terminology and Speech**

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

This noncredit course is designed to develop a basic medical vocabulary and spelling. Emphasis is placed on roots, prefixes, and suffixes that form medical terms. Basic anatomy and physiology is presented as each body system is introduced. Noncredit courses may be repeated.

### **H S 139 Survey of Health Careers**

**Units:** 0

**Hours:** 36 hours LEC

**Grade Options:** Pass/No Pass

This is a noncredit survey course designed to provide information about a variety of health careers. This course will assist the student with career planning and development. This course also introduces students to concepts which must be understood before engaging in the helping process. This course assists the student to identify strengths or weaknesses affecting admission into the health professions. Job functions, education, training, and employment opportunities are also included in this course. Noncredit courses may be repeated.

### **H S 170 Nurse Assistant Training**

**Units:** 0

**Hours:** 90 hours LEC; 126 hours LAB

**Grade Options:** Pass/No Pass

**Limitations on Enrollment:** Valid CPR card for health workers, possess a livescan background clearance, and admission to the San Joaquin Delta College Certified Nurse Assistant training program based on a random selection.

**Advisories:** H S 36 with a grade of "C" or better.

This noncredit course is designed to prepare the student to qualify for certification as a nurse assistant and provides over 216 hours of lecture, skills lab, and clinical practice, which prepares students for work in skilled nursing facilities or residences. The program duration is 9 weeks, 4 days per

week. The course content follows the statewide approved curriculum designed to meet both federal and state regulations. Clinical hours are held in a skilled nursing facility. The program prepares students to take the competency examination for the Nurse Assistant certificate issued by the California State Department of Health Services. Nurse Assistants, as important members of the health care team, assist the nurse with the care of the patient in skilled nursing facilities or hospitals. They perform such duties as changing bed linen, dressing, grooming, bathing, assisting in and out of bed, taking vital signs and feeding patients. This course focuses on the more common physical and psychological conditions found in the elderly and the nursing approach to caring of the elderly. Employment opportunities are available in skilled nursing and personal care facilities, hospitals, and residential care agencies. Many individuals find jobs through temporary staffing agencies and home health care services. The job outlook is very good for this field. Individuals interested in career advancement may pursue further study to become licensed vocational nurses, and then registered nurses. Noncredit courses may be repeated. Licensure Note: The California State Department of Health Services has specific legal requirements governing the certification of Nurse Assistants. Criminal background screening must be completed and the student cleared of criminal convictions before he/she can be competency tested or certified by the State of California. All students starting the program must be fingerprinted.

### **H S 171 Home Health Aide**

**Units:** 0

**Hours:** 27 hours LEC; 27 hours LAB

**Grade Options:** Pass/No Pass

**Limitations on Enrollment:**

Enrollment is limited to students who currently have an active certified nurse assistant certificate or have completed an approved nurse assistant training program and are pending a certified nurse assistant certificate.

This noncredit course is designed to prepare the student to be a certified home health aide. The content follows the approved curriculum specific to federal and California state training regulations.

The focus of this course is on the entry-level skills needed for employment as a home health aide. Noncredit courses may be repeated.

### **H S /FCS 19 Human Development**

**Units:** 3

**Hours:** 54 hours LEC

**General Education:** Delta Area 6; CSU Area E

This course is an integration of the physiological, cognitive, sociological, and psychological aspects of human development throughout the lifespan. The course is a study of the developmental tasks facing individuals at various points in the life cycle and the ways social interaction and cultural institutions shape the development of the individual. The course is designed as a foundation course for careers in educational, social service, psychological, and health fields. Since H S 19 and FCS 19 are cross listed courses, credit may be awarded for either H S 19 or FCS 19 but not both. (UC, CSU)

## **Heating, AC, Refrigeration**

### **HVACR 70A Refrigeration and Air Conditioning**

**Units:** 2.5

**Hours:** 36 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to introduce the student to the proper skills required to maintain and service refrigeration and air conditioning systems. The student learns how to charge, evacuate, and recover refrigerants utilizing common equipment found in the industry.

### **HVACR 70B Intermediate Refrigeration**

**Units:** 2.5

**Hours:** 36 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** HVACR 70A

Refrigeration and Air Conditioning with a grade of "C" or better.

This course is designed to develop skills necessary to service and repair systems found in the refrigeration and air conditioning industry.

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### **HVACR 70C Advanced Refrigeration**

**Units:** 2.5

**Hours:** 36 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** HVACR 70B

Intermediate Refrigeration with a grade of "C" or better.

This course is designed to develop skills necessary to service and repair commercial and industrial refrigeration systems. The student works on industrial systems as well as other advanced projects. Units earned in this course do not count toward the associate degree.

### **HVACR 71A Air Conditioning Components and Circuits**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to provide the student with the fundamentals of heating and air conditioning. Emphasis is placed on the electrical and mechanical theories of operation related to common heating and air conditioning equipment. The course includes basic electricity, basic circuits, common electrical components, and applications to heating and air conditioning.

### **HVACR 71B Air Conditioning Troubleshooting**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** HVACR 71A Air Conditioning Components and Circuits with a grade of "C" or better.

This course is designed to enable the student to develop skills necessary to properly install split and packaged air conditioning systems. This course includes operation, maintenance, and repair procedures for various heating and air conditioning systems.

### **HVACR 71C Air Conditioning Systems and Heat Pumps**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** HVACR 71B Air Conditioning Troubleshooting with a grade of "C" or better.

This course is designed to provide the fundamentals of electrical and mechanical operation of heat pumps and chilled water systems. The course includes sequence of operation, temperature, pressure, and electrical analysis.

### **HVACR 71D Commercial Air Conditioning Design and Operation**

**Units:** 6

**Hours:** 72 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** HVACR 71C Air Conditioning Systems and Heat Pumps with a grade of "C" or better.

This course is designed to develop skills necessary for calculating residential and commercial cooling loads and duct design. The course includes chiller operation and maintenance.

### **HVACR 72A Introduction to Residential Gas Heating**

**Units:** 2.5

**Hours:** 36 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to introduce the selection, application, and maintenance of gas furnaces generally found in the residential Heating, Ventilation, and Air Conditioning (HVAC) industry. The course includes the different types of gas furnaces found in residential, commercial, and industrial applications. Various test instrumentation is used to evaluate operation of gas furnaces.

### **HVACR 72B Commercial Gas Heating Devices**

**Units:** 2.5

**Hours:** 36 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** HVACR 72A Introduction to Residential Gas Heating with a grade of "C" or better.

This course is designed to introduce the student to basic

commercial gas heating systems and air flow.

### **HVACR 72C Gas Heating Controls**

**Units:** 2.5

**Hours:** 36 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** HVACR 72B

Commercial Gas Heating Devices with a grade of "C" or better.

This course is designed to introduce the student to the basic controls used for commercial gas heating. The student will work with commercial and residential gas heating equipment and trainers. Units earned in this course do not count toward the associate degree.

## History

### **HIST 2A World History to 1600**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5;

CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a survey of world societies from prehistoric times to 1600. Special emphasis is placed on the dynamic interaction and comparison of peoples and cultures. Focus is placed on tracing concurrent political, social, cultural, economic, and religious developments. The course examines the key elements of various cultures and their legacy for the global community today. (HBCU, UC, CSU, C-ID HIST 150)

### **HIST 2B World History Since 1600**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5;

CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a survey of world societies since 1600 with special emphasis on the dynamic

## COURSE DESCRIPTIONS

interaction and comparison of peoples and cultures. Focus is placed on tracing concurrent political, social, cultural, economic, and religious developments. The course examines the key elements of various cultures and their legacy for the global community today. (HBCU, UC, CSU, C-ID HIST 160)

### **HIST 4A History of Western Civilization**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every fall term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a survey of Western Civilization from its origins in the Ancient Middle East to the Renaissance and Reformation, emphasizing the social, economic, political, intellectual, and cultural forces that have shaped the West. Emphasis is on the contributions of the Ancient Middle East, Greece, Rome, and the Middle Ages. (HBCU, UC, CSU, C-ID HIST 170)

### **HIST 4B History of Western Civilization**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every spring term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a survey of Western Civilization from the Renaissance and Reformation to the present, emphasizing the social, political, economic, intellectual, and cultural forces that have shaped the modern West. Emphasis is on the impact of science, technology, industrialization, the modern state, and modern ideologies on the development and influence of the West. (HBCU, UC, CSU, C-ID HIST 180)

### **HIST 6A History of Asian Civilizations**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every fall

term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is an introductory survey of East Asian civilization from ancient times to the present. Emphasis is placed on history, religion, art, and literature of China, Japan, Korea, India, and Southeast Asia. Perspectives on the impact of imperialism and Asia's modern transformation are provided. (HBCU, UC, CSU)

### **HIST 6C History of the Middle East**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every spring term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a survey of Middle Eastern history from its origins to the present. Topics emphasized include the political, cultural, social, and economic developments: the pre-Islamic period, the rise of Islam, its expansion, imperialism, nationalism, independence, the Arabic world in conflict, religious revival, and the problems of modernizations. (HBCU, UC, CSU)

### **HIST 7 History Through Film**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a study, overview, introduction, and survey of American feature films as historical documents relevant to United States history since the end of the Civil War. The course emphasizes a historical analysis of how films, as cultural and historical documents, add to our understanding of the time period during which they were made. Students in this course examine how films from the past have commented upon race, gender, war, class, politics, and other important topics. (HBCU, UC, CSU)

### **HIST 15 Selected Topics: History**

**Units:** 0.5-4

This topics course is designed to

offer instruction in one of the specialization areas of History not already covered by existing curriculum. (CSU)

### **HIST 17A History of the United States**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 4 & 5; CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a survey of United States history from its pre-colonial beginnings through the Civil War and Reconstruction. The course covers significant persons, events, and issues from our nation's past. Covered topics include all geographical regions ultimately encompassed by the United States, initial cultural contact, European settlements, racial, class, religious, and gender conflicts, immigration, the development of a national identity and American institutions, as well as sectionalism and trans-continental expansion. This course fulfills the Delta College American Institutions (Area 4) requirement for the associate degree general education pattern. It can be applied toward the Social, Political, and Economic Institutions requirement (Area D) in the CSU general education pattern as well as the American Institutions graduation requirement. (HBCU, UC, CSU, C-ID HIST 130)

### **HIST 17B History of the United States**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 4 & 5; CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a survey of United States History from Reconstruction to the present. Emphasis is on the political, economic, intellectual, and social forces which have molded modern America. The course covers significant persons, events, and issues from our nation's past. Covered topics include all geographical regions ultimately encompassed by the United States,

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racial, class, religious, and gender conflicts, immigration, politics, economics, culture, the development of a national identity and American institutions, as well as the United States rise as a major world power. A study of California state and local government is included in this course. This course fulfills the Delta College American Institutions (Area 4) requirement for the associate degree general education pattern. It can be applied toward the Social, Political, and Economic Institutions requirement (Area D) in the CSU general education pattern as well as the American Institutions graduation requirement. (HBCU, UC, CSU, C-ID HIST 140)

### **HIST 27 Women in History**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 4 & 5; CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a review of the history of women in America covering the period from 1600 to the present. The emphasis of the course is a multicultural and multi-class approach, comparing the histories of African American, Native American, Latin American, and Asian American women to the experiences of European American women. The formation of gender roles and racial identity is discussed along with an analysis of women's political and economic status across the period. The course will analyze women's struggle for equal rights, the impact of women's participation in significant events in American history, and regional and cultural differences in the way women are treated in society. Emphasis will be on California local and state governments, their operations and how women have politically participated in California. (HBCU, UC, CSU, C-ID SJS 120)

### **HIST 30A African-American History to 1877**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 4 & 5; CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is an examination of African American history from its origins in early West Africa through the United States Reconstruction phase. Some topics of special interest include the following: the Trans-Atlantic Slave Trade, the contributions of Blacks to the American Revolution; the development of the United States Constitution; the experiences of Blacks in the antebellum age; and finally the Civil War and Reconstruction time periods. This course fulfills the Delta College CSU Approval for Area 2: US Constitution and American Institutions (Area 4) requirement for the associate degree general education pattern. It can be applied toward the Social, Political, and Economic Institutions requirement (Area D) in the CSU general education pattern as well as the American Institutions graduation requirement. (Title 5, Section 40404). (HBCU, UC, CSU)

### **HIST 30B African-American History Since 1877**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 4 & 5; CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is an examination of African American history from Reconstruction to the present. Some topics of key interest include the following: the "Jim Crow" period; the careers of Booker T. Washington and W.E.B. Du Bois; the post-World War II Civil Rights Movement; the Black Power Era and the African American experience in contemporary America. This course fulfills the Delta College American Institutions (Area 4) requirement for the associate degree general education pattern. It can be applied toward the Social, Political, and Economic Institutions requirement (Area D) in the CSU general education pattern as well as the American Institutions graduation requirement. This course also fulfills the California State requirements in U.S. History and Institutions and California State and Local Government for the UC

and CSU institutions (Title 5, Section 40404). (HBCU, UC, CSU)

### **HIST 31 Mexican-American History**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 4 & 5; CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This is designed as a lecture survey course on the historical development of the Mexican American people from their pre-Colombian roots through the Spanish-European conquest (1520-50) and colonial era (1550-1820), on through the birth of Mexico (1810-20) as an example of colonial independence movements. The transition from "Mexican" Southwest to the "American" Southwest (1848-1900) includes the role played by Mexican Americans as one of many ethnic and European minority/immigrants groups in the making of modern America from 1850-1900, through the roaring 20's, the Depression, W.W.II, into the 1960's to the present. General Education: (SJDC GE: Area 4), (CSU-GE Area D) (IGETC Area 3B) American Institutions: (Satisfies CSU-AI when taken in combination with POLSC 001). (HBCU, UC, CSU, C-ID HIST 140)

### **HIST 34 Asian Pacific American History**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 4 & 5; CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every term

This course is a survey lecture course that examines the social, political, economic, and cultural history of Asian immigrants and Asian Americans in the United States from the 1850s to the present. The emphasis is on the Chinese, Japanese, Korean, Asian Indian, Filipino, Vietnamese, Cambodian, Lao, Hmong, and Native Hawaiian experiences. Major themes include the immigration and settlement patterns of diverse Asian groups, occupational patterns, family and community formation, race relations, and California state

## COURSE DESCRIPTIONS

and local government policies.  
(HBCU, UC, CSU)

### **HIST 37 California History**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5;

CSU Area D; IGETC Area 3B

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a survey of California history from the period of European exploration and discovery to the present within an international and national comparative context. Emphasis is on native cultures, Spanish and Mexican periods, American infiltration and conquest, the Gold Rush, statehood and the formation of government, economic growth, and cultural and social development. A study of California state and local government is included in this course. (HBCU, UC, CSU)

### **HIST 50SS Special Studies: History**

**Units:** 1-4

**Hours:** 48-216 hours

INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** HIST 17A History of the United States and HIST 2A World History to 1600 with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment.

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is designed for the student qualified to do advanced work in History. The course includes research, directed reading, fieldwork or other advanced study which must be arranged and approved by the instructor and the division dean before enrolling in the course. (HBCU, CSU)

### **HIST 69V Internship: History**

**Units:** 1-4

**Hours:** 48-216 hours WORK

### **EXPERIENCE**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is a supervised internship at an archive, library, museum, or research institution. The student assists in the operation and engages in specific research projects related to his/her position. Each student is engaged in a specific research project or on-the-job learning activities under the supervision of a work-site supervisor and a college internship instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. (CSU)

### **HIST 75 Selected Topics: History**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of History not already covered by the existing curriculum.

## **Horticulture**

### **HORT 1 Environmental Horticulture**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course provides an introduction to the relationship between plant growth and the environment, emphasizing the application of science, art, and technology in the production of plants. Topics cover basic principles of botany and include plant anatomy, physiology, growth, and development; botanical nomenclature and plant classification; plant genetics, reproduction, and propagation; climate, soil, and water; as well as health threats to food, fiber, ornamental, and native plants. This course is useful for any student interested in plants and is required

for first-year horticulture majors.  
(HBCU, UC, CSU)

### **HORT 2 Plant Materials and Usage - Fall**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every fall term

This course addresses identification, growth habits, culture and ornamental use of landscape and indoor plants adapted to climates of California. Plants emphasized will come from the current California Association of Nurseries & Garden Centers (CANGC) and Professional Landscape Network (PLANET) Certification Tests Plant Lists. This course covers those plants best observed and studied in the fall of the year. Plant materials from local regions will also be included. Laboratory required. (UC, CSU, C-ID AG-EH 112L)

### **HORT 3 Plant Materials and Usage - Spring**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every spring term

This course addresses identification, growth habits, culture and ornamental use of landscape and indoor plants adapted to climates of California. Plants emphasized will come from the current California Association of Nurseries & Garden Centers (CANGC) and Professional Landscape Network (PLANET) Certification Tests Plant Lists. The course covers those plants best observed and studied in the spring of the year. Plant materials from local regions will also be included. Laboratory required. (UC, CSU, C-ID AG-EH 108 L)

### **HORT 4 History of Garden Design**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every term

This course is an introduction to the relationship of landscape art and

## COURSE DESCRIPTIONS

design to the human experience. Examples of gardens throughout history are used to demonstrate artistic creation and aesthetic design from a cross-cultural perspective. (HBCU, UC, CSU)

### **HORT 5 Integrated Pest Management in Environmental Horticulture**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is an introduction to the ecological management of common plant, insect, and disease pests associated with plants of economic importance in California. Concepts include pest and plant life cycles, techniques and strategies for sampling and monitoring, and the basic principles of modern plant protection including cultural, biological, physical, and chemical management methods. There is a focus on preparation for the California state licensing exams. (HBCU, CSU)

### **HORT 10 Greenhouse Production**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every fall term

This course is a survey of the greenhouse industry and will cover the cultivation of potted plants grown for foliage or flowers, cut flowers, and bedding plants. Emphasis will be placed on the function and structures of controlled growing environments. The relationship between light, temperature, moisture, aeration, and humidity and plant growth will be described and evaluated. (CSU)

### **HORT 12 Plant Propagation/Production**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Term Typically Offered:** Every spring term

This course focuses on plant propagation and production practices with emphasis on nursery operations including sexual and asexual reproduction, planting, transplanting, fertilizing, plant pest and disease control; structures and

site layout; preparation and use of propagating and planting mediums; use and maintenance of common tools and equipment; regulations pertaining to plant production. Laboratory required. (CSU, C-ID AG-EH 116L)

### **HORT 14 Market Gardening**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is an introduction to small-scale production and local distribution of fruits, vegetables, herbs, and cut flowers in and around cities. Emphasis will be placed on environmentally sustainable and intensive crop production on urban farms and edible landscapes, including home gardens, school gardens, community gardens, senior centers, and micro-farms. Topics include crop selection; water, soil, and nutrient management; soil-less growing and controlled environment agriculture; seed saving; pest and disease management; safe harvesting and handling; and product marketing. Students will be growing seasonal crops at the campus market farm. (CSU)

### **HORT 15 Selected Topics: Horticulture**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of ornamental horticulture not already covered by existing curricula. (CSU)

### **HORT 20 Landscape and Turf Management**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Inc.

**Term Typically Offered:** Every spring term

This course involves enhancing public and private landscapes through sustainable management practices. Concepts cover the planting and maintenance of trees, shrubs, ground covers, specialty plantings, and turf areas. Cultural and business practices include scheduling of maintenance activities, creating bids, pruning, mowing, irrigation system repair, soil care and fertilizing, pest and disease management, and

equipment operation, maintenance, and safety. Lab is required and includes industry speakers. (CSU)

### **HORT 21 Landscape Construction**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every spring term

This course is designed to provide hands-on experience in designing, planning, and installing landscape construction projects. Necessary tools, materials, and techniques are covered. Concepts include material estimation and bid preparation, plant and turf installation, paving and masonry, carpentry, hand and power tool use and safety, and soil preparation. Field trips may be required. (CSU)

### **HORT 22 Turfgrass Management**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every fall term

This course is designed to introduce the maintenance and management of turf areas, including golf courses, athletic fields, public parks, cemeteries, and residential lawns. Concepts include installation, irrigation, equipment, and identification. Lab required. (CSU)

### **HORT 23 Landscape Irrigation and Drainage**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every fall term

This course is designed to introduce all phases of residential and commercial landscape irrigation including designing, estimating, installing, maintaining, and trouble-shooting. The course includes the components of sprinkler systems, drip irrigation systems, components of drainage, and installation of landscape drainage systems. (CSU)

## COURSE DESCRIPTIONS

### **HORT 24 Principles of Landscape Design**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every spring term

**Advisories:** HORT 2 or HORT 3 with a grade of "C" or better. This course is an introduction to basic principles of landscape design, including both hardscape and softscape. The student explores the elements of landscape design, including garden structures, pavements, plants, and complete construction drawings for residential landscape. (CSU)

### **HORT 26 Introduction to Urban Forestry**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Inc.

**Term Typically Offered:** Every spring term

This course covers the principles of urban forestry and landscape tree care, as well as an introduction to arboriculture careers. Topics will include: tree biology, tree identification, tree health threats, soils, nutrition, planting, climbing, pruning, safety practices, tree care tools equipment. This course is for any student interested in learning about landscape tree care and is required for the Landscape Arborist Certificate. (CSU)

### **HORT 50SS Special Studies: Horticulture**

**Units:** 1-4

**Hours:** 48-216 hours  
INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** HORT 1 Environmental Horticulture with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in horticulture. The course

includes research, directed reading, fieldwork or other advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

### **HORT 75 Selected Topics:**

#### **Horticulture**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Horticulture not already covered by the existing curriculum.

### **HORT 96V Work Experience:**

#### **Environmental Horticulture**

**Units:** 1-4

**Hours:** 48-216 hours WORK  
EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

#### **Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student participating in an occupational work experience or internship in horticulture. Application of discipline-related skills and knowledge are emphasized. Each student is engaged in specific on-the-job learning activities under the supervision of a work site supervisor and a college internship instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140.

## **Humanities**

### **HUM 3 Autobiography of Civilization**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

This course is a survey of the artistic traditions of our western cultural heritage. The arts including painting, sculpture, architecture, music, dance, drama, and literature are studied as vehicles in the

search for meaning and value from the ancient world to modern times. Since HUM 3 and CIVIL 3 are cross listed courses, credit may be awarded for either HUM 3 or CIVIL 3 but not both. (HBCU, UC, CSU)

### **HUM 4 Introduction to Linguistics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6; CSU Area E; IGETC Area 3B

**Term Typically Offered:** Every term

This introductory course serves as a foundation for understanding human language. This course surveys structural properties of language (phonetics, phonology, morphology, syntax) as well as historical linguistics, language families, linguistic and cultural diversity, sociolinguistics, neurolinguistics, child language acquisition (biological and cultural aspects), semantics and pragmatics. Issues of language conservation and loss are emphasized, as well as the myriad sociocultural ramifications of language use, locally and globally. Since HUM 4 and ANTHR 4 are cross listed courses, credit may be awarded for either HUM 4 or ANTHR 4 but not both. (HBCU, UC, CSU, C-ID ANTH 130)

### **HUM /ANTHR 4 Introduction to Linguistics**

**Units:** 3

**Hours:** 54 hours LEC

**General Education:** Delta Area 6; CSU Area E; IGETC Area 3B

This introductory course serves as a foundation for understanding human language. This course surveys structural properties of language (phonetics, phonology, morphology, syntax) as well as historical linguistics, language families, linguistic and cultural diversity, sociolinguistics, neurolinguistics, child language acquisition (biological and cultural aspects), semantics and pragmatics. Issues of language conservation and loss are emphasized, as well as the myriad sociocultural ramifications of language use, locally and globally. Since HUM 4 and ANTHR 4 are cross listed courses, credit may be awarded for either HUM 4 or ANTHR 4 but not both. (HBCU, UC, CSU, C-ID ANTH 130)

## COURSE DESCRIPTIONS

### **HUM /CIVIL 3 Autobiography of Civilization**

**Units:** 3

**Hours:** 54 hours LEC

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

This course is a survey of the artistic traditions of our western cultural heritage. The arts including painting, sculpture, architecture, music, dance, drama, and literature are studied as vehicles in the search for meaning and value from the ancient world to modern times. Since HUM 3 and CIVIL 3 are cross listed courses, credit may be awarded for either HUM 3 or CIVIL 3 but not both. (HBCU, UC, CSU)

## **Industrial Technology**

### **ID 194 Industrial Mathematics and Algebra**

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

This noncredit course is designed to introduce applied mathematical principles to technical problems.

The course includes topics of arithmetic, plane geometry, measurement, algebra, and the fundamentals of trigonometry. Noncredit courses may be repeated.

### **INDUS 15 Selected Topics: Industrial Technology**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of Industrial Technology not already covered by existing curriculum. (CSU)

### **INDUS 20 Industrial Safety and Health**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to introduce principles of occupational safety and health for the work-site. The course includes Occupational Safety and Health Act (OSHA) regulations, employee training, and safety considerations. (CSU)

### **INDUS 31 Industrial Hydraulics**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to develop an understanding of the principles and mechanical applications of industrial hydraulics. Topics include shop procedures, component disassembly, troubleshooting, reassembly, and installation. (CSU)

### **INDUS 35 Mobile Hydraulics**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is designed to introduce the use of hydraulics in the automotive and mobile equipment industries. Competency in the analysis and trouble-shooting of circuits are developed by the student in the laboratory. Skills are developed in the recognition and construction of conduits (piping, tubing and hoses) and the rebuilding of pumps, motors, and valves. (CSU)

### **INDUS 45 Industrial Technology**

**Units:** 5

**Hours:** 90 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to cover the principles of matter and the basic laws and theories of Newtonian mechanics. Various forms and uses of energy and the laws governing them are explored. (CSU)

### **INDUS 69V Internship: Industrial Technology**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course may be taken concurrently or may have been taken in the semester immediately prior. This course is designed for the student participating in an occupational internship in industrial technology. Application of discipline-related skills and

knowledge of Secretaries Commission on Achieving Necessary Skills (SCANS) competencies is emphasized. Each student is engaged in a specific research project or on-the-job learning activities under the supervision of a worksite supervisor and a college internship instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. (CSU)

### **INDUS 94 Industrial Mathematics and Algebra**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to introduce applied mathematical principles to technical problems. The course includes topics of arithmetic, plane geometry, measurement, algebra, and the fundamentals of trigonometry.

## **Industrial Technology: Apprenticeship**

### **A-IND 72A Introduction to Apprenticeship**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is an introduction to the requirements of an apprenticeship program, State of California Division of Apprenticeship standards, role of the apprentice, general safety, general operating procedures, and documentation.

### **A-IND 76 Applied Technical Mathematics**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide a review of the computational and problem-solving skills needed for success in a plant maintenance and operations career. The topics include basic mathematical functions, manipulation of algebraic

## COURSE DESCRIPTIONS

expressions, ratio, proportions, geometric calculations, and right-angle trigonometry.

### **A-IND 77A Mechanical Fundamentals**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to basic principles of physics including the laws of motion and fluid behavior.

### **A-IND 77B Bearings, Pumps, and Turbines**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the effects of friction, cavitation and vibration on bearings, pumps, and turbines. The course also identifies various types of pumps and their application.

### **A-IND 77C Motors and Generators**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to include the theory and advanced application of alternating current motors and three-phase generators. Topics of instruction include the principles of construction of large motors and generators rated up to 10,000 horsepower.

### **A-IND 77D Plant Auxiliary Equipment**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to include the study of auxiliary equipment

used in hydro-electric plants.

Emphasis is placed on the operation and application of valves, hydraulic controls, and pneumatic controls.

### **A-IND 77E Hydraulics**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed for the student to apply schematic interpretation, troubleshooting, and problem solving techniques through the use of a hydraulics simulator.

### **A-IND 77F Pneumatics**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed for the student to apply schematic interpretation, troubleshooting, and problem solving techniques through the use of a pneumatic simulator. Emphasis is placed on pressure and flow requirements.

### **A-IND 77G Governor Systems**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to include the function, operation, maintenance, and troubleshooting of governors utilized in a generating plant.

### **A-IND 77H Computers in Hydro-Electric Plants**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the basic concepts of using a computer in hydro-electric power plants. The topics include

(Microsoft) spreadsheets, word processing, reports, desktop accessories, and running commercial applications for plant operations and maintenance.

### **A-IND 77J Water Aqueduct Systems**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide the fundamentals of water measurement and water treatment for a statewide water system. Included are the procedures for monitoring water quality, water testing, water treatment, water management and water flow.

### **A-IND 77K Fundamentals of Thermodynamics**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the fundamentals of thermodynamics as it applies to air conditioning and refrigeration. The course includes the effects of heat on matter, methods of heat transfer, and properties of gases.

### **A-IND 77L Project Control and Power Contracts**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to provide a review of contracts related to the State Department of Water Resources; operation, power, and water contract specifications. Also included is the study of documentation control, operation procedures and electronic communication systems.

### **A-IND 77M Air Conditioning**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Limitations on Enrollment:** Student is a registered State

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indentured apprentice.

This course is designed to introduce the theory, application, and troubleshooting techniques for basic air conditioning systems.

### **A-IND 77N Electro-Mechanical Print Reading**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the theory and skills involved in reading and interpreting electrical drawings, schematics, and wiring diagrams.

### **A-IND 78A Defensive Driving**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to basic driving techniques in order to reduce the risk of being involved in a vehicular accident. The course includes the State of California vehicular code, defensive driving techniques, and State of California service vehicular operation and maintenance rules and regulations.

### **A-IND 78B Heavy Truck Operation**

**Units:** 1

**Hours:** 18 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to the types of heavy trucks used by the California State Department of Water Resources, their maintenance, and their safe operation.

### **A-IND 78C Diesel and Small Gasoline Engines**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall

term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to the basic types of small gasoline engines, diesel engines, and chain saws used by the California State Department of Water Resources.

### **A-IND 78D Surveying and Flood Control Systems**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to flood control systems, inspection, and major causes of levee and dam failure. The course also includes the fundamentals of surveying.

### **A-IND 78E Soils, Asphalt, and Concrete**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to the various types of soil, asphalt, and concrete used by the California State Department of Water Resources, including their origin, composition, general description, and procedures for application.

### **A-IND 78F Environmental Awareness**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to the federal, state, and local environmental requirements which apply to work performed by the California State Department of Water Resources.

### **A-IND 78G Power Lift and Four-Wheel Drive Units**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to the various types of power lift and four-wheel drive units used by the California State Department of Water Resources, their maintenance, their inspection, and their safe operation.

### **A-IND 78H Protective Coatings**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to corrosion, painting, and protective coating control programs.

### **A-IND 78J Small Boat Handling**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to the types of small boats used by the California State Department of Water Resources and their transportation and safe operation.

### **A-IND 78K Mobile Cranes and Rigging**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

#### **Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to the use of mobile cranes, their safe operation and maintenance, and approved methods of rigging for lifting work.

**A-IND 78L Motor Grader**

**Operation**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to the components and operation of the types of motor graders used by the California State Department of Water Resources.

**A-IND 78M Tractor Operations, Trenching, and Shoring**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to the types of tractor, trenching, and shoring operations conducted within the civil maintenance units of the California State Department of Water Resources.

**A-IND 78N Pesticides and Herbicides**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to the types of pesticides and herbicides used by the California State Department of Water Resources, including uses, approved applications, and restrictions.

**A-IND 78P Power Actuated Equipment**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce the student to the requirements and safe operation of

the powder-actuated fastening tools and rotary hammer drills used by the California State Department of Water Resources.

**Interior Design**

**ID 2 Introduction to Interior Design**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to the field of interior design. Topics of functional and aesthetic elements for residential interiors are covered. Emphasis is placed on: principles and elements of design and the selection and organization of furnishings, floor and wall coverings, window treatments, lighting, and accessories. (CSU)

**ID 3 Interior Design Communication and Design**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

This course introduces the students to two and three-dimensional design techniques and spatial representation and communication. Students will develop hand drafting skills and digital drafting skills using Chief Architect software to create 2D and 3D architectural home designs. This is a hands-on course providing students with the fundamental design and problem-solving skills that apply to the practices of two and three-dimensional interior architecture and interior design. (CSU)

**ID 6 Textiles**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is an introduction to textiles used in fashion and interiors. Natural and man-made fibers, yarns, fabric construction, coloring and finishing are examined. Emphasis is placed on fabric performance, serviceability, and the consumer's role in the textile field. Since FASHION 6 and ID 6 are cross listed courses, credit may be awarded for either FASHION 6 or ID 6 but not both. (UC, CSU)

**ID 8 History of Interior Design and Furniture I**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every term

This course is an introduction to the history of interior design, including furniture periods and styles from antiquity to the 19th century. This course is designed to acquaint individuals with the necessary criteria to evaluate and analyze interior design and furniture styles. The importance of political, social, economic, and historical factors that influenced interior and furniture styles are stressed. (UC, CSU)

**ID 9 History of Interior Design and Furniture II**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

This course is an introduction to the history of the history and design of architecture, interiors, and furniture styles from the 19th century to the present. This course is designed to acquaint students with the importance of political, social, economic, and historical factors that influenced interior and furniture styles of various periods, as well as the influence of historical periods on today's design. (CSU)

**ID 10 Residential Interior Design**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every spring term

**Prerequisites:** ID 2 Introduction to Interior Design with a grade of "C" or better.

This course is a focus on the skills used by the interior designer including the use of architectural tools and techniques, space planning, client-designer relationships, and executing treatments for residential interior design. Students will explore the design of the residential interior spaces, including living spaces, kitchens, baths, and support spaces. (CSU)

**ID 11 Commercial Interior Design**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

## COURSE DESCRIPTIONS

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Prerequisites:** ID 2 Introduction to Interior Design with a grade of "C" or better.

This course is a focus on the design of commercial interior spaces, including business, medical, restaurant, hospitality and retail environments. Students will develop skills used by the commercial interior designer, including drafting, the use of architectural tools and techniques, space planning, commercial client needs, and presentation techniques specifically used in the design of commercial interior spaces. (CSU)

### **ID 13 Materials, Specifications and Professional Practices** **Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Prerequisites:** ID 2 Introduction to Interior Design with a grade of "C" or better.

This course is an introduction to the business, practical, and ethical aspects of the interior design profession. The course includes assessment of materials, specifications, construction techniques, and installation processes, as well as the working relationship with craftspeople and tradespeople involved in the profession. Field trips are required. (HBCU, CSU)

### **ID 18 Consumer Behavior in Fashion and Interiors** **Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Prerequisites:** FASHION 2 Introduction to the Fashion Industry or ID 2 Introduction to Interior Design with a grade of "C" or better.

This course is designed to provide students with an overview of the important trends in consumer behavior in the fashion and interiors environments. Students will explore the factors that influence consumer purchases of fashion and home goods and patterns of purchasing behavior within the retail environment. Since ID 18 and FASHION 18 are cross listed courses, credit may be awarded for

either ID 18 or FASHION 18 but not both. (CSU)

### **ID 19 Retailing Fashion and Interiors** **Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every fall term

**Prerequisites:** FASHION 2 Introduction to the Fashion Industry or ID 2 Introduction to Interior Design with a grade of "C" or better.

This course provides a multi-dimensional approach in educating students for careers in the fashion and interior retail industry by combining studies in business fundamentals with theory. All phases of retailing for fashion and interiors are covered, including business organization, buying, merchandising, marketing and consumer behavior. Since FASHION 19 and ID 19 are cross listed courses, credit may be awarded for either FASHION 19 or ID 19 but not both. (CSU)

### **ID 21 Trend Forecasting for Fashion & Interiors** **Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every fall term

**Prerequisites:** FASHION 2 Introduction to the Fashion Industry or ID 2 Introduction to Interior Design with a grade of "C" or better.

This course will introduce students to forecasting and its use by the creative design industries with the aim of developing an intuitive and intellectual approach to predicting future trends, on both fashion and interiors, as well as consumer behavior and retailing. The course provides students with in-depth knowledge of the relationship between forecasting, trend prediction, marketing, economics and style movements. The student will develop research skills in historical context, consumer trends and buying patterns, fads, crazes and cults, all of which play a part in the analysis of style movements. Since ID 21 and FASHION 21 are cross listed courses, credit may be awarded for either ID 21 or FASHION 21 but not both. (CSU)

### **ID 50SS Special Studies: Interior Design** **Units:** 1-4

**Hours:** 48-216 hours  
INDEPENDENT STUDY

**Grade Options:** Letter Grade  
**Term Typically Offered:** Upon student request

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in interior design. The course includes research, directed reading, fieldwork or other advanced study which must be arranged and approved by the instructor and the dean before enrolling in the course. (CSU)

### **ID /FASHION 6 Textiles** **Units:** 3

**Hours:** 54 hours LEC

This course is an introduction to textiles used in fashion and interiors. Natural and man-made fibers, yarns, fabric construction, coloring and finishing are examined. Emphasis is placed on fabric performance, serviceability, and the consumer's role in the textile field. Since ID 6 and FASHION 6 are cross listed courses, credit may be awarded for either ID 6 or FASHION 6 but not both. (UC, CSU)

### **ID /FASHION 18 Consumer Behavior in Fashion and Interiors** **Units:** 3

**Hours:** 54 hours LEC

**Prerequisites:** FASHION 2 Introduction to the Fashion Industry or ID 2 Introduction to Interior Design each with a grade of "C" or better.

This course is designed to provide students with an overview of the important trends in consumer behavior in the fashion and interiors environments. Students will explore the factors that influence consumer purchases of fashion and home goods and patterns of purchasing behavior within the retail environment. Since ID 18 and FASHION 18 are cross listed courses, credit may be awarded for either ID 18 or FASHION 18 but not both. (CSU)

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### **ID /FASHION 19 Retailing Fashion and Interiors**

**Units:** 3

**Hours:** 54 hours LEC

**Prerequisites:** FASHION 2

Introduction to the Fashion Industry or ID 2 Introduction to Interior Design each with a grade of "C" or better.

This course provides a multi-dimensional approach in educating students for careers in the fashion and interior retail industry by combining studies in business fundamentals with theory. All phases of retailing for fashion and interiors are covered, including business organization, buying, merchandising, marketing and consumer behavior. Since FASHION 19 and ID 19 are cross listed courses, credit may be awarded for either FASHION 19 or ID 19 but not both. (CSU)

### **ID /FASHION 21 Trend Forecasting for Fashion & Interiors**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Prerequisites:** FASHION 2

Introduction to the Fashion Industry or ID 2 Introduction to Interior Design with a grade of "C" or better.

This course will introduce students to forecasting and its use by the creative design industries with the aim of developing an intuitive and intellectual approach to predicting future trends, on both fashion and interiors, as well as consumer behavior and retailing. The course provides students with in-depth knowledge of the relationship between forecasting, trend prediction, marketing, economics and style movements. The student will develop research skills in historical context, consumer trends and buying patterns, fads, crazes and cults, all of which play a part in the analysis of style movements. Since ID 21 and FASHION 21 are cross listed courses, credit may be awarded for either ID 21 or FASHION 21 but not both. (CSU)

## **Italian**

### **ITAL 1 Elementary Italian I**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3

**Term Typically Offered:** Every term

This course is an introduction to the Italian language and the cultures of the regions of Italy. Emphasis is placed on communication skills (listening, speaking, reading, and writing) and cultural understanding (behaviors, institutions, perspectives, and artistic manifestations). Students will interact with authentic language in a cultural context. The course affords opportunities for cross-linguistic and cross-cultural comparisons. Completion of the course is equivalent to the satisfactory completion of two years high school Italian. (HBCU, UC, CSU)

### **ITAL 2 Elementary Italian II**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 6

**Term Typically Offered:** Every spring term

**Prerequisites:** ITAL 1 Elementary Italian I or two years high school Italian with a grade of "C" or better. This course develops proficiency in Italian listening, speaking, reading, and writing skills on the advanced elementary level. It explores the cultures of Italy's different regions by analyzing behaviors, institutions, perspectives, and artistic manifestations. Students interact with authentic language in a cultural context. This course affords opportunities for cross-linguistic and cross-cultural comparisons. (HBCU, UC, CSU)

## **Japanese**

### **JAPAN 1 Elementary Japanese I**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade or Inc.

**General Education:** Delta Area 3

**Term Typically Offered:** Every term

This course is an introduction to the Japanese language and the culture of Japan. Emphasis is placed on communication skills (listening, speaking, reading, and writing) and cultural understanding (behaviors, institutions, perspectives, and artistic manifestations). It affords opportunities for cross-linguistic and cross-cultural comparisons. Students will interact with authentic language in a cultural context.

Completion of the course is equivalent to the satisfactory completion of two years of high school Japanese. (UC, CSU)

### **JAPAN 2 Elementary Japanese II**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade or Inc.

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 6

**Term Typically Offered:** Every spring term

**Prerequisites:** JAPAN 1

Elementary Japanese I or two years high school Japanese with a grade of "C" or better.

This course develops proficiency in Japanese listening, speaking, reading, and writing skills on the advanced elementary level. It explores the cultures of Japan by analyzing behaviors, institutions, perspectives, and artistic manifestations. Students interact with authentic language in a cultural context. This course affords opportunities for cross-linguistic and cross-cultural comparisons. (UC, CSU)

## **Law**

### **LAW 2 Introduction to Paralegal Studies, Legal Assisting, and Law Office Administration**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** BUS 8; BIM 38 with a grade of "C" or "P" or demonstrated competency in appropriate technology skills, such as by PrepStep training at <https://www.learningexpresshub.com/productengine/LELIndex.html#/center/prepstepacademic/computer-skills-center/home/get-started-with-your-computer>; by completion of similar courses; by transfer credit course work; by workplace substantiation; by Microsoft Certification; or by other computer industry certification or BUS 7 with a grade of "C" or better or demonstrated competency in appropriate technology skills, writing proficiency at the college level, and oral communication skills. This course is the study of the paralegal/legal assistant profession, legal assisting, and law office management, including career opportunities and legal

## COURSE DESCRIPTIONS

requirements to become a paralegal/legal assistant. Topics include terminology, as well as duties and skills of a paralegal/legal assistant, such as drafting documents, professional responsibility and ethics, multicultural sensitivity, calendaring and docketing, investigation, interviewing, document indexing, file and record maintenance and management, law office organization and administration, court system and research fundamentals. This entry-level course is a prerequisite for all other core paralegal courses in the paralegal program. (CSU)

### **LAW 3 Paralegal/Legal Assistant Professional Responsibility, Communications, and Ethics** **Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** LAW 2 Introduction to Paralegal Studies, Legal Assisting, and Law Office Administration with a grade of "C" or better.

**Corequisites:** LAW 2.

This course involves the study of the principles and rules of legal ethics and professional responsibility, with particular emphasis on their application to paralegals, and the development of students' ability to communicate effectively in the legal environment. Topics include an examination of the role of the paralegal in the legal system and ethical rules and guidelines governing legal professionals, such as rules regarding fees, client funds, billing, advertising, solicitation, unauthorized practice, deceit, confidentiality and attorney-client privilege, conflicts of interest, suppressing evidence, reporting misconduct, competence, and professional practice obligations. Students' communication skills are enhanced through assignments, such as role plays, mock interviews, and presentations. (CSU)

### **LAW 4 Legal Research, Analysis, and Writing**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** LAW 2 Introduction to Paralegal Studies, Legal

Assisting, and Law Office Administration with a grade of "C" or better.

**Corequisites:** LAW 2.

This course is a study of manual and electronic legal research methods and resources, principles of legal writing, and document drafting skills used in the preparation of legal documents in a manner reflecting legal analysis. Topics include an overview of various components of a law library, research techniques through the use of a variety of research tools, using computer applications and online resources, professional oral and electronic communication, and legal writing projects, such as drafting legal memoranda, proper legal citation, checking legal sources, briefing legal opinions, and persuasive writing. (CSU)

### **LAW 5 Law Office Technology, Computer Use, and Legal Document Production**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** LAW 2 Introduction to Paralegal Studies, Legal Assisting, and Law Office Administration with a grade of "C" or better.

**Corequisites:** LAW 2.

This course is the study of how paralegal/legal assistants use computer systems, software applications, the Internet, and other law office technology to find legal resources, conduct legal investigation, and produce legal documents. Emphasis will be on database, spreadsheet, word processing and other applications as they are used to support paralegal functions. Topics will include discussions of technological developments in the legal industry, such as an introduction to current fee-based legal resources; word processing, spreadsheets, and databases for the law office; timekeeping and billing; case management/calendaring/docket control; litigation support; computer-assisted legal research; electronic court filing and service of process; courtroom presentation graphics; use of online California Judicial Council forms; and/or other specialized legal software and online resources to provide hands-on experience with essential litigation and practice management

software applications in the areas of document creation, database management, litigation support and Internet research. (CSU)

### **LAW 6 Advanced Electronic Legal Research and Technology** **Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** LAW 4 Legal Research, Analysis, and Writing with a grade of "C" or better.

This course is the advanced study of using electronic resources and technology to complete legal research, including the use of the Internet to find legal resources and conduct legal investigation. Topics include utilization of fee-based legal resources, such as LEXIS, Westlaw, and Bloomberg Law. (CSU)

### **LAW 7 Civil Litigation: Law and Procedure**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** LAW 4 Legal Research, Analysis, and Writing with a grade of "C" or better.

**Corequisites:** LAW 4.

This course involves the study of the substantive and procedural rules, skills, knowledge, and forms for handling federal and California state civil cases. Topics include selected pretrial, discovery, trial, and post-trial procedures for paralegals, as well as evidence, jurisdiction, document and trial preparation, judicial council form use, fact gathering and investigation, case analysis, pleadings and motions, settlements, judgments, and appeals. Select areas of law will be emphasized, such as immigration law, workers' compensation law, and tort law. (CSU)

### **LAW 8 Criminal Litigation: Law and Procedure**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** LAW 4 Legal Research, Analysis, and Writing with a grade of "C" or better.

**Corequisites:** LAW 4.

This course involves the study of

## COURSE DESCRIPTIONS

the substantive and procedural rules, skills, knowledge, and forms for handling federal and California state criminal cases. Course topics include select overviews of the criminal court system, criminal investigation and prosecution, discovery and investigation, evidence, motions, document and trial preparation and procedures, sentencing, relief, and appeals with an emphasis on the role of the paralegal. The course also includes select overviews of elements of crimes against person and property, parties to a crime, and defenses to crimes, as well as an analysis of procedural law and rights relating to arrest, search and seizure, rights to counsel and a jury, evidentiary issues, sentencing and appeals. (CSU)

### **LAW 9 Transactions: Law and Practice**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** LAW 4 Legal Research, Analysis, and Writing with a grade of "C" or better.

**Corequisites:** LAW 4.

This course provides an introduction to contracts and reading, interpreting, summarizing, and drafting legal documents for various transactions. Topics include contract formation, performance, breach and third party interests, as well as select laws, such as the Uniform Commercial Code, the California Corporations Code, and the laws governing real estate transactions. Students will learn to draft and customize various contracts, legal documents, and forms. Select areas of the law will be emphasized, such as forms-based immigration law, tax law, bankruptcy law, family law, probate law, estate planning, real property law, and corporations. (CSU)

### **LAW 10 The Professional Paralegal/Legal Assistant**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** LAW 6 Advanced Electronic Legal Research and Technology with a grade of "C" or better.

**Corequisites:** LAW 6

This course is the capstone

component of the paralegal degree/certificate. Students will demonstrate their knowledge of substantive law, legal procedures and process, legal principles and ethics, professional communication skills, and the technical skills necessary for entry level employment and career success as a paralegal/legal assistant. (CSU)

### **LAW 11 Administrative Law and Practice**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even fall term

**Advisories:** BUS 8, LAW 2, LAW 4, and POLS C1000 each with a grade of "C" or better, and BIM 38 with a grade of "C" or better or demonstrated competency in appropriate technology skills, such as by completion of similar courses, transfer credit course work, workplace substantiation, and Microsoft certification or other computer industry certification.

This course involves the study of basic concepts of administrative law and procedure in local, state, and federal agencies, especially with regard to the paralegal's role in the administrative process. Statutory law, case law, and administrative rules will be utilized to develop an understanding of the role and authority of administrative agencies in a select variety of fields, such as social security and workers' compensation. Topics include formal and informal advocacy techniques, including representing clients before administrative bodies. Substantive topics include administrative delegation of power, public records acts, rulemaking, agency discretionary powers, remedies, and judicial review. Procedural topics include agency operation, adjudication, hearing preparation, and administrative and judicial appeals. (CSU)

### **LAW 12 Land Use Planning, Development, and Environmental Law and Policy**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** BUS 8, LAW 2, and LAW 4 each with a grade of "C" or better, and BIM 38 with a grade of "C" or better or demonstrated competency in appropriate

technology skills, such as by completion of similar courses; by transfer credit course work; by workplace substantiation; by Microsoft Certification; or by other computer industry certification. This course involves the study of local, state, and federal land use and environmental law and regulation, including substantive and procedural law and practical skills required of an environmental paralegal to analyze facts, apply law, and draft appropriate documents. Topics include zoning, planning, development, administrative law, and land use controls with an emphasis on local government and hearing boards and their operation, as well as select issues such as state and federal air quality, water quality, waste management, natural resources management and preservation, endangered species protection, energy, environmental justice, public policy, and international environmental agreements. (CSU)

### **LAW 13 Conflict Analysis and Alternative Dispute Resolution Law and Practice**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every odd spring term

**Advisories:** BUS 8, LAW 2, and LAW 3 each with a grade of "C" or better.

This course involves the study and practice of alternatives to civil litigation for the resolution of disputes (ADR). Course lessons foster the development of conflict resolution skills and an understanding of ADR methods, as well as the ability to analyze conflict and assess client needs regarding the use of ADR. Course topics include an overview of ADR processes, such as negotiation, mediation, and arbitration. Course lessons allocate at least 10 hours of lecture and discussion to the training elements codified in 16 CCR § 3622 with regard to the orientation and training of neutral persons and section 468.2(g) of the California Dispute Resolution Programs Act. Practical training shall consist of a minimum of 10 hours, including role plays of simulated disputes and/or observations of dispute resolution services, including intake procedures as well as dispute resolution proceedings. Training

## COURSE DESCRIPTIONS

shall provide for personal assessment and evaluation of students. This course focuses on an analysis of the theoretical framework defining each ADR process, practical skills required, ethical issues implicated in its use, and legal analysis relevant to each process. Course instruction emphasizes multicultural communications and considerations for paralegal alternative dispute resolution specialists. (CSU)

### **LAW 14 Constitutional Law**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every odd fall term

**Advisories:** BUS 8 or POLS C1000 and LAW 2 each with a grade of "C" or better.

This course involves the study of federal court procedure and the impact of U.S. constitutional law on other federal and state law. Topics include interpreting the Constitution, as well as locating, analyzing, summarizing, and applying U.S. Supreme Court opinions and cases. (CSU)

### **LAW 15 Selected Topics: Law**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Law not already covered by the existing curriculum. (CSU)

### **LAW 16 Introduction to Social Justice: Law and Social Change**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

**Advisories:** BUS 8, LAW 2, and POLS C1000 each with a grade of "C" or better.

This course involves the interdisciplinary study of class, ethnicity, gender, and race, including a primary focus on one of the following ethnic groups in the United States: Asian Americans, African Americans, Latino-Americans/ Latinx/ Chicanos, and Native Americans. This course examines social justice movements in relation to class, gender, ethnic, and racial groups in the United States to provide a basis for a better understanding of intersectionality and the cultural,

political, and socio-economic conditions among key social groups. This course involves the study of the use of law as an instrument for social change. Topics include the examination of the relationship between law and social change in cross-cultural settings, as well as the analysis of legislation, case law, conflict resolution, and legal institutions as they relate to social change. (HBCU, UC, CSU, C-ID SJS 110)

### **LAW 20 Mock Trial Team**

**Units:** 1-3

**Hours:** 54-162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** BUS 8 and COMM C1000 or COMM 2 or COMM 5 each with a grade of "C" or better.

This course is designed to provide academic credit for members of the Delta College Mock Trial Team, which involves preparation, including research and writing, practice, and participation in intercollegiate mock trial tournaments and/or community events sanctioned by the American Mock Trial Association or other such governing bodies. Competitions focus on leadership, public speaking, rhetoric and persuasion through a legal forum. Field trips are required. This course is repeatable per Title 5 section 55041(a)(3). (CSU, C-ID COMM 160B)

### **LAW 25 Ethical Reasoning/Ethics in Practice**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course provides an introduction to major philosophies, concepts, and theories of ethical decision-making, moral conduct, obligation and permission, justice, and responsibility, generally and/or in an area of public policy or a profession, with attention to particular works of philosophical, historical, literary, and cultural importance. Course topics include philosophical and theoretical points of view of ethics focusing on core concepts and methods of ethical reasoning and the role of ethics in society, including problems and issues examined in their contemporary, historical, and geographical settings, such as the

examination of codes of conduct in specific fields. The course is designed to help the student develop an awareness of the ways in which people respond to ethical dilemmas and to help the student develop an ability to make value judgments and to understand and engage in ethical reasoning. (UC, CSU, C-ID LPPS 120)

### **LAW 26 Introductory Statistical Analysis for Law, Policy, and Justice Studies**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the college's multiple measures assessment process.

**Corequisites:** LAW 70.

This course provides the tools, concepts, and framework for students to become sophisticated consumers of quantitative evidence and social science through an introduction to the basic statistical methods and analyses commonly used in law, policy, and justice studies and applications, including in sociological research, civil rights litigation, public policy formulation, and social justice advocacy. It provides statistical methodological training and skills through the examination of social and cultural manifestations of truth and the interdisciplinary study of class, ethnicity, gender, and race, including a primary focus on one of the following ethnic groups in the United States: Asian Americans, African Americans, Latino-Americans/ Latinx/ Chicanos, and Native Americans. It also relates lessons of quantitative thinking to topical materials that are accessible and relevant to working for justice and social change. Students learn techniques to distinguish credible statistical evidence from misleading statistical claims. Statistical methods to be discussed include use of probability and predictive techniques, as well as hypothesis testing, to facilitate decision-making in the justice system and in the fields of law and public policy. Topics to be discussed include descriptive and inferential statistics, hypothesis testing, probability and sampling distributions, measures of central tendency and dispersion,

correlation and linear regression, multivariate regression, and analysis of variance, chi-square and t-tests. The course involves the application of technology/software for statistical analysis to sociological research in law, policy, and justice studies, including the interpretation of the relevance of the statistical findings. Examples will be provided of the application of statistical methods to problems encountered in law, public and social policy, social justice advocacy, and the justice system. The course will focus on a number of empirical debates as a springboard to teach the logic and terminology of statistical/econometric evaluation of law and policy in the justice system and society. No background, beyond high school algebra, is assumed. Anyone who 1) hopes to work in litigation (e.g., antitrust, business law, civil rights, corporate law, discrimination, environmental law, securities), in the administration of justice, in social justice advocacy, or in policy, 2) wants to be a more informed person, 3) desires to understand social and cultural manifestations of truth as a tool to serve social justice efforts for identified minoritized groups, or 3) wants to understand the challenges of establishing causal relationships, and who does not already have a strong understanding of statistics, will find this course useful. (HBCU, UC, CSU, C-ID SOCI 125)

**LAW 33 Introduction to Public Administration and Policy**  
**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is an interdisciplinary introduction to the study of principles, theories, methods, and challenges in public administration and policy, including policy studies, policy issues, and the processes of policy and program analysis, formation, implementation, and evaluation. This course explores the theoretical rationale for governmental activity, theories of policymaking, the study of policy determinants, and proposals for improved decision making. Examines a diverse set of select policy topics, such as environment, health, education, and social policy, among others. Course concepts include policy theory, the political

environment, personnel management, public and social policy, governmental regulations, public relations, strategic management, labor relations, public financial management, accountability, and ethics. Government service as a career is discussed. Since LAW 33 and BUS 33 are cross listed courses, credit may be awarded for either LAW 33 or BUS 33 but not both. (CSU)

**LAW 35A Pathway to Law Program Seminar: Orientation**  
**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course introduces students to the Pathway to Law program as the first in a series of seminar courses. Through a selection of class activities, possible field trips, readings, and guest lectures, students will be introduced to a variety of specializations and occupations within the field of law. These may include a variety of occupational opportunities in animal law, alternative dispute resolution, art law, business law, civil rights law, criminal law, employment and labor law, environmental law, family law, food law, health and medical law, immigration law, intellectual property law, international law, land use and real estate law, military law, science and technology law, sports and entertainment law, and other specialties. Service/civic learning and networking opportunities may be provided to develop internship placements and mentoring arrangements in order to obtain law or law-related experience, to prepare for additional legal education or employment, and to explore interest in various occupations within the diverse field of law. His course surveys the world of viticulture and the wine industry, including the history of viticulture, grapevine anatomy, worldwide grapes, wine production, the making of wine, and sensory evaluations. Since LAW 35A and POLSC 35A are cross listed courses, credit may be awarded for either LAW 35A or POLSC 35A but not both. (HBCU, CSU)

**LAW 50SS Special Studies: Multidisciplinary**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** BUS 8 Introduction to Law and Society or LAW 2 Introduction to Paralegal Studies, Legal Assisting, and Law Office Administration.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in the field of law, including paralegal and/or socio-legal studies. The course may include research, directed reading, field work, or advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

**LAW 68V Internship: Paralegal/Legal Assistant Program**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

**Prerequisites:** LAW 3 Paralegal/Legal Assistant Professional Responsibility, Communications, and Ethics, LAW 5 Law Office Technology, Computer Use, and Legal Document Production, and LAW 6 Advanced Electronic Legal Research and Technology each with a grade of "C" or better.

**Corequisites:** LAW 6.

**Limitations on Enrollment:** Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

**Advisories:** BIM 38 with a grade of "C" or better, or demonstrated competency in appropriate technology skills, such as by completion of similar courses; by transfer credit course work; by workplace substantiation; by

## COURSE DESCRIPTIONS

Microsoft Certification; or by other computer industry certification. This course is designed for the student participating in an occupational internship in a law-related occupation through the Paralegal/Legal Assistant program, which facilitates work experience in law, paralegal, or legal research under the supervision of the instructor and agency personnel. Application and development of paralegal skills and job competencies is emphasized. Through assignments and ongoing communication and interactions between the student, field experience supervisor, and paralegal program faculty, the course covers substantive law, legal procedures, and/or process, such as evidence, investigations, and other practical paralegal skill and knowledge development in fields in regional demand, such as Bankruptcy Law, Family Law, Immigration Law, Tort Law, and Workers' Compensation. Each student is engaged in a specific research project or on-the-job learning activities to develop discipline-specific reasoning and understanding under the supervision of a worksite supervisor and a college internship instructor in the paralegal program. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. (CSU)

### **LAW 70 Corequisite Support for Introductory Statistical Analysis for Law, Policy, and Justice Studies**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**Corequisites:** LAW 26 Introductory Statistical Analysis for Law, Policy, and Justice Studies .

This course is designed to be a review of core prerequisite skills, concepts, and techniques used in various statistical analyses. The topics include review of descriptive and inferential statistics, probability, sampling distributions, hypothesis testing and statistical inference, with applications in law, policy, and justice studies. Units earned in this course do not count toward the associate degree.

### **LAW 75 Selected Topics: Law**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Law not already covered by the existing curriculum. Units earned in this course do not count toward the associate degree.

### **LAW /BUS 33 Introduction to Public Administration and Policy**

**Units:** 3

**Hours:** 54 hours LEC

**Term Typically Offered:** Every fall term

This course is an interdisciplinary introduction to the study of principles, theories, methods, and challenges in public administration and policy, including policy studies, policy issues, and the processes of policy and program analysis, formation, implementation, and evaluation. This course explores the theoretical rationale for governmental activity, theories of policymaking, the study of policy determinants, and proposals for improved decision making. Examines a diverse set of select policy topics, such as environment, health, education, and social policy, among others. Course concepts include policy theory, the political environment, personnel management, public and social policy, governmental regulations, public relations, strategic management, labor relations, public financial management, accountability, and ethics.

Government service as a career is discussed. Since LAW 33 and BUS 33 are cross listed courses, credit may be awarded for either LAW 33 or BUS 33 but not both. (CSU)

### **LAW /POL 35A Pathway to Law Program Seminar: Orientation**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

This course introduces students to the Pathway to Law program as the first in a series of seminar courses.

Through a selection of class activities, possible field trips, readings, and guest lectures, students will be introduced to a variety of specializations and occupations within the field of law. These may include a variety of occupational opportunities in animal law, alternative dispute resolution, art law, business law, civil rights law, criminal law, employment and labor law, environmental law, family

law, food law, health and medical law, immigration law, intellectual property law, international law, land use and real estate law, military law, science and technology law, sports and entertainment law, and other specialties. Service/civic learning and networking opportunities may be provided to develop internship placements and mentoring arrangements in order to obtain law or law-related experience, to prepare for additional legal education or employment, and to explore interest in various occupations within the diverse field of law. Since LAW 35A and POLSC 35A are cross listed courses, credit may be awarded for either LAW 35A or POLSC 35A but not both. (HBCU, CSU)

## Learning Skills

### **LS 72 Transition for Academic Success**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every summer term

In this course students define and develop the characteristics of a successful college student, and practice developing behaviors and attitudes that increase academic success, including familiarity with campus resources. Students will evaluate and reinforce successful learning tools in areas such as time management, memory processing and learning styles. This course is an introduction to the college experience and the educational process. Units earned in this course do not count toward the associate degree.

### **LS 73 Memory and Thinking Strategies**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is designed to provide information and memory techniques to the student who is experiencing academic difficulties. This course enhances skills in the areas of learning strategies, personal growth, and organizational retrieval systems. An awareness of different learning styles and learning preferences are presented

## COURSE DESCRIPTIONS

throughout the course. Students learn what directly impacts their success and limitations in the educational process. Units earned in this course do not count toward the associate degree.

### **LS 77 Introduction to Computers for College Success**

**Units:** 1.5

**Hours:** 18 hours LEC; 27 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is designed to introduce computer basics and assistive technology: use of adaptive programs and screen-reading software to assist in editing and proofreading written work; introductory Internet skills, including e-mail and Canvas, and locating resources on the web; introduction to word processing and presentation graphics. The course requires no previous computer knowledge or experience. Units earned in this course do not count toward the associate degree.

### **LS 78 Understanding Learning Differences**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course focuses on learning differences, learning theory, and strategies related to specific learning challenges. Students create a learning portfolio to identify learning style, strengths, and weaknesses, demonstrate understanding of learning differences, methods of retention, and output of knowledge. Units earned in this course do not count toward the associate degree.

### **LS 90A Beginning Adapted Keyboarding**

**Units:** 1

**Hours:** 9 hours LEC; 27 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This beginning course is designed to teach students basic keyboarding computer skills, techniques, and assistive technology that will enable them to be successful in accessing the computer. The course will

review ergonomics and software for academic success. Students will practice self-paced typing tutorials and complete word processing assignments that focus on improving keyboarding and office production. Units earned in this course do not count toward the associate degree.

### **LS 90B Intermediate Adapted Keyboarding**

**Units:** 1

**Hours:** 9 hours LEC; 27 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** LS 90A Beginning Adapted Keyboarding with a grade of "C" or better.

This intermediate course is designed to teach students common keyboarding computer skills, techniques, and assistive technology that will further enable them to be successful in accessing the computer. This course expands and builds upon the skills developed in LS 90A Beginning Adapted Keyboarding. Units earned in this course do not count toward the associate degree.

## **Library Skills**

### **LIBRY 1 Library Information Literacy**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 6

This course is designed to help the student develop information literacy skills and to introduce the variety of information resources and information retrieval tools available in academic libraries. The student learns about library services and resources as well as how to develop research strategies, how to effectively retrieve information utilizing library research tools, and how to cite retrieved sources in major writing styles. (UC, CSU)

### **LIBRY 2 Advanced Library Information Literacy**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 6

**Prerequisites:** LIBRY 1 Library Information Literacy with a grade of "C" or better.

This course is designed to further develop the student's information literacy and critical thinking skills learned in Library Information Literacy. In this course, special emphasis is given to the Internet as a research tool, online bibliographic tools, online databases, online searching strategies, general and specialized reference books, law reference sources, and career information. (UC, CSU)

### **LIBRY 3 Information Competency**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6

This course is designed to empower students with the technological skills, research strategies, and critical thinking abilities needed to find, evaluate, use, and communicate information in various formats. The course promotes consideration of ethical and legal use of information as well as the application of both critical thinking and communication skills. The course combines instruction, hands-on learning and applications, online class discussions, analysis and evaluation of information, learning assessment, and a research project. (UC, CSU)

### **LIBRY 10 Information Research Skills**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6

This course is designed to help students select and analyze topics for their research papers, develop effective search strategies, and search credible and reliable information for their research papers. Students will learn to use a variety of research and citation tools that will empower them to write quality research papers and cite sources using major writing styles. (HBCU, UC, CSU)

## **Machine Technology**

### **MACH 5 Selected Topics: Machine Tool Technology**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Machine Tool Technology not already covered by the existing curriculum. (CSU)

## COURSE DESCRIPTIONS

### **MACH 16 Machine Tool Process**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

This course is for the student who plans to enter occupations in metals technology, manufacturing, engineering, and related fields. The student will learn theory and operation of metal-working machines including lathes, grinding machines, milling machines, drill presses, sawing machines, and computer numerical control (CNC) lathe and milling machines. Topics include cutting tools, measuring tools and instruments, welding, casting, heat treatment of steel, production setups, and Computer Numerical Control (CNC) machines. A combined program of lecture and laboratory allows the student to have hands-on experience with a variety of machinery processes. (CSU)

### **MACH 70A Machining Fundamentals I**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every fall term

This course is an introduction to metal machining theory and application as well as blueprint reading, related mathematics, and dimensional inspection. Subjects include precision measuring instruments, hand tools, part layout, and the operation of manually operated machine tools with an emphasis on the lathe.

### **MACH 70B Machining Fundamentals II**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Advisories:** MACH 70A with a grade of "C" or better.

This course is an introduction to metal machining theory and application as well as blueprint reading, related mathematics, and dimensional inspection. Subjects include precision measuring instruments, hand tools, part layout, and the setup and operation of manually operated machine tools

with an emphasis on the vertical milling machine.

### **MACH 73A Intermediate Machining Methods I**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every fall term

**Prerequisites:** MACH 70A Machining Fundamentals I with a grade of "C" or better.  
This course is designed to provide students with a greater understanding of general manual machining theory, application, and operation. Subjects include blueprint reading, mathematics advanced layout & fixturing, precision measuring instruments, and operation of manually operated surface grinders, lathes, milling machines, and saws.

### **MACH 73B Intermediate Machining Methods II**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Prerequisites:** MACH 70B Machining Fundamentals II with a grade of "C" or better.  
This course is designed to provide the student with a greater understanding of the theory and application of machine tool operations. Subjects include metal fabrication using manually operated lathes, milling machines, saws, grinders, and presses. In addition to these, heat treating, dimensional inspection, fixturing, and print reading will be covered. Students will also use ASME Y14.5 design standards to fabricate and inspect parts.

### **MACH 74A Computer Numerical Controlled Machining - Mill**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every fall term

**Advisories:** MACH 70B with a grade of "C" or better.  
This course combines manual machining processes with automated machining equipment. Students will develop programs using "G" and "M" codes to automate the machining process.

The major emphasis of the course is the programming of the Computer Numerical Controlled (CNC) milling machines. In addition to programming, the student will develop setup procedures and operating techniques commonly used in industry.

### **MACH 74B Computer Numerical Controlled Machining - Lathe**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every spring term

**Prerequisites:** MACH 74A Computer Numerical Controlled Machining - Mill with a grade of "C" or better.

This course combines manual machining processes with automated machining equipment. Students will develop programs using "G" and "M" codes to automate the machining process. The major emphasis of the course is the programming of the Computer Numerical Controlled (CNC) lathes. In addition to programming, the student will develop setup procedures and operating techniques commonly used in industry.

### **MACH 75 Selected Topics: Machine Tool Technology**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Machine Tool Technology not already covered by the existing curriculum.

### **MACH 76A Computer Aided Machining I**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every fall term

**Prerequisites:** MACH 74A Computer Numerical Controlled Machining - Mill with a grade of "C" or better.

This course is based on the knowledge and skills learned in MACH 74A and MACH 74B. The course combines the study of machine tool theory, blueprint reading, and related mathematics with hands-on shop experience. The emphasis of the course focuses on the use of Computer-Aided Drafting/Computer-Aided

## COURSE DESCRIPTIONS

Manufacturing (CAD/CAM) software to program Computer Numerically Controlled (CNC) machine tools. The student will develop computer-generated drawings, define tool paths, select tooling, select fixturing and generate CNC code for vertical milling centers.

### **MACH 76B Computer Aided Machining II**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** MACH 74A

Computer Numerical Controlled Machining - Mill with a grade of "C" or better.

This course is based on the knowledge and skills learned in MACH 76A Computer Aided Machining I. The course combines the study of machine tool theory, blueprint reading, and related mathematics with hands-on shop experience. The emphasis of the course focuses on the use of Computer-Aided Drafting/Computer-Aided Manufacturing (CAD/CAM) software to generate programs and 3D toolpaths for Computer Numerically Controlled (CNC) mills. The student will develop computer generated drawings, define tool paths, and generate Computer Numerical Control (CNC) code. Surface and solid modeling will be introduced.

### **MACH 87A Machine Tool Technology Specialization**

**Units:** 1-4

**Hours:** 48-216 hours

INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** MACH 73A

Intermediate Machining Methods I with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment.

This course is designed for the advanced student in machining technology. The student completes an advanced specialized project developed in consultation with the

instructor. Units earned in this course do not count toward the associate degree.

### **MACH 98V Work Experience: Machine Tool Technology**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is designed for the student participating in an occupational work experience or internship in machine technology. Application of discipline-related skills and knowledge are emphasized. Each student is engaged in specific on-the-job learning activities under the supervision of a work site supervisor and a college internship instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140.

## **Mass Communication**

### **MCOM 1 Introduction to Mass Communication**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6

**Term Typically Offered:** Every term

This course is a comprehensive survey of mass communication and the interrelationships of media with society, including history, development and trends in the digital age, including analysis of newspapers, magazines, television, radio, online media, public relations, advertising and photojournalism. Students discuss theories and effects, economics, technology, law and ethics, global media, media literacy, and social issues, including gender and cultural diversity. The impact of mass media in a free society is also examined. The course also addresses controls on the media, including media law and ethics. The constitutional basis for a

free press is explored. (UC, CSU, C-ID JOUR 100)

### **MCOM 5 Social Media and Society**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course offers a comprehensive look at the evolution of social media as it pertains to mass communication, specifically in sending directed messages to the masses through online media channels. Topics will include the evolution of social media, positive and negative impacts of directed campaigns and the cultural impact of content. Mediums for transmitting social messages will be discussed in length, including sharing of video, photographs and written content. Professional behavior, networking and ethical practices will also be examined. (CSU)

### **MCOM 7 Photojournalism**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is designed to offer the student instruction as a photo journalist, focusing on theory and practice in press and publication photography, with emphasis on using the camera as a reporting and communications tool. Specific attention will be given to reporting and interpreting news for print and Internet mass media. Covered are news and feature photography and photographic essays, including composition, impact, and creativity for newspapers, magazines, Internet, and other mass communications media. The course includes instruction in operation of digital cameras, composition, processing of digital images, and photo page design. Legal and ethical issues related to photojournalism are also examined. (HBCU, CSU, C-ID JOUR 160)

### **MCOM 8 Social Media Content**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is a survey of content creation, with specific focus on visual elements, to capture, attract

## COURSE DESCRIPTIONS

and retain users. Emphasis will be placed on aesthetics and design to promote share and spread on social media channels. Established and emerging visual technologies will be discussed and recommended for execution. (CSU)

### **MCOM 9 Social Media Strategy**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is a comprehensive survey of building campaigns across social media channels, with focus on meaningful participation and engagement. Students will learn methodology and practice for building effective social media campaigns. Focus will be on identifying target markets, developing tone, choosing proper channels, and building content for implementing a social media plan of action. (CSU)

### **MCOM 10 Multimedia Storytelling**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to provide basic skills in the art of multimedia storytelling and project building with a journalism emphasis. Techniques that will be explored include use of video, photos, animation, graphic design, and text to convey interactive news and feature stories through the Internet and other electronic media. In addition, students will use critical thinking skills to develop the best way to build media content into a central project. Ethical considerations, including the use of contributed content, will also be examined. (CSU, C-ID JOUR 120)

### **MCOM 11 Newswriting**

**Units:** 3

**Hours:** 18 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to offer an introduction to gathering, synthesizing, organizing and writing news in a fundamental journalistic style across all media platforms. Emphasis is placed on the personal interview as a vital process in structuring an objective

presentation of news and feature stories. Accompanying the various areas of writing instruction is an introduction to the basics of being a multimedia reporter, developing photo, video, and audio capturing skills. It includes the role of the journalist and related legal and ethical issues. Students will report and write based on their original interviews and research to produce news content. Experiences may include covering speeches, meetings and other events, writing under deadline, and using AP Style. (CSU, C-ID JOUR 110)

### **MCOM 12A News Media**

#### **Production I**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MCOM 11

Newswriting with a grade of "C" or better.

This course is designed to offer students lab experiences in all aspects of student media production, including regularly producing news or feature non-fiction stories with journalistic emphasis for cross-platform publication in student media. Weekly news assignments cover the writing of news, feature, sports, and opinion stories. Peer editing, design, digital photography and production processes are also covered. Students may produce across digital platforms for experience in design/layout, online and multimedia journalism, and emerging technologies. Media is produced under student leadership. (CSU, C-ID JOUR 130)

### **MCOM 12B News Media**

#### **Production II**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MCOM 12A News Media Production I with a grade of "C" or better.

This course is designed to offer students intermediate lab skills in all aspects of news media production, including producing news or feature non-fiction stories with journalistic emphasis for student media publication. Students will take on leadership and management roles, serving as a copy or section editor for the college media. Weekly

assignments cover the writing of news, feature, sports and opinion stories. Peer editing, design, digital photography and production are also covered. Students may produce across digital platforms for experience in design/layout, online and multimedia journalism and emerging technologies. Media is produced under student leadership. (CSU, C-ID JOUR 131).

### **MCOM 12C News Media**

#### **Production III**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MCOM 12B News Media Production II with a grade of "C" or better.

This course is designed to offer the student instruction in production of the student news media, including editing, design and digital photography, while introducing web news practices and content management systems. The student will serve as copy editor, section editor, social media editor or online editor in addition to balancing management skills with news-based digital media skills. (CSU)

### **MCOM 12D News Media**

#### **Production IV**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MCOM 10 Multimedia Storytelling or MCOM 12C News Media Production III with a grade of "C" or better.

This course is designed to offer the student instruction in content production as it pertains to the student news media. Specific focus will be placed on advanced digital photography, sound editing and video development. The student will serve as a copy editor, section editor, social media editor, online editor or video editor in addition to balancing management skills with print and digital media news products. (CSU)

### **MCOM 13 Introduction to Public Relations**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course provides an

## COURSE DESCRIPTIONS

introduction to the principles of public relations. Students will learn about the four-step strategic public relations process and have an opportunity to work with a client on a public relations plan. Public relations practitioners must be effective communicators who manage relationships between organizations and their stakeholders. Therefore, this course will offer discussions about the practice, theory, history, and industry specializations, all while executing steps of the strategic planning process such as message development and distribution. (HBCU, CSU)

### **MCOM 15 Selected Topics: Mass Communications**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Mass Communications not already covered by the existing curriculum. (CSU)

### **MCOM 50SS Special Studies: Mass Media**

**Units:** 1-4

**Hours:** 48-216 hours  
INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** MCOM 1

Introduction to Mass Communication with a grade of "B" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in mass media. The course includes research, directed reading, fieldwork or other advanced study which must be arranged and approved by the instructor and the division dean before enrolling in the course. (CSU)

### **MCOM 69V Internship: Media**

**Units:** 1-6

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** MCOM 11 Newswriting and MCOM 12A News Media Production I each with a grade of "C" or better.

### **Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This supervised internship course is designed to provide the advanced journalism student with the opportunity to gain work experience for either off-campus print or electronic medium and to earn credit for the experience. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. (CSU)

### **MCOM 75 Selected Topics: Mass Communication**

**Units:** 0.5-4

This course is designed to offer instruction in one or more of the specialized areas of journalism not already covered by the existing curriculum.

### **MCOM 105 Social Media and Society**

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

This noncredit course offers a comprehensive look at the evolution of social media as it pertains to mass communication, specifically in sending directed messages to the masses through online media channels. Topics will include the evolution of social media, positive and negative impacts of directed campaigns and the cultural impact of content. Mediums for transmitting social messages will be discussed in length, including sharing of video, photographs and written content. Professional behavior, networking and ethical practices will also be examined. Noncredit courses may be repeated.

### **MCOM 108 Social Media Content**

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

This noncredit course is a survey of

content creation, with specific focus on visual elements, to capture, attract and retain users. Emphasis will be placed on aesthetics and design to promote share and spread on social media channels. Established and emerging visual technologies will be discussed and recommended for execution. Noncredit courses may be repeated.

### **MCOM 109 Social Media Strategy**

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

This noncredit course is a comprehensive survey of building campaigns across social media channels, with focus on meaningful participation and engagement. Students will learn methodology and practice for building effective social media campaigns. Focus will be on identifying target markets, developing tone, choosing proper channels, and building content for implementing a social media plan of action. Noncredit courses may be repeated.

### **MCOM 113 Introduction to Public Relations**

**Units:** 0

**Hours:** 54 hours LEC

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

This noncredit course provides an introduction to the principles of public relations. Students will learn about the four-step strategic public relations process and have an opportunity to work with a client on a public relations plan. Public relations practitioners must be effective communicators who manage relationships between organizations and their stakeholders. Therefore, this course will offer discussions about the practice, theory, history, and industry specializations, all while executing steps of the strategic planning process such as message development and distribution. Noncredit courses may be repeated.

## **Mathematics**

### **MATH 1 Calculus I**

**Units:** 5

**Hours:** 90 hours LEC

**Grade Options:** Letter Grade

## COURSE DESCRIPTIONS

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** MATH 38A Precalculus I and MATH 38B Precalculus II or MATH 39 Precalculus with a grade of "C" or better, or successful completion of Precalculus or appropriate placement as determined by the college's multiple measures assessment process. This course is the first course in differential and integral Calculus. Topics include: limits and continuity, techniques of differentiation and integration, the Fundamental Theorem of Calculus and applications of differentiation and integration. This course is primarily for Science, Mathematics, Technology, and Engineering majors. (HBCU, UC, CSU, C-ID MATH 210)

### **MATH 1EX Calculus I with Support**

**Units:** 7

**Hours:** 108 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** MATH 38A Precalculus I and MATH 38B Precalculus II or MATH 38AEX Precalculus I with Support and MATH 38BEX Precalculus II with Support or, MATH 39 Precalculus with a grade of "C" or better, or appropriate placement as determined by the college's multiple measures assessment process. This course is the first course in differential and integral Calculus. Topics include: limits and continuity, techniques of differentiation and integration, the Fundamental Theorem of Calculus and applications of differentiation and integration. This course is primarily for Science, Mathematics, Technology, and Engineering majors. This course includes lab time to provide just-in-time review of prerequisite skills, extra content instruction, and active learning opportunities to support student learning. Since MATH 1EX and MATH 1 are equivalent courses, credit may be awarded for either MATH 1EX or MATH 1 but not both. (CSU)

### **MATH 2 Calculus II**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** MATH 1 Calculus I with a minimum grade of "C," successful completion of Calculus, or appropriate placement as determined by the multiple measures assessment process. This course is the second course in differential and integral Calculus. Topics include integration, techniques of integration, applications of the integral, and infinite sequences and series, polar and parametric equations. This class is primary for Mathematics, Science, Technology and Engineering majors. (HBCU, UC, CSU, C-ID MATH 220)

### **MATH 3 Multivariable Calculus**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** MATH 2 Calculus II with a grade of "C" or better. This course introduces vector valued functions, calculus of functions of more than one variable, partial derivatives, multiple integration, Green's Theorem, Stokes's Theorem and the divergence theorem. (HBCU, UC, CSU, C-ID MATH 230)

### **MATH 4 Differential Equations**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** MATH 2 Calculus II with a grade of "C" or better. This course provides an introduction to the study of elementary differential equations. The course includes a computer laboratory component complementing the lecture component. Lecture and laboratory topics include first and second order linear differential equations, nonlinear differential equations, power series solution methods including solutions near ordinary and singular points, the Laplace transform, and systems of linear

differential equations. (HBCU, UC, CSU, C-ID MATH 240)

### **MATH 5 Linear Algebra**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** MATH 2 Calculus II with a grade of "C" or better. This course develops the techniques and theory needed to solve and classify linear systems of equations. Techniques include elementary row operation, Gaussian elimination and matrix algebra. Properties of two and three-dimensional vectors are studied, and abstract vector spaces are introduced. Vector space and Matrix theory are presented. Topics include linear transformations, eigenvalues and eigenspaces, orthogonality, norms, and inner products. Applications of linear algebra are included. (UC, CSU, C-ID MATH 250)

### **MATH 10 Introduction to Contemporary Mathematics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process. This course presents a selection of mathematical topics that are not algebraic in nature. The aspects of mathematics which are easily accessible and easy to understand for an average person, and yet have fundamental applications in many areas of life, are presented. It is intended for the broad population of students, especially those who may suffer from mathematics anxiety. Those students will be challenged to appreciate mathematics rather than fear it. This course is not part of the STEM sequence. It covers topics from the following areas of mathematics: personal finance; voting methods; apportionment of public funds; symmetry in mathematics, science, and arts; graph theory; game theory; systems of numeration; set theory; and logic. Time permitting, a

## COURSE DESCRIPTIONS

few other topics may be covered. (CSU)

### **MATH 13 Survey of Calculus**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process, or concurrent enrollment in MATH 101 Corequisite Mathematics Support for BSTEM Courses.

**Advisories:** MATH 38A

Precalculus I

This course is designed primarily for the student studying business, life science, social science, or engineering technology who wishes an overview of the practical aspects of Calculus, rather than the more rigorous development found in the three semester sequential Calculus series (MATH 1, MATH 2, MATH 3). (HBCU, UC, CSU, C-ID MATH 140)

### **MATH 13EX Survey of Calculus with Support**

**Units:** 5

**Hours:** 72 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process.

**Advisories:** MATH 38A.

This course is designed primarily for the student studying business, life science, social science, or engineering technology who wishes an overview of the practical aspects of Calculus, rather than the more rigorous development found in the three-semester sequential Calculus series (MATH 1, 2, 3). This course includes lab time to provide just-in-time review of prerequisite skills, extra content instruction, and active learning opportunities to support student learning. Graphing calculators may be required. (CSU)

### **MATH 14 Technical Mathematics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** Placement as determined by the college's multiple measures assessment process or

completion of a course taught at or above the level of intermediate algebra.

This course develops the computational, analytical, and problem-solving skills needed in many CTE (Career Technical Education) programs. Topics include number sense, ratios, percentages and proportional reasoning, measurement and geometry, trigonometric applications and an introduction to vectors. Emphasis is placed on critical thinking and skilled-trade applications. (CSU)

### **MATH 15 Selected Topics:**

**Mathematics**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Mathematics not already covered by the existing curriculum. (CSU)

### **MATH 17A Concepts and Structures of Mathematics**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process. This course is one of two courses designed for the pre-service elementary teacher. The course focuses on the development of quantitative reasoning skills through in-depth, integrated explorations of topics in mathematics, including real number systems and subsystems. Emphasis is on comprehension and analysis of mathematical concepts and application of logical reasoning. Throughout the course, accurate use of mathematical terminology and notation will be emphasized. (HBCU, UC, CSU, C-ID MATH 120)

### **MATH 17B Concepts and Structures of Mathematics**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** Successful

completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process. This course is one of two courses designed for the pre-service elementary teacher. The course focuses on the development of quantitative reasoning skills through in-depth, integrated explorations of topics in mathematics, including measurement, geometry and introductory probability and statistics. Throughout the course, accurate use of mathematical terminology and notation will be emphasized. (UC, CSU)

### **MATH 20 Finite Mathematics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** MATH 37 College Algebra or MATH 37EX College Algebra with Support with a grade of "C" or better, or successful completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process, or concurrent enrollment in MATH 101 Corequisite Mathematics Support for BSTEM Courses.

This course is designed to fulfill the mathematics requirements of the student in business administration, management, life sciences, or social sciences. The course covers a variety of topics including linear functions, systems of equations and inequalities, matrices, linear programming, elementary combinatorial techniques, sets, Venn diagrams, elementary probability, and the mathematics of finance. Application problems to business, economics and social sciences are emphasized throughout. Graphing calculators are used extensively. The TI-84 PLUS is used for instructor demonstrations. (UC, CSU, C-ID MATH 130).

### **MATH 20EX Finite Mathematics with Support**

**Units:** 3.5

**Hours:** 54 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the college's multiple

## COURSE DESCRIPTIONS

measures assessment process. This course is designed to fulfill the mathematics requirements of the student in business administration, management, life sciences, or social sciences. The course covers a variety of topics including linear functions, systems of equations and inequalities, matrices, linear programming, elementary combinatorial techniques, sets, Venn diagrams, elementary probability, and the mathematics of finance. Application problems to business, economics and social sciences are emphasized throughout. This course includes lab time to provide just-in-time review of prerequisite skills, extra content instruction, and active learning opportunities to support student learning. Graphing calculators are used extensively. The TI-84 PLUS is used for instructor demonstrations. (CSU, C-ID MATH 130).

### **MATH 37 College Algebra**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process. This course is a college-level course in algebra for liberal arts majors. Topics include absolute value, linear, polynomial, rational, radical, exponential, and logarithmic equations and functions, analyzing functions using graphing technologies, investigating function applications in the real-world, systems of equations and analytic geometry. This course may also provide algebra preparation for Precalculus, Applied Calculus or Finite Math. A graphing calculator is recommended. Instructor demonstrations utilize a Texas Instruments graphing calculator. Since MATH 37 and MATH 37EX are equivalent courses, credit may be awarded for either MATH 37 or MATH 37EX but not both. (HBCU, UC, CSU)

### **MATH 37EX College Algebra with Support**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade  
**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process. This course is a college-level course in algebra for liberal arts majors. Topics include absolute value, linear, polynomial, rational, radical, exponential, and logarithmic equations and functions, analyzing functions using graphing technologies, investigating function applications in the real-world, systems of equations and analytic geometry. This course may also provide algebra preparation for Precalculus, Applied Calculus or Finite Math. This course includes lab-time to provide just-in-time review of prerequisite skills, extra content instruction, and active learning opportunities to support student learning. A graphing calculator is recommended. Instructor demonstrations utilize a Texas Instruments graphing calculator. Since MATH 37EX and MATH 37 are equivalent courses, credit may be awarded for either MATH 37EX or MATH 37 but not both. (HBCU, UC, CSU)

### **MATH 38A Precalculus I**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process, or concurrent enrollment in MATH 71 Corequisite Support for Precalculus I.

This is part I of a preparatory course for Calculus. In this course, emphasis is placed on the algebraic skills and function knowledge necessary for success in Calculus. Topics include absolute value, linear, quadratic, polynomial, rational, radical, exponential and logarithmic equations, functions and their applications. Graphing calculators may be required. Since MATH 38A and MATH 38AEX are equivalent courses, credit may be awarded for either MATH 38A or MATH 38AEX but not both. (HBCU, UC, CSU, C-ID MATH 955)

### **MATH 38AEX Precalculus I with Support**

**Units:** 6

**Hours:** 90 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process. This is part I of a preparatory course for Calculus. In this course, emphasis is placed on the algebraic skills and function knowledge necessary for success in Calculus. Topics include absolute value, linear, quadratic, polynomial, rational, radical, exponential and logarithmic equations, functions and their applications. This course includes lab time to provide just-in-time review of prerequisite skills, extra content instruction, and active learning opportunities to support student learning. Graphing calculators may be required. Since MATH 38AEX and MATH 38A are equivalent courses, credit may be awarded for either MATH 38AEX or MATH 38A but not both. (UC, CSU)

### **MATH 38B Precalculus II**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process. This is part II of a preparatory course for Calculus. In this course, emphasis is placed on the trigonometry and analytic geometry knowledge necessary for success in Calculus. Topics include trigonometric functions, trigonometric applications, polar coordinates, vectors, and linear and non-linear systems. Graphing calculators may be required. Since MATH 38B and MATH 38BEX are equivalent courses, credit may be awarded for either MATH 38B or MATH 38BEX but not both. (HBCU, UC, CSU, C-ID MATH 955)

### **MATH 38BEX Precalculus II with Support**

## COURSE DESCRIPTIONS

**Units:** 4.5

**Hours:** 72 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the college's multiple measures assessment process. This is part II of a preparatory course for Calculus. In this course, emphasis is placed on the trigonometry and analytic geometry knowledge necessary for success in Calculus. Topics include trigonometric functions, trigonometric applications, polar coordinates, vectors, and linear and non-linear systems. This course includes lab time to provide just-in-time review of prerequisite skills, extra content instruction, and active learning opportunities to support student learning. Graphing calculators may be required. Since MATH 38BEX and MATH 38B are equivalent courses, credit may be awarded for either MATH 38BEX or MATH 38B but not both. (UC, CSU)

### **MATH 39 Precalculus**

**Units:** 6

**Hours:** 108 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process. This course is a preparatory course for Calculus. It emphasizes the algebraic and trigonometric knowledge and skills required for success in Calculus. Topics include absolute value, linear, quadratic, polynomial, rational, radical, exponential, logarithmic, and trigonometric equations, functions and their applications, polar coordinates, vectors, and linear and non-linear systems. Graphing calculators may be required. Since MATH 39 and MATH 38A/B are equivalent courses, credit may be awarded for either MATH 39 or MATH 38A/MATH 38B but not both. (UC, CSU)

### **MATH 40EX Preparation for Calculus I**

**Units:** 6

**Hours:** 90 hours LEC; 54 hours

LAB

**Grade Options:** Letter Grade

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process. This course is intended to strengthen knowledge and skills necessary for success in Calculus. Critical thinking and use of appropriate mathematical notation and vocabulary will be emphasized. Topics from Algebra, Trigonometry and Precalculus, including but not limited to techniques for solving equations, analysis and use of functions, and graphing will be covered. This course includes time to review and practice essential prerequisite skills as needed. (CSU)

### **MATH 71 Corequisite Support for Precalculus I**

**Units:** 2

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

**Corequisites:** MATH 38A Precalculus I.

**Advisories:** Successful completion of Intermediate Algebra or appropriate placement as determined by the multiple measures assessment process. This course is designed to provide support for students concurrently enrolled in MATH 38A Precalculus I. Fundamental algebra concepts and methods will be reviewed. Units earned in this course do not count toward the associate degree.

### **MATH 101 Corequisite Mathematics Support for BSTEM Courses**

**Units:** 0

**Hours:** 36 hours LEC

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Every term

**Corequisites:** BUS 1A, BUS 1B, BUS 3, BUS 4, BIOL 1, BIOL 32, BUS 67, CHEM 1A, CHEM 3A, ECON 3, ECON 5, ENGR 1, GEOL 1A, GEOL 1B, GEOL 2, GEOL 5, GEOL 5A, GEOL 15, GEOL 16, MATH 1, MATH 13, MATH 20, MATH 37, MATH 38A, MATH 38B, MATH 39, or STAT C1000 This course is designed to provide mathematics support for students concurrently enrolled in a transfer-level Business or STEM course, as listed in the corequisites. Fundamental arithmetic, algebra

concepts, and methods will be reviewed. Hours: 36 lecture. Grading Option: P/NP Only.

### **MATH 102 Corequisite Support for Calculus I**

**Units:** 0

**Hours:** 18 hours LEC; 54 hours LAB

**Grade Options:** Pass/No Pass

**Corequisites:** MATH 1.

This noncredit course is designed to provide support for students concurrently enrolled in Math 1 – Calculus I. Students in this class will receive support in the prerequisite skills, competencies, and concepts needed for success in Math 1 – Calculus I. Students will receive instruction in algebra, trigonometry, precalculus, and other skills. Grading will be on a pass/no pass basis. Noncredit courses may be repeated.

## **Mechanical Technology: Apprenticeship**

### **A-MEC 74A Basic Welding**

**Units:** 2

**Hours:** 18 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce basic welding skills. The course includes the basic theory, practice and application of arc welding and of oxy-acetylene cutting and welding.

### **A-MEC 74B Machine Shop**

**Units:** 2

**Hours:** 18 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:**

Student is a registered State indentured apprentice.

This course is designed to introduce fundamental machine shop practices. The course includes safety procedures, lathe operation, mill operation, drilling operations, and print reading.

## **Music**

### **MUSIC 1 Music Fundamentals**

## COURSE DESCRIPTIONS

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1; IGETC Area 3A

**Term Typically Offered:** Every term

This course is designed for the student who wants a beginning background in the theory of music. No knowledge of music or music theory is assumed. The course includes: basic musical notation, rhythm and meter, major and minor scales, major and minor key signatures, intervals and inversions, triads (major, minor, diminished and augmented), some seventh chords, inversions of triads and seventh chords, elementary formal and harmonic analysis, and ear training for all of the above, plus some sight reading and melodic dictation. Some knowledge of keyboard will be included. This is NOT a music major course. (HBCU, UC, CSU)

### **MUSIC 3A Music Theory and Musicianship I**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is the review of the rudiments of musical notation, scales, key signatures, intervals, triads, and inversions of triads. Emphasis is placed on analysis, creations of melodies based upon techniques of various musical periods, and four-part chorale-style harmony. In addition, the course includes sight singing and ear training of pentatonic and diatonic melodies, two-part rhythm exercises, simple keyboard harmony drills, beginning self-accompanied singing exercises, melodic, harmonic, and rhythm dictation, and sight singing. (UC, CSU, C-ID MUS 120 and MUS 125)

### **MUSIC 3B Music Theory and Musicianship II**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** MUSIC 3A Music Theory and Musicianship I with a grade of "C" or better.

This course is the continuation of

MUSIC 3A beginning with the construction of an underlying tonal harmonic (triadic) continuum. Emphasis will be on chord connection, employment of triadic inversions, and study of basic harmonic rhythm leading to the creation of two-, three-, and four-part textures. In addition, the course includes ear training and sight singing of more advanced diatonic melodies, three-part rhythmic exercises, keyboard harmony exercises, self-accompanied singing exercises, melodic, harmonic, contrapuntal, and dictation. (UC, CSU, C-ID MUS 130, C-ID MUS 135)

### **MUSIC 3C Music Theory and Musicianship III**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** MUSIC 3B Music Theory and Musicianship II with a grade of "C" or better.

This course is the continuation of MUSIC 3B. Emphasis will be on developing an understanding of 19th century harmonic practice, including altered and extended chords, work in advanced modulation procedures, and more sophisticated progressions. Writing for the keyboard and other instrumental and vocal combinations will be encouraged. In addition, the course includes ear training and sight singing of diatonic and chromatic melodies and advanced two- and three-part rhythmic exercises, self-accompanied singing exercises, keyboard harmony, and dictation. (UC, CSU, C-ID MUS 140, C-ID MUS 145)

### **MUSIC 3D Music Theory and Musicianship IV**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** MUSIC 3C Music Theory and Musicianship III with a grade of "C" or better.

This course is the continuation of MUSIC 3C. Emphasis will be on the examination of impressionistic devices, quartal harmony, non-tonal and atonal compositional processes, and 20th century

Western music. In addition, the course includes ear training and sight singing of diatonic and chromatic melodies and more advanced four-part rhythmic exercises, advanced melodic, contrapuntal, and four-part chorale style dictation. (UC, CSU, C-ID MUS 150, C-ID MUS 155)

### **MUSIC 4 Exploring Music**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1; IGETC Area 3A

**Term Typically Offered:** Every term

This course is an exploration of growth and development of music from the 11th Century to the present. This course includes forms and styles used in Western art and surveys those factors influencing popular, rock, and commercial music as well as music used for live theater and in films. This is not a music major course. (HBCU, UC, CSU, C-ID MUS 100)

### **MUSIC 5 Selected Topics: Music**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of music not already covered by existing curriculum. (CSU)

### **MUSIC 7 Excursions in Music of Our World**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C1; IGETC Area 3A

**Term Typically Offered:** Every term

This course is a survey of non-western music. It addresses cultures that exhibit a minimum of western (European and American) influence from major geographic regions of the world including Australia, China, Japan, Indonesia, India, Turkey, the Arabic Middle East, eastern and western central Africa, South America, and native North America. (HBCU, UC, CSU)

### **MUSIC 8 Exploring Jazz, Ragtime, and Blues**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade

## COURSE DESCRIPTIONS

**General Education:** Delta Area 3; CSU Area C1; IGETC Area 3A

**Term Typically Offered:** Every term

This course is a survey of musical history and literature of jazz, ragtime, and blues in the United States. The course pursues an in-depth study of the genres, styles, and musical personalities involved in this unique American art form from the late nineteenth-century to the present. (HBCU, UC, CSU)

### **MUSIC 9 Exploring Pop and Rock Music**

**Units:** 3

**Hours:** 54 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade Only; No Incomplete

**Term Typically Offered:** Every term

This course explores the development of popular and rock music styles, including the social, political, cultural, and economic issues surrounding the various time periods. The course will take an in-depth study into the genres, styles, and personalities throughout the 20th century to the present times. (UC, CSU)

### **MUSIC 12A Class Voice**

**Units:** 0.5

**Hours:** 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is the development of techniques for the solo voice. The principles of posture, breathing, diction, vocal anatomy, tone production, and presentation of one's self in public performances are stressed. Individual performance in class is a requirement. (HBCU, UC, CSU)

### **MUSIC 15 Delta Singers**

**Units:** 1

**Hours:** 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Corequisites:** MUSIC 17 Concert Choir.

**Limitations on Enrollment:** Qualified Performer.

This course is designed to develop the art of singing in the small choral ensemble. The choir consists of 20-30 members and includes the singing of choral masterworks from all historical periods for the chamber choir. Sight-reading and proper vocal techniques are also

stressed. The student may receive credit in this course for a maximum of four semesters. This course is repeatable as per Title 5, section 55041(a)(1). (HBCU, UC, CSU)

### **MUSIC 17 Concert Choir**

**Units:** 1

**Hours:** 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This course is designed to develop the art of singing in the large choral ensemble. This ensemble stresses singing repertoire specifically composed for the large choir from all historical periods. Sight-reading and proper vocal technique are also stressed. The student may receive credit in this course for a maximum of four semesters. (UC, CSU, C-ID MUS 180)

### **MUSIC 20A Voice for Musical Theatre I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This course explores the topics of vocal production techniques for the novice musical theater performer. The principles of breath support, tone quality, beginning choreography and staging are stressed. (HBCU, UC, CSU)

### **MUSIC 20B Voice for Musical Theatre II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 20A Voice for Musical Theatre I with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is the study and development of vocal production techniques for the intermediate musical theater performer. The principles of posture, solo diction, belting, intermediate-level choreography and staging are stressed. Emphasis is also placed on the performance of bit/minor roles in the musical theater genre. (HBCU, UC, CSU)

### **MUSIC 20C Voice for Musical Theatre III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 20B Voice for Musical Theatre II with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is the study and development of vocal production techniques for the advanced musical theater performer ready for supporting acting roles. The principles of singing movement and gestures, soloist diction, advanced belting, advanced-level choreography, and advanced staging are stressed. Emphasis is also placed on the performance of supporting roles in the musical theater genre. (HBCU, UC, CSU)

### **MUSIC 20D Voice for Musical Theatre IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 20C Voice for Musical Theatre III with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is the study and development of vocal techniques for the advanced musical theater performer ready for leading roles in productions. The principles of advanced stage movement and gestures, advanced lyric diction, advanced belting, advanced choreography, and advanced staging as a lead character are stressed. Emphasis is also placed on the advanced audition techniques and audition repertoire. (HBCU, UC, CSU)

### **MUSIC 26 Symphonic Band**

**Units:** 1-2

**Hours:** 64-126 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the rehearsal and performance of symphonic band literature with emphasis on sight-reading and public performance. The student may receive credit in this course for a maximum of four semesters. This

## COURSE DESCRIPTIONS

course is repeatable as per Title 5, section 55041(a)(1). (UC, CSU, C-ID MUS 180)

### **MUSIC 27 Orchestra**

**Units:** 1-2

**Hours:** 64-126 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:** Qualified Performer.

This course is dedicated to the rehearsal and performance of orchestral literature with emphasis on sight reading and public performance. The student may receive credit in this course for a maximum of four semesters. This course is repeatable as per Title 5, section 55041(a)(1). (HBCU, UC, CSU, C-ID MUS 180)

### **MUSIC 28 Concert Band**

**Units:** 1

**Hours:** 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:** Qualified Performer.

This course is dedicated to the rehearsal and performance of concert band literature with emphasis on sight reading and public performance. The group performance a great variety of concert band music from traditional to contemporary. The student may receive credit in this course for a maximum of four semesters. A minimum of high school band experience required. This course is repeatable as per Title 5, section 55041(a)(1). (CSU)

### **MUSIC 29 Jazz Band**

**Units:** 1-2

**Hours:** 64-126 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:** Qualified Performer.

This course is dedicated to the rehearsal and performance of jazz band literature with emphasis on sight-reading and public performance. The course includes concentration on the techniques and styles of jazz, jazz-rock, and improvisation. The student may receive credit for this course for a maximum of four semesters. (UC, CSU, C-ID MUS 180)

### **MUSIC 30A Class Guitar**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is a first course in development of techniques for the guitar. There is an emphasis on building chord vocabulary sufficient to accompany wide vocal ranges and learning to read music. (UC, CSU)

### **MUSIC 30B Class Guitar**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 30A Class Guitar with a grade of "C" or better. This course is a second course in guitar. The course includes upper position chord routines, transposition, notation, solo playing, and essentials of the classic guitar. (UC, CSU)

### **MUSIC 32 Delta Vocal Jazz**

**Units:** 1

**Hours:** 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This course is designed for the student interested in the field of commercial music and entertainment. The ensemble consists of singer, backup instrumentalists, and technical crew who work together to study and perform selected musical arrangements. Opportunity for solo singing is frequent. The course stresses the study and performance of the unique American idioms of vocal jazz and songs of the American Musical Theater. The study of proper vocal technique, stage presence, and stage movement are also stressed. The student may receive credit for this course for a maximum of four semesters. This course is repeatable as per Title 5, section 55041(a)(1). (HBCU, UC, CSU)

### **MUSIC 36A Class Piano**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed for the student who wishes to play the piano for enjoyment and pleasure

or who needs to use the instrument as a future elementary school teacher. (UC, CSU)

### **MUSIC 36B Class Piano II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 36A Class Piano with a grade of "C" or better. This course is the continuation of Class Piano with an emphasis on scales, left hand accompaniment models and an introduction to compound time signatures. (HBCU, UC, CSU)

### **MUSIC 36C Class Piano III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 36B Class Piano II with a grade of "C" or better.

This course is a continuation of Class Piano with an emphasis on Alberti bass and waltz patterns, minor scales and intermediate level pieces from composers including Bach, Beethoven, and Mozart. (UC, CSU)

### **MUSIC 36D Class Piano IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 36C Class Piano III with a grade of "C" or better.

This course is a continuation of Class Piano with an emphasis on pieces that require independence of both hands, harmonizing melodies, improvisation and technical exercises for building technique. (HBCU, UC, CSU)

### **MUSIC 38A Class Piano for Music Majors I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to basic keyboard skills for students majoring in music. Emphasis will be on five-finger positions, primary chord progressions and pieces with basic harmony. (HBCU, UC, CSU)

**MUSIC 38B Class Piano for Music Majors II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 38A Class Piano for Music Majors I with a grade of "C" or better.

This course is a continuation of 38A with an emphasis on scales, arpeggios, sight-reading, accompaniment patterns and easy classical pieces. (HBCU, UC, CSU)

**MUSIC 38C Class Piano for Music Majors III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 38B Class Piano for Music Majors II with a grade of "C" or better.

This course is a continuation of MUSIC 38B with an emphasis on intermediate level literature with a variety of accompaniments and further development of technical skills, chord progressions and scales. (HBCU, UC, CSU)

**MUSIC 38D Class Piano for Music Majors IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 38C Class Piano for Music Majors III with a grade of "C" or better.

This course is a continuation of MUSIC 38C and will emphasize repertoire at the level of Bach two-part inventions and Clementi Sonatinas. The student will be given a mock piano proficiency exam. (HBCU, UC, CSU)

**MUSIC 40A Applied Music**

**Units:** 0.5-2

**Hours:** 27-108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:** Qualified Performer.

This course is designed for individual, applied study of the student's principal performing medium and is an integral component for the developing musician. The course focuses on development of individual performance skills, as well as solo

and orchestral repertoire for the first semester Music Major. The student completes a minimum of fifteen private lessons per semester and one hour of class instruction per week. Audition is required. All music majors are expected to continue progress toward the completion of the degree through enrollment in a large ensemble and the Music Theory sequence (MUSIC 3A, 3B, 3C, or 3D). Students out of the Music Theory sequence may substitute MUSIC 1, 36, or 38 until such time they can re-enter the Music Theory sequence. (UC, CSU, C-ID MUS 160)

**MUSIC 40B Applied Music**

**Units:** 0.5-2

**Hours:** 27-108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 40A Applied Music with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is designed for individual, applied study of the student's principal performing medium and is an integral component for the developing musician. The course focuses on development of individual performance skills, as well as solo and orchestral repertoire for the second semester music major. The student completes a minimum of fifteen private lessons per semester and one hour of class instruction per week. All music majors are expected to continue progress toward the completion of the degree through enrollment in a large ensemble and the Music Theory sequence (Music 3A, 3B, 3C, or 3D). Students out of the Music Theory sequence may substitute Music 1, Music 36, or Music 38 until such time they can re-enter the Music Theory sequence. (UC, CSU, C-ID MUS 160)

**MUSIC 40C Applied Music**

**Units:** 0.5-2

**Hours:** 27-108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 40B Applied Music with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is designed for individual, applied study of the student's principal performing

medium and is an integral component for the developing musician. The course focuses on development of individual performance skills, as well as solo and orchestral repertoire for the third semester music major. The student completes a minimum of fifteen private lessons per semester and one hour of class instruction per week. All music majors are expected to continue progress toward the completion of the degree through enrollment in a large ensemble and the Music Theory sequence (MUSIC 3A, 3B, 3C, or 3D). Students out of the Music Theory sequence may substitute MUSIC 1, 36, or 38 until such time they can re-enter the Music Theory sequence. (UC, CSU, C-ID MUS 160)

**MUSIC 40D Applied Music**

**Units:** 0.5-2

**Hours:** 27-108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 40C Applied Music with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is designed for individual, applied study of the student's principal performing medium and is an integral component for the developing musician. The course focuses on development of individual performance skills, as well as solo and orchestral repertoire for the fourth semester music major. The student completes a minimum of fifteen private lessons per semester and one hour of class instruction per week. All music majors are expected to continue progress toward the completion of the degree through enrollment in a large ensemble and the Music Theory sequence (MUSIC 3A, 3B, 3C, or 3D). Students out of the Music Theory sequence may substitute MUSIC 1, 36, or 38 until such time they can re-enter the Music Theory sequence. (UC, CSU, C-ID MUS 160)

**MUSIC 41 Introduction to Media Arts, Music and Recording Technology**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

## COURSE DESCRIPTIONS

### **Advisories:** MUSIC 1.

This course is a survey of current trends and tools in media production. Topics include music notation, sequencing and Musical Instrument Digital Interface (MIDI), audio recording, editing, synthesis, multimedia, content authoring, Internet applications, terminology, and career paths in the media industry. (HBCU, CSU)

### **MUSIC 42A Audio Recording Techniques I**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

### **Advisories:** MUSIC 1.

This course is an introduction to the principles and practices of studio recording. Topics covered include: acoustics and the physical properties of sound, basic recording techniques, studio protocol, mixing consoles, microphone selection and placement, multi-track recording, audio processing, mixing, and current industry production values. (HBCU, CSU)

### **MUSIC 42B Audio Recording Techniques II**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 42A Audio Recording Techniques I with a grade of "C" or better.

This is the second course in the recording series. This lecture and "hands-on" lab class builds on topics covered in MUSIC 42A. It focuses on digital recording techniques, large format mixing consoles, basic and advanced microphone placement, session procedures, and mixdown. The entire recording process is covered from preproduction to mastering. Students gain experience by performing tracking, overdub, and mixing sessions. (HBCU, CSU)

### **MUSIC 44 Audio Postproduction Techniques**

**Units:** 3

**Advisories:** MUSIC 42A with a grade of "C" or better.

This course is the study of the techniques for audio production and audio post-production for movie and video soundtracks, radio and

television programming, commercials, and video games. Topics include voice over, automatic dialogue replacement (ADR), Foley recording, dialog editing, music editing, surround sound mixing, sound effects, capturing and processing audio effects, and audio processing techniques. (CSU)

### **MUSIC 45 Songwriting and Concept Development**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** MUSIC 1 with a grade of "C" or better.

This course is the study of songwriting and concept development from initial idea to its realization in a musical style. Topics include: developing marketable ideas, analysis of target markets, characteristics of diverse musical styles, steps in adapting ideas to styles, song writing and arranging. (CSU)

### **MUSIC 50SS Special Studies: Music**

**Units:** 1-4

**Hours:** 48-216 hours

INDEPENDENT STUDY

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed to allow the qualified student to do advanced work in the field of Music. The course includes research, directed reading, field work or other advanced study which must be arranged and approved by the instructor and the dean before enrolling in the course. (CSU)

### **MUSIC 51A Woodwind Ensemble I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the rehearsal and performance of woodwind literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform woodwind ensemble literature of at least grade 3. The course includes sight-reading and public performance. (HBCU, UC, CSU)

### **MUSIC 51B Woodwind Ensemble II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 51A

Woodwind Ensemble I with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the rehearsal and performance of woodwind literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform woodwind ensemble literature of at least grade 4. The course includes sight-reading and public performance. (HBCU, UC, CSU)

### **MUSIC 51C Woodwind Ensemble III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 51B

Woodwind Ensemble II with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the rehearsal and performance of woodwind literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform woodwind ensemble literature of at least grade 5. The course includes sight-reading and public performance. (HBCU, UC, CSU)

### **MUSIC 51D Woodwind Ensemble IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

## COURSE DESCRIPTIONS

**Prerequisites:** MUSIC 51C Woodwind Ensemble III with a grade of "C" or better.

**Limitations on Enrollment:** Qualified Performer.

This course is dedicated to the rehearsal and performance of woodwind literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform woodwind ensemble literature including grade 6 (advanced collegiate and professional difficulty music). The course includes sight-reading and public performance. (HBCU, UC, CSU)

### **MUSIC 52A Brass Ensemble I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:** Qualified Performer.

This course is dedicated to the rehearsal and performance of brass literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform brass ensemble literature of at least grade 3. The course includes sight-reading and public performance. (HBCU, UC, CSU)

### **MUSIC 52B Brass Ensemble II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 52A Brass Ensemble I with a grade of "C" or better.

**Limitations on Enrollment:** Qualified Performer.

This course is dedicated to the rehearsal and performance of brass literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform brass ensemble literature of at least grade 3.5. The course includes sight-reading and public performance. (UC, CSU)

### **MUSIC 52C Brass Ensemble III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 52B Brass Ensemble II with a grade of "C" or

better.

**Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the rehearsal and performance of brass literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform brass ensemble literature of at least grade 4.5. The course includes sight-reading and public performance. (UC, CSU)

### **MUSIC 52D Brass Ensemble IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 52C Brass Ensemble III with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the rehearsal and performance of brass literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform brass ensemble literature including grade 6 (advanced collegiate and professional difficulty music). The course includes sight-reading and public performance. (UC, CSU)

### **MUSIC 53A Percussion Ensemble I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:** Qualified Performer.

This course is dedicated to the rehearsal and performance of percussion literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform percussion ensemble literature of at least grade 3 and will be introduced to the primary percussion instruments of snare drum, mallet instruments, and timpani. The course includes sight-reading and public performance. (UC, CSU)

### **MUSIC 53B Percussion Ensemble II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 53A

Percussion Ensemble I with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the rehearsal and performance of percussion literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform percussion ensemble literature of at least grade 4 and will be introduced to a wider variety of instruments, including drum set and instruments from various cultures. The course includes sight-reading and public performance. (HBCU, UC, CSU)

### **MUSIC 53C Percussion Ensemble III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 53B Percussion Ensemble II with a grade of "C" or better.

**Limitations on Enrollment:** Qualified Performer.

This course is dedicated to the rehearsal and performance of percussion literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform percussion ensemble literature of at least grade 5 and will develop an intermediate technique on snare drum, mallet instruments, timpani, and a wide range of instruments from various cultures. The course includes sight-reading and public performance. (HBCU, UC, CSU)

### **MUSIC 53D Percussion Ensemble IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 53C Percussion Ensemble III with a grade of "C" or better.

**Limitations on Enrollment:** Qualified Performer.

This course is dedicated to the rehearsal and performance of percussion literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform percussion ensemble literature including grade 6 difficulty

## COURSE DESCRIPTIONS

and will develop an advanced technique on snare drum, mallet instruments, timpani, and a wide variety of instruments from various cultures. The course includes sight-reading and public performance. (HBCU, UC, CSU)

### **MUSIC 56 Mariachi Ensemble**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade Only; No Incomplete

**Term Typically Offered:** Every term

#### **Limitations on Enrollment:**

Qualified Performer.

This course is a mixed ensemble of instruments and voices for the study and performance of Mariachi repertoire. The ensemble is open by audition. This course is repeatable as per Title 5 Section 55041(a)(1). (UC, CSU)

### **MUSIC 57A Guitar Ensemble I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

#### **Limitations on Enrollment:**

Qualified Performer.

**Advisories:** MUSIC 30B with a grade of "C" or better.

This course is for beginning guitarists and is dedicated to playing in various sizes of ensembles. Emphasis will be on majors scales and arpeggios, beginning finger technique, Baroque ornamentation, vibrato, and proper rest stroke articulations and mechanics. (HBCU, UC, CSU)

### **MUSIC 57B Guitar Ensemble II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 57A Guitar Ensemble I with a grade of "C" or better.

#### **Limitations on Enrollment:**

Qualified Performer.

This course is for intermediate guitarists and is dedicated to playing in various sizes of ensembles. Emphasis will be on first position minor scales and arpeggios, free stroke articulations, extended left-hand techniques, accompaniment fundamentals and intermediate classical finger techniques. (HBCU, UC, CSU)

### **MUSIC 57C Guitar Ensemble III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 57B Guitar Ensemble II with a grade of "C" or better.

#### **Limitations on Enrollment:**

Qualified Performer.

This course is for advanced-intermediate guitarists and is dedicated to playing in various sizes of ensembles. Emphasis will be on minor scales in several positions, extended right-hand techniques, multiple line playing, right-hand voice balancing and left-hand legato playing with thumb accompaniment patterns. (HBCU, UC, CSU)

### **MUSIC 57D Guitar Ensemble IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 57C Guitar Ensemble III with a grade of "C" or better.

#### **Limitations on Enrollment:**

Qualified Performer.

This course is for advanced guitarists and is dedicated to playing in various sizes of ensembles. Emphasis will be on scales in a variety of positions with alternate fingerings, seventh chord arpeggios, upper register playing, contemporary notation, duos with one person per part. (HBCU, UC, CSU)

### **MUSIC 58A String Orchestra I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

#### **Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the rehearsal and performance of level 3 repertoire for string orchestra. Emphasis on elementary bowing techniques, basic left-hand finger patterns and one octave major and minor scales in first position. The course includes sight-reading and public performance. (UC, CSU)

### **MUSIC 58B String Orchestra II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every

term

**Prerequisites:** MUSIC 58A String Orchestra I with a grade of "C" or better.

#### **Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the rehearsal and performance of level 3.5 repertoire for string orchestra. Emphasis on 2nd and 3rd positions, double stops, intro to shifting and arpeggios. The course includes sight-reading and public performance. (HBCU, UC, CSU)

### **MUSIC 58C String Orchestra III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 58B String Orchestra II with a grade of "C" or better.

#### **Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the rehearsal and performance of level 5 repertoire for string orchestra. Emphasis on 3rd and 4th positions, 3-4 string double stops/chords, bariolage and hand/wrist vibrato. The course includes sight-reading and public performance. (HBCU, UC, CSU)

### **MUSIC 58D String Orchestra IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 58C String Orchestra III with a grade of "C" or better.

#### **Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the rehearsal and performance of level 5 repertoire for string orchestra. Emphasis on advanced bowing techniques, 6th, 7th and 8th positions, and contraction patterns in the left hand. The course includes sight-reading and public performance. (HBCU, UC, CSU)

### **MUSIC 61 Studio Band**

**Units:** 1

**Hours:** 72 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

#### **Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the rehearsal and performance of commercial band literature with

## COURSE DESCRIPTIONS

emphasis on sight reading and public performance. The student may receive credit in this course for a maximum of four semesters. This course is repeatable as per Title 5, section 55041(a)(1). (HBCU, UC, CSU)

### **MUSIC 63A Jazz Improvisation I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the theory and practice of jazz fundamentals and improvisation. The course will include application of basic jazz progressions, idiomatic jazz language and how to solo over common standards and blues. (HBCU, UC, CSU)

### **MUSIC 63B Jazz Improvisation II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 63A Jazz Improvisation I with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is a continuation of MUSIC 63A. Concepts covered will be ii-V-I progressions in major and minor keys, seventh chord arpeggios and digital patterns. These concepts will be applied to jazz standards. (HBCU, UC, CSU)

### **MUSIC 63C Jazz Improvisation III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 63B Jazz Improvisation II with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is a continuation 63B. Concepts covered will be: bebop scales, modes of melodic minor scale, modal and hard bop compositions and altered dominant chords. (HBCU, UC, CSU)

### **MUSIC 63D Jazz Improvisation IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every

term

**Prerequisites:** MUSIC 63C Jazz Improvisation III with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is a continuation of MUSIC 63C. Topics will include: lydian, whole-tone and diminished scales, chromatic modal harmony and Coltrane changes. (HBCU, UC, CSU)

### **MUSIC 64A Jazz Combo I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to rehearsal and performance of literature for small jazz combo in the bebop style. Included in the jazz combo are piano, bass, and drums as well as various other solo instruments. Emphasis includes improvisation, sight-reading, and performance. (HBCU, UC, CSU)

### **MUSIC 64B Jazz Combo II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 64A Jazz Combo I with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to rehearsal and performance of literature for small jazz combo in the hard bop style. Included in the jazz combo are piano, bass, and drums as well as various other solo instruments. Emphasis includes improvisation, sight-reading, and performance. (HBCU, UC, CSU)

### **MUSIC 64C Jazz Combo III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 64B Jazz Combo II with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to rehearsal and performance of literature for small jazz combo in the post bop style. Included in the jazz combo are piano, bass, and

drums as well as various other solo instruments. Emphasis includes improvisation, sight-reading, and performance. (HBCU, UC, CSU)

### **MUSIC 64D Jazz Combo IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** MUSIC 64C Jazz Combo III with a grade of "C" or better.

**Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to rehearsal and performance of literature for small jazz combo in contemporary styles. Included in the jazz combo are piano, bass, and drums as well as various other solo instruments. Emphasis includes improvisation, sight-reading, and performance. (HBCU, UC, CSU)

### **MUSIC 75 Selected Topics: Music**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Music not already covered by the existing curriculum.

### **MUSIC 101 Piano for Older Adults**

**Units:** 0

**Hours:** 54 hours LAB

**Grade Options:** No Grade Associated

**Term Typically Offered:** Every term

This noncredit course is designed to give the students an opportunity to work with the piano. Emphasis will be working as an individual as well as in ensemble settings.

### **MUSIC 102 Creative Seniors:**

**Music**

**Units:** 0

**Hours:** 54 hours LAB

**Grade Options:** No Grade Associated

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This noncredit course is designed to give students an opportunity to work with a number of studio instruments. The course emphasizes individual work as well as work in ensemble settings.

## COURSE DESCRIPTIONS

### **MUSIC 115 Delta Singers for Seniors**

**Units:** 0

**Hours:** 72 hours LAB

**Grade Options:** No Grade Associated

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This noncredit course is designed to develop the art of singing in the small choral ensemble. The choir will consist of 20-30 members and includes the singing of choral masterworks from all historical periods for the chamber choir. Sight-reading and proper vocal techniques are also stressed. This noncredit course may be repeated.

### **MUSIC 117 Concert Choir for Seniors**

**Units:** 0

**Hours:** 72 hours LAB

**Grade Options:** No Grade Associated

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This course is designed to develop the art of singing in the large choral ensemble. This ensemble stresses the singing of choral masterworks for the large choir from all historical periods. Sight-reading and proper vocal technique also are stressed.

### **MUSIC 126 Symphonic Band for Seniors**

**Units:** 0

**Hours:** 72-126 hours LAB

**Grade Options:** No Grade Associated

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

**Advisories:** MUSIC 26 with a grade of "C" or better.

This course is dedicated to the rehearsal and performance of symphonic band literature with emphasis on sight reading and public performance.

### **MUSIC 128 Concert Band for Seniors**

**Units:** 0

**Hours:** 72 hours LAB

**Grade Options:** No Grade Associated

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This course is dedicated to the

rehearsal and performance of concert band literature with emphasis on sight reading and public performance. This ensemble is open to all members of the community with at least high school concert band playing experience.

### **MUSIC 132 Delta Vocal Jazz for Seniors**

**Units:** 0

**Hours:** 72 hours LAB

**Grade Options:** No Grade Associated

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This noncredit course is designed for the advanced student interested in the field of commercial music and entertainment. The ensemble consists of singer, backup instrumentalists, and technical crew who work together to study and perform selected musical arrangements. Opportunity for solo singing is frequent. The course stresses the study and performance of the unique American idioms of vocal jazz and songs of the American Musical Theater. The study of proper vocal technique, stage presence, and stage movement are also stressed. This noncredit course may be repeated.

### **MUSIC 140 Applied Music for Seniors**

**Units:** 0

**Hours:** 54-108 hours LAB

**Grade Options:** No Grade Associated

**Limitations on Enrollment:**

Qualified performer.

This noncredit course is designed for individual applied study of the student's principal performing medium and is an integral component for the developing musician. The course focuses on the development of individual performance skills, as well as solo and orchestral repertoire for the non-music major. The student completes a minimum of fifteen private lessons per semester and one hour of class instruction per week. Students are required to perform solo juries in front of faculty each semester. The course meets the needs of Seniors by accommodating their physical abilities and utilizing their unique related experiences and knowledge. Noncredit courses may be repeated.

### **MUSIC 151 Woodwind Ensemble for Seniors**

**Units:** 0

**Hours:** 54 hours LAB

**Grade Options:** No Grade Associated

**Limitations on Enrollment:**

Qualified performer.

This noncredit course is dedicated to the rehearsal and performance of woodwind literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform woodwind ensemble literature of at least grade 3. The course includes sight-reading and public performance. The course meets the needs of Seniors by accommodating their physical abilities and utilizing their unique related experiences and knowledge. Transfer-ability: C - Not transferable Noncredit courses may be repeated.

### **MUSIC 152 Brass Ensemble for Seniors**

**Units:** 0

**Hours:** 54 hours LAB

**Grade Options:** No Grade Associated

**Limitations on Enrollment:**

Qualified performer.

This noncredit course is dedicated to the rehearsal and performance of brass literature for various combinations of duets, trios, quartets and larger chamber ensembles. Students in this course will perform brass ensemble literature of at least grade 3. The course includes sight-reading and public performance. The course meets the needs of Seniors by accommodating their physical abilities and utilizing their unique related experiences and knowledge. Noncredit courses may be repeated.

### **MUSIC 161 Studio Band for Seniors**

**Units:** 0

**Hours:** 72 hours LAB

**Grade Options:** No Grade Associated

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Qualified Performer.

This noncredit course is dedicated to the rehearsal and performance of jazz ensemble literature with emphasis on improvisation, sight reading and public performance.

## **Natural Resources**

### **N R 2 Environmental Science**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B2

**Term Typically Offered:** Every term

This course is designed to examine the need, importance, and philosophy of conservation of natural resources in our contemporary world. Human dependency on resources and an understanding of ecological principles and natural systems are emphasized. Topics include natural resource classification; history, importance, and methods of conservation; resource management issues; citizens' roles in conservation; and prospects for the future. Current environmental issues are discussed from local, national, and global perspectives. The course is designed to increase student's awareness of the importance of conservation of natural resources as a social and behavioral science and to increase student's participation in natural resource conservation. (HBCU, UC, CSU)

## **Nursing A.D.N.**

### **NURSADN 1 Fundamentals of Nursing Practice**

**Units:** 5

**Hours:** 45 hours LEC; 153 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:**

Admission to the Associate Degree Nursing Program.

This course presents foundational concepts for nursing practice through the framework of the Client Needs model. Nursing theory and basic skills are presented that enhance a safe and effective care environment. Behaviors that promote and maintain health are taught throughout the course. Psychosocial and physiological integrity are addressed through health assessment skills according to the nursing process. This course will incorporate a focus on cultural diversity, the health of the individual, family, and community by evaluation of health, wellness, and health disparities. This course

will incorporate a focus on the geriatric client, as appropriate, and the nutritional needs of all clients. A community project addressing the impact healthcare has on a specific adult culture is presented. The student will apply the Nursing Process to develop safe and effective practices that meet client needs. This course includes supervised clinical experiences in skills labs and health care facilities. (CSU)

### **NURSADN 2 Introduction Medical-Surgical Nursing**

**Units:** 5

**Hours:** 45 hours LEC; 153 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** NURSADN 1

Fundamentals of Nursing Practice with a grade of "C" or better.

**Limitations on Enrollment:**

Admission to the Associate Degree Nursing Program.

This course introduces beginning concepts of Medical-Surgical nursing through the Client Needs model. Course content includes perioperative nursing and basic principles meeting the needs of clients who are experiencing alterations in body systems. Health promotion and maintenance as well as psychosocial balance are presented. A community project in the area of health education and healthcare access is addressed. This course will incorporate a focus on the geriatric client, as appropriate, and nutritional needs of all clients. The student will apply the Nursing Process to develop safe and effective practices that meet client needs. This course includes supervised clinical experiences in skills labs and health care facilities. (CSU)

### **NURSADN 4 Maternal, Newborn, and Reproductive Health Nursing**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** NURSADN 2

Introduction Medical-Surgical Nursing with a grade of "C" or better.

**Limitations on Enrollment:**

Admission to the Associate Degree Nursing Program.

This course introduces concepts of reproductive, maternity and newborn nursing through the Client Needs Model. Course content includes both normal and complicated reproductive health including antepartum, intrapartum and postpartum nursing care as well as complications that may occur. A lifespan focus on the childbearing woman and family is addressed. Nursing care for clients with disorders of the reproductive system is also studied. This course will incorporate a focus on the geriatric client, as appropriate, and nutritional needs of all clients. A community project in the area of reproductive health promotion will be completed. The student will apply the Nursing Process to develop safe and effective practices that meet client needs. This course includes supervised clinical experiences in skills labs and health care facilities. (CSU)

### **NURSADN 5 Infancy Through Young Adult Nursing**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** NURSADN 2

Introduction Medical-Surgical Nursing with a grade of "C" or better.

**Limitations on Enrollment:**

Admission to the Associate Degree Nursing Program.

This course introduces concepts of caring for infant, child, adolescent and young adult populations through the Client Needs model, who experience a variety of health issues. Course content includes both normal developmental needs and also reviews disorders to all specific body systems, including the pediatric clients nutritional needs. Psychosocial needs of the pediatric population and families are presented. A community project in the area of infant, child adolescent and young adult health promotion will be completed. The student will apply the Nursing Process to develop practices that meet client needs. This course includes supervised clinical experiences in skills labs and health care facilities. (CSU)

## COURSE DESCRIPTIONS

### **NURSADN 6 Intermediate Medical-Surgical Nursing**

**Units:** 4.5

**Hours:** 36 hours LEC; 153 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** NURSADN 4

Maternal, Newborn, and Reproductive Health Nursing and NURSADN 5 Infancy Through Young Adult Nursing each with a grade of "C" or better.

**Limitations on Enrollment:**

Admission to the Associate Degree Nursing Program.

This course introduces intermediate concepts of Medical-Surgical nursing through the Client Needs model. Course content includes alterations of body systems with concentration in the maintenance of physiological integrity. Health promotion and maintenance as well as psychosocial balance are also advanced. A lifespan focus on the adult client with multiple medical-surgical disorders is offered. This course will incorporate a focus on the geriatric client, as appropriate, and nutritional needs of all clients. A community project in the area of client education and support for those with alterations of body systems will be completed. The student will apply the Nursing Process to develop safe and effective practices that meet client needs. This course includes supervised clinical experiences in skills labs and health care facilities. (CSU)

### **NURSADN 7 Mental Health and Psychiatric Nursing**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Limitations on Enrollment:**

Admission to the Associate Degree Nursing Program.

This course presents principles of physiological and psychosocial integrity and how the nurse provides care through the Client Needs model. Course content includes mental health concepts and the nursing care of clients with psychiatric disorders. Therapeutic communication techniques, health education to promote a healthy lifestyle are emphasized. A community project in the area of substance abuse prevention and treatment will be completed. This

course will incorporate the psychosocial needs and the neuropsychiatric disorders affecting geriatric clients. A community project in the area of substance abuse prevention and treatment will be completed. The student will apply the Nursing Process to develop safe and effective practices that meet client needs. This course includes supervised clinical experiences in skills labs and health care facilities. (CSU)

### **NURSADN 8 Advanced Medical-Surgical Nursing**

**Units:** 5

**Hours:** 45 hours LEC; 153 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** NURSADN 6

Intermediate Medical-Surgical Nursing and NURSADN 7 Mental Health and Psychiatric Nursing each with a grade of "C" or better.

**Limitations on Enrollment:**

Admission to the Associate Degree Nursing Program.

This course introduces advanced concepts of Medical-Surgical nursing through the Client Needs model. Course content includes the care of clients with significant alterations in body systems that are life-threatening and/or pose potential for disability or death and that threaten physiological integrity. Health promotion and maintenance concepts are addressed. A lifespan focus on adults with multiple medical, surgical or complex disorders is offered. This course will incorporate a focus on the geriatric client, as appropriate, and nutritional needs of all clients. A community project in the area of client education and support for those with complex health issues will be completed. The student will apply the Nursing Process to develop safe and effective practices that meet client needs. This course includes supervised clinical experiences in skills labs and health care facilities. (CSU)

### **NURSADN 9 Transition to Nursing Practice**

**Units:** 5

**Hours:** 45 hours LEC; 153 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** NURSADN 8

Advanced Medical-Surgical Nursing with a grade of "C" or better.

**Limitations on Enrollment:**

Admission to the Associate Degree Nursing Program.

This course provides experience and content that assists the graduating student in preparation for practice. Emphasis is placed on advanced clients with multi-system and chronic disorders. Other topics addressed include leadership, management, and supervision, job-seeking and resume skills. In addition, a community project will be completed that assesses emergency preparedness of local populations. This course will incorporate a focus on the geriatric client, as appropriate, and nutritional needs of all clients. The student will apply the Nursing Process to develop safe and effective practices that meet client needs. This course includes supervised clinical experiences in skills labs and health care facilities. (CSU)

## **Nursing Psychiatric Technician**

### **NURSPT 10 Foundations of Nursing**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

**Prerequisites:** BIOL 31 Human

Anatomy or BIOL 33 Anatomy & Physiology and H S 19 Human Development and H S 36 Medical Terminology and Speech and PSYC C1000 Introduction to Psychology with a grade of "C" or better.

This course presents foundational concepts for nursing practice through the framework of the Client Needs model. Nursing theory and basic skills are presented that enhance a safe and effective care environment. Behaviors that promote and maintain health are taught. Psychosocial and physiological integrity are addressed through health assessment skills. The student will begin to apply the Nursing Process to develop safe and effective practices that meet client needs. (CSU)

### **NURSPT 10L Foundations of Nursing Lab**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

**Prerequisites:** BIOL 31 Human Anatomy or BIOL 33 Anatomy & Physiology and H S 19 Human Development and H S 36 Medical Terminology and Speech and PSYC C1000 Introduction to Psychology each with a grade of "C" or better.

**Corequisites:** NURSPT 10.

This course presents foundational concepts for nursing practice through the framework of the Client Needs model. Nursing theory and basic skills are presented that enhance a safe and effective care environment. Behaviors that promote and maintain health are taught. Psychosocial and physiological integrity are addressed through health assessment skills. The student will begin to apply the Nursing Process to develop safe and effective practices that meet client needs. This course includes supervised clinical experiences in skills labs and health care facilities. (CSU)

### **NURSPT 11 Medical Surgical Nursing I**

**Units:** 2.5

**Hours:** 45 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 10 Foundations of Nursing with a grade of "C" or better.

This course introduces beginning concepts of Medical-Surgical nursing through the Client Needs model. Course content includes perioperative nursing and basic principles meeting the needs of clients who are experiencing alterations in body systems. Health promotion and maintenance as well as psychosocial balance are presented. A lifespan focus on the geriatric client as well as meeting the needs of grieving and dying is offered. The student will use the Nursing Process as the vehicle for meeting client needs. (CSU)

### **NURSPT 11L Medical Surgical Nursing I Lab**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 10 Foundations of Nursing with a grade of "C" or better.

**Corequisites:** NURSPT 11 Medical Surgical Nursing I.

This course introduces beginning concepts of Medical-Surgical nursing through the Client Needs model. Course content includes perioperative nursing and basic principles meeting the needs of clients who are experiencing alterations in body systems. Health promotion and maintenance as well as psychosocial balance are presented. A lifespan focus on the geriatric client as well as meeting the needs of grieving and dying is offered. The student will use the Nursing Process as the vehicle for meeting client needs. This course includes supervised clinical experiences in skills labs and health care facilities. (CSU)

### **NURSPT 12 Medical Surgical Nursing II**

**Units:** 2.5

**Hours:** 45 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 11 Medical Surgical Nursing I with a grade of "C" or better.

This course introduces intermediate concepts of Medical-Surgical nursing through the Client Needs model. Course content includes nursing care of the client with common acute medical disorders of the cardiovascular, respiratory, neurological, musculoskeletal, genitourinary, and gynecological systems. The student will apply the Nursing Process to develop safe and effective practices that meet client needs. (CSU)

### **NURSPT 12L Medical Surgical Nursing II Lab**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 11 Medical Surgical Nursing I with a grade of "C" or better.

**Corequisites:** NURSPT 12. This course introduces intermediate concepts of Medical-Surgical nursing through the Client Needs model. Course content includes nursing care of the client with common acute medical disorders of the cardiovascular, respiratory, neurological, musculoskeletal, genitourinary, and gynecological systems. The student will apply the Nursing Process to develop safe and effective practices that meet client needs. This course includes supervised clinical experiences in

skills labs and health care facilities. (CSU)

### **NURSPT 20 Pharmacology I**

**Units:** 1.5

**Hours:** 27 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** BIOL 31 Human Anatomy or BIOL 33 Anatomy & Physiology and H S 36 Medical Terminology and Speech and H S 19 Human Development and PSYC C1000 Introduction to Psychology with a grade of "C" or better.

This course provides the student with an understanding of the role and responsibilities of the psychiatric technician in medication administration. Content includes an overview of basic pharmacological principles, terminology, legal and safety aspects of medication administration. Dosage calculation based on dimensional analysis will be taught. Topics covered include: introduction to drug classification, medications used in the treatment of developmental disorders, principles of psychobiology, psychopharmacology, and over the counter and alternative medications. (CSU)

### **NURSPT 21 Pharmacology II**

**Units:** 1.5

**Hours:** 27 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 20 Pharmacology I with a grade of "C" or better.

This course provides psychiatric technician students with drug information that includes pharmacotherapeutics, pharmacodynamics, pharmacokinetics, contraindications and precautions, adverse effects, and drug interactions, as well as client variables such as health status, life span, diet, lifestyle and habits, environment, and culture in relationship to drug therapy. Emphasis is placed on nursing responsibilities, such as maximizing therapeutic drug effects and minimizing adverse effects of drug therapy, appropriate client and family teaching, and ongoing assessment of the client. Opioid analgesics, anxiolytics, sedatives, hypnotics, anti-microbials, Anti-diabetics, and gastrointestinal, respiratory, Cardiovascular and Renal Medications are highlighted. (CSU)

## COURSE DESCRIPTIONS

### **NURSPT 22 Pharmacology III**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 20

Pharmacology I with a grade of "C" or better.

This course provides psychiatric technician students with the more complex dosage calculations using dimensional analysis. Content includes general principles of pharmacology, legal, ethical, and safety aspects of medication administration. Drug information includes pharmacotherapeutics, pharmacodynamics, pharmacokinetics, contraindications and precautions, adverse effects, and drug interactions, as well as client variables such as health status, life span and gender, diet, lifestyle and habits, environment, and culture in relationship to drug therapy. Emphasis is placed on nursing responsibilities such as maximizing therapeutic effects and minimizing, adverse effects of drug therapy, appropriate client and family teaching, and ongoing assessment of the client. Drugs highlighted include: central nervous system medications, non-steroidal anti-inflammatory drugs, endocrine, antivirals, immunosuppressants and cancer medications, antipsychotics, antidepressants, mood stabilizers, and drugs of abuse. (CSU)

### **NURSPT 30 Developmental Disabilities Nursing**

**Units:** 3.5

**Hours:** 63 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 10

Foundations of Nursing and NURSPT 10L Foundations of Nursing Lab each with a grade of "C" or better.

This course provides an introduction to developmental disabilities nursing through the Client Needs model. The nursing process is used to promote psychosocial integrity within the context of the health illness continuum across the life span. Topics include: orientation to developmental disabilities, client rights, assessment and intervention, behavioral analysis, etiologies, genetics, and ethical dilemmas. Emphasis is on nursing care, habilitation, adaptation, and normalization to maximize the individual's potential. The student will use the Nursing Process as the vehicle for meeting client needs. (CSU)

### **NURSPT 30L Developmental Disabilities Nursing Lab**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 10

Foundations of Nursing with a grade of "C" or better.

**Corequisites:** NURSPT 30.

This course provides an introduction to developmental disabilities nursing through the Client Needs model. The nursing process is used to promote psychosocial integrity within the context of the health illness continuum across the life span. Topics include: orientation to developmental disabilities, client rights, assessment and intervention, behavioral analysis, etiologies, genetics, and ethical dilemmas. Emphasis is on nursing care, habilitation, adaptation, and normalization to maximize an individual's potential. The student will use the Nursing Process as the vehicle for meeting client needs. Clinical experiences will provide opportunities for students to participate in therapeutic activities in a variety of settings. (CSU)

### **NURSPT 31 Advanced Developmental Disability Nursing**

**Units:** 3.5

**Hours:** 63 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 30

Developmental Disabilities

Nursing and NURSPT 30L

Developmental Disabilities Nursing Lab each with a grade of "C" or better.

This course broadens the student's understanding and knowledge of developmental disabilities nursing through the Client Needs model. The focus is on attention deficit and hyperactivity disorder, normalization and active treatment, technological assistance, innovations for independence, test and measurements, sensory and motor integration, nutritional needs of the individual with developmental disabilities, associated diseases, case management, critical thinking, cultural competency, end of life care, team building, leadership, supervision, and ethical conduct. Emphasis is on nursing care, habilitation, adaptation, and normalization to maximize an individual's potential. The student will apply the nursing process to develop safe and effective practices that meet client needs. (CSU)

### **NURSPT 31L Advanced Developmental Disability Nursing Lab**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 30

Developmental Disabilities Nursing with a grade of "C" or better.

**Corequisites:** NURSPT 31.

This course broadens the student's understanding and knowledge of developmental disabilities nursing through the Client Needs model. The focus is on attention deficit and hyperactivity disorder, normalization and active treatment, technological assistance, innovations for independence, test and measurements, sensory and motor integration, nutritional needs of the Individual with developmental disabilities, associated diseases, case management, critical thinking, cultural competency, end of life care, team building, leadership, supervision, and ethical conduct. Emphasis is on nursing care, habilitation, adaptation, and normalization to maximize an individual's potential. This is the laboratory portion of the course. Supervised clinical experiences will provide opportunities for students to participate in therapeutic activities in a variety of settings. The student will apply the nursing process to develop safe and effective practices that meet client needs. (CSU)

### **NURSPT 40 Psychiatric Nursing I**

**Units:** 3.5

**Hours:** 63 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 10L

Foundations of Nursing Lab and

NURSPT 10 Foundations of Nursing each with a grade of "C" or better.

This course is designed to prepare the student to provide care to mentally ill clients in acute and chronic psychiatric settings, through the Client Needs model. Emphasis is placed on ethics and legal issues, history of mental health and illness, treatment modalities, DSM IV T-R, group dynamics/group process, therapeutic relationships, communication and interviewing skills, documentation, assertiveness, client education, dissociative disorders, psychiatric illness associated with childhood and adolescence, social psychology, and prevention & management of assaultive behavior. The student will apply the

nursing process to develop safe and effective practices that meet client needs. (CSU)

**NURSPT 40L Psychiatric Nursing I Lab**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 10

Foundations of Nursing with a grade of "C" or better.

**Corequisites:** NURSPT 40.

This course is designed to prepare the student to provide care to mentally ill clients in acute and chronic psychiatric settings, through the Client Needs model. Emphasis is placed on ethics and legal issues, history of mental health and illness, treatment modalities, DSM IV & V, group dynamics/group process, therapeutic relationships, communication and interviewing skills, documentation, assertiveness, client education, dissociative disorders, psychiatric illness associated with childhood and adolescence, social psychology, and prevention & management of assaultive behavior. The student will apply the nursing process to develop safe and effective practices that meet client needs. This course includes supervised clinical experiences in skills labs and health care facilities. (CSU)

**NURSPT 41 Psychiatric Nursing II**

**Units:** 3.5

**Hours:** 63 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 10

Foundations of Nursing, NURSPT

10L Foundations of Nursing Lab,

NURSPT 40 Psychiatric Nursing

I each with a grade of "C" or better.

This course broadens the student's understanding and knowledge of psychiatric nursing through the Client Needs model. It presents mental health concepts related to community mental health, anxiety and anxiety disorders, personality disorders, schizophrenia and other psychotic disorders, nutritional needs of the client with a psychiatric disorder, affective (mood) disorders, psychiatric health & illness in the aging population, sexual and gender identity disorders, eating disorders, addiction and co-dependency, crisis intervention and suicide prevention, cultural diversity, institutionalization,

forensic nursing, and criminal thinking/psychopathology. (CSU)

**NURSPT 41L Psychiatric Nursing II Lab**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** NURSPT 40

Psychiatric Nursing I with a grade of "C" or better.

**Corequisites:** NURSPT 41.

This course broadens the student's understanding and knowledge of psychiatric nursing through the Client Needs model. It presents mental health concepts related to community mental health, anxiety and anxiety disorders, personality disorders, schizophrenia and other psychotic disorders, nutritional needs of the client with a psychiatric disorder, affective (mood) disorders, psychiatric health & illness in the aging population, sexual and gender identity disorders, eating disorders, addiction and co-dependency, crisis intervention and suicide prevention, cultural diversity, institutionalization, forensic nursing, and criminal thinking/psychopathology. This course includes supervised clinical experiences in skills labs and health care facilities. (CSU)

**NURSPT 186 Psychiatric Technician Licensure Exam Prep**

**Units:** 0

**Hours:** 18 hours LEC

**Grade Options:** Pass/No Pass

**Limitations on Enrollment:**

Admission to the Psychiatric

Technician Program.

This noncredit course prepares students that have completed or are nearing completion of the psychiatric technology program for the state administered licensing examination for psychiatric technicians. This course is also recommended for students who desire refresher training. Topics include, but are not limited to, nursing science – theory and techniques, basic nursing, developmental disabilities, medications, psychiatric mental health nursing. Also included are some basic test-taking techniques to increase proficiency on the state exam. Noncredit courses may be repeated.

**P E Activities**

**PEACTIV 1A Introductory Swimming**

**Units:** 1.5

**Hours:** 18 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This is an introductory course for the non-swimmer. Students will learn to adjust, both mentally and physically, to being in the water. (UC, CSU)

**PEACTIV 1B Survival Swimming**

**Units:** 1.5

**Hours:** 18 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 1A

Introductory Swimming with a grade of "C" or better.

This is a skill development course for the non-swimmer. Students will learn to adjust, both mentally and physically, to being in water. In addition, they will learn to build stroke stamina skills. (UC, CSU)

**PEACTIV 1C Swim for Health**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Swimmer must be able to swim 25 yards without assistance, as well as complete an aerobic swim workout for a minimum of 25 minutes.

This course is designed to help the introductory swimmer improve cardiovascular endurance through swimming and to teach sound individual conditioning techniques. Each student is pre-tested in various health and fitness components. (UC, CSU)

**PEACTIV 1D Swim Training and Conditioning**

**Units:** 0.5-1

**Hours:** 27-54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 6; CSU Area E

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 1C Swim

## COURSE DESCRIPTIONS

for Health with a grade of "C" or better.

This course is designed to help the intermediate swimmer improve cardiovascular endurance through swimming and to teach sound individual conditioning techniques. Each student is pre-tested in various health and fitness components. (HBCU, UC, CSU)

### **PEACTIV 2A Water Fitness I**

**Units:** 1.5

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Limitations on Enrollment:** The student must be able to swim one width of the pool without assistance and without touching the bottom. Any stroke is acceptable, and the head may be out of the water. This is a beginning water exercise course executed primarily in shallow end water. The course is low impact and uses the water's resistance to improve cardiovascular fitness, flexibility, range of motion, strength and balance. Competitive swimming techniques are not required, but it is necessary to feel comfortable in both shallow and deep water. Flotation belts will be provided. (UC, CSU)

### **PEACTIV 2B Water Fitness II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 2A Water Fitness I with a grade of "C" or better.

This course is designed to introduce the student to the fundamentals of water exercise, and is executed in both deep and shallow water. The course is low impact, which includes working a range of motion, toning, stretching and balance. (UC, CSU)

### **PEACTIV 2C Water Fitness III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 2B Water Fitness II with a grade of "C" or better.

This is an intermediate level course

which builds on previous experience in water exercise. The course emphasizes student's ability to individually progress movement intensity to improve fitness. The course is a high intensity, high resistance, low impact, deep-water workout that focuses on cardio-respiratory and muscle endurance, muscle strength, and flexibility. (UC, CSU)

### **PEACTIV 2D Water Fitness IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 2C Water Fitness III with a grade of "C" or better.

This course is an advanced level course which builds on previous experience in water exercise. The course is high intensity, high resistance, low impact, upright, deep-water workout that focuses on cardio-respiratory endurance, muscle strength, muscle endurance and flexibility. (UC, CSU)

### **PEACTIV 3A Scuba - Open Water Diver**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is an introduction to recreational scuba diving. Upon successful completion of this course, students will have the opportunity to earn their Open Water Diver certification through Professional Association of Diving Instructors (PADI). This course requires a \$15 lab fee. (UC, CSU)

### **PEACTIV 3B Scuba - Advanced Open Water Diver**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 3A Scuba - Open Water Diver with a grade of "C" or better.

This course is a continuation of coursework in recreational scuba diving. Upon successful completion of this course, student will have the opportunity to earn their Advanced

Open Water Diver certification through Professional Association of Diving Instructors (PADI). This course requires a \$15 lab fee. (UC, CSU)

### **PEACTIV 3C Scuba - Rescue Diver**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 3B Scuba - Advanced Open Water Diver with a grade of "C" or better.

The rescue diver course teaches techniques to avoid and manage problems and improve confidence as a diver. During the course, students will become a better dive buddy by enhancing abilities to identify potential problems and practicing dive emergency protocols. This course requires a \$15 lab fee. (UC, CSU)

### **PEACTIV 3D Scuba - Dive Master**

**Units:** 2

**Hours:** 36 hours LEC; 18 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 3C Scuba - Rescue Diver with a grade of "C" or better.

The dive master course will create opportunities for the student to supervise scuba diving activities and assist with scuba classes. PADI Dive Master is the first step in a professional diving career.

Through knowledge development sessions, water skills exercises and workshops, and hands-on practical assessment, students develop the skills to organize and direct a variety of scuba diving activities. This course requires a \$15 lab fee. (CSU)

### **PEACTIV 4A Pickleball I**

**Units:** 1

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

This course will provide students with the fundamental skills and strategies associated with pickleball, including beginning court skills, knowledge, and strategies. The development of enjoyable and appropriate cooperative and competitive behaviors, including

## COURSE DESCRIPTIONS

etiquette and self-awareness will be addressed. Course outcomes will also address the nature, history, and purpose of pickleball. Various rules, regulations and etiquette associated with self-officiating game play will also be included. Students will also evaluate pickleball and its impact on one's own health and skill-related fitness. (CSU)

### **PEACTIV 4B Pickleball II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Prerequisites:** PEACTION 4A Pickleball I with a grade of "C" or "P".

This course focuses on improving and refining the physical and mental skills and techniques of pickleball. This course will review fundamentals, techniques, rules and social etiquette of pickleball. Particular attention is given to strategic development of the player, while refining the paddle skills that set up and finish points. Developing patterns, dink placement, and tactical court positioning are further developed. This course emphasizes skill development beyond that of a beginning player, as well as intermediate strategies for singles and doubles. (CSU)

### **PEACTIV 8 Futsal 1**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 6; CSU Area E

**Term Typically Offered:** Every spring term

This introductory course includes game strategy, tactics, and laws of the game. Futsal is a modified form of soccer played indoors on a hard surface with a low bouncing ball. Students develop basic skills in dribbling, passing, heading, shooting and receiving, along with offensive and defensive strategies. (CSU)

### **PEACTIV 10A Beginning Fitness Walking**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to provide the student with physical and cardiovascular training. Emphasis is

placed on stretching and attaining each individual's target heart rate. (UC, CSU)

### **PEACTIV 10B Intermediate Fitness Walking**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTION 10A Beginning Fitness Walking with a grade of "C" or better.

This course is designed to promote physical well-being through stress reduction, weight control, and walking. Attention is given to increasing cardiovascular efficiency, muscular strength, and endurance. (HBCU, UC, CSU)

### **PEACTIV 10C Fitness Walking III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTION 10B Intermediate Fitness Walking with a grade of "C" or better.

This course will incorporate intermediate walking fitness skills that will improve aerobic capacities and strength endurance by using faster paced walking techniques. Other components are focused on increasing cardiovascular efficiency, muscular strength, and endurance. (HBCU, CSU, UC)

### **PEACTIV 10D Fitness Walking IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PEACTION 10C Fitness Walking III with a grade of "C" or better.

This course will incorporate advanced walking fitness skills that will improve aerobic capacities and strength endurance by using faster-paced walking techniques. Other components are focused on increasing cardiovascular efficiency, muscular strength, and endurance. (HBCU, UC, CSU)

### **PEACTIV 11A Yoga I**

**Units:** 1.5

**Hours:** 18 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This introductory level course is designed for participants with no previous yoga experience. It is a complete fitness program to achieve a more limber body, regardless of age, increase physical coordination, improve posture, and improve flexibility. Individuals will be introduced to controlled movements, concentration, and conscious breathing techniques. (CSU, UC)

### **PEACTIV 11B Yoga II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PEACTION 11A Yoga I with a grade of "C" or better.

This beginner level course is designed for participants with limited previous yoga experience. It is a complete fitness program to achieve a more limber body, regardless of age, increase physical coordination, improve posture, and improve flexibility. Individuals will review, demonstrate, and expand knowledge of controlled movements, concentration, and conscious breathing techniques. (UC, CSU)

### **PEACTIV 11C Yoga III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PEACTION 11B Yoga II with a grade of "C" or better.

This course is designed to emphasize the intermediate level of yoga. Stress is placed on the midsection, and muscle groups surrounding and assisting the midsection. It is a complete fitness program to achieve a more limber body, regardless of age, increase physical coordination, improve posture, and improve flexibility. (UC, CSU)

### **PEACTIV 11D Yoga IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PEACTION 11C Yoga III with a grade of "C" or better.

This course is designed to emphasize the most advanced levels of yoga. Participants are

## COURSE DESCRIPTIONS

expected to be of the highest physical health and condition. It is a complete fitness program to achieve a more limber body, regardless of age, increase physical coordination, improve posture, and improve flexibility. (UC, CSU)

### **PEACTIV 12A Individual Conditioning I**

**Units:** 1.5

**Hours:** 18 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 6; CSU Area E

**Term Typically Offered:** Every term

**Limitations on Enrollment:** Each student will submit a physical activity readiness questionnaire and will be cleared to participate in the class if the assessment indicates that the student does not have any physical limitations that would preclude them from doing vigorous physical activity.

This course is designed to improve the individual's physical fitness level through the use of physical fitness testing, aerobic exercise, resistive exercise training, and flexibility activities. Included are lectures designed to enhance the student's life-long approach and understanding of exercise and its effect on the body. Each student is pre-tested and post-tested in various health and fitness components. (HBCU, UC, CSU)

### **PEACTIV 12B Individual Conditioning II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 12A Individual Conditioning I with a grade of "C" or better.

This course is designed to build upon the information learned in Individual Conditioning I. The student will continue the development of a life-long commitment to exercise. The course includes physical fitness testing, aerobic exercise, resistive exercise training, and flexibility activities. More extensive lectures on cardiovascular health, nutrition, and elements of exercise are included to enhance previous knowledge. Each student is pre-tested and post-tested in various

health and fitness components. (HBCU, UC, CSU)

### **PEACTIV 12C Individual Conditioning III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 12B Individual Conditioning II with a grade of "C" or better.

This course is designed to take the information learned in Individual Conditioning II and develop a life-long commitment to exercise. The course includes physical fitness testing, resistive exercise training, and flexibility activities. The overall experience culminates in students formulating an individualized program to meet their unique needs. Each student is pre-tested and post-tested in various health and fitness components. (HBCU, UC, CSU)

### **PEACTIV 12D Individual Conditioning IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 12C Individual Conditioning III with a grade of "C" or better.

This course is designed to take the information learned in previous individual conditioning classes and expand on the life-long commitment to exercise. The course includes advanced physical fitness testing, advanced resistive exercise training, and advanced flexibility activities. The class includes students assisting beginning students with formulating individualized conditioning programs. Each student is pre-tested and post-tested in various health and fitness components. (HBCU, UC, CSU)

### **PEACTIV 14A Weight Training I**

**Units:** 1.5

**Hours:** 18 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is designed to introduce the student to basic lifts. The student is exposed to an individual weight training program.

Prevention and rehabilitation of injuries are stressed. (HBCU, UC, CSU)

### **PEACTIV 14B Weight Training II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 14A Weight Training I with a grade of "C" or better.

This course is designed to give the student experience in intermediate level of lifts. The student develops an individual weight training program. Prevention and rehabilitation of injuries is stressed. Each student is pre-tested and post-tested in various health and fitness components. (HBCU, UC, CSU)

### **PEACTIV 14C Weight Training III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 14B Weight Training II with a grade of "C" or better.

This course is designed to give the student experience in the advanced levels of lifts. The student completes an individual weight training program. Prevention and rehabilitation of injuries are stressed. Each student is pre-tested and post-tested in various health and fitness components. (HBCU, UC, CSU)

### **PEACTIV 14D Weight Training IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 14C Weight Training III with a grade of "C" or better.

This course is designed to give the student experience in progressive lifts. The student completes an individual weight training program. Prevention and rehabilitation of injuries are stressed. Each student is pre-tested and post-tested in various health and fitness components. (UC, CSU)

## COURSE DESCRIPTIONS

### **PEACTIV 15 Selected Topics: PE Activity**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Physical Education Activities not already covered by the existing curriculum. (CSU)

### **PEACTIV 18A Beginning Fall Spirit Training**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

This course provides instruction, training, and development of a corps of spirit leaders to promote enthusiasm for school athletic activities. Field trips might be required. (HBCU, UC, CSU)

### **PEACTIV 18B Advanced Fall Spirit Training**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** PEACTIV 18A Beginning Fall Spirit Training with a grade of "C" or better.

This course provides advanced instruction, training, and development of a corps of spirit leaders to promote enthusiasm for school athletic activities. Field trips might be required. (HBCU, UC, CSU)

### **PEACTIV 19A Beginning Spring Spirit Training**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

This course provides instruction, training, and development of a corps of spirit leaders for school athletic activities for spring sports. Field trips might be required. (HBCU, UC, CSU)

### **PEACTIV 19B Advanced Spring Spirit Training**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** PEACTIV 19A Beginning Spring Spirit Training with a grade of "C" or better.

This course provides advanced instruction, training, and development of a corps of spirit leaders for school athletic activities for spring sports. Field trips might be required. (HBCU, UC, CSU)

### **PEACTIV 21A Beginning Fencing**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

This course is designed to develop basic skills and techniques of fencing with the three combative weapons of foil, epee, and sabre. The course covers developmental exercise along with skills and techniques utilized in formal competition. The drama or dance student will find it valuable for mental and body discipline on the stage. (HBCU, UC, CSU)

### **PEACTIV 24A Volleyball I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to provide the student an introduction to fundamentals of volleyball and to develop an understanding of the game. The skills of proper serving, passing and digging positional form will be performed. (HBCU, UC, CSU)

### **PEACTIV 24B Volleyball II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 24A Volleyball I with a grade of "C" or better.

This course is designed to provide students with the basic fundamentals of volleyball and to develop an understanding of the game. The skills of distance serving, passing movement and variations of the underhand and overhand dig will be performed. (HBCU, UC, CSU)

### **PEACTIV 24C Volleyball III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 24B Volleyball II with a grade of "C" or better.

This course is designed to provide the student an intermediate understanding of the fundamentals of volleyball and to develop a more intricate understanding of the game. The skills of the float serve, forward/backward movement passing and defending at the net

will be performed. (HBCU, UC, CSU)

### **PEACTIV 24D Volleyball IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 24C Volleyball III with a grade of "C" or better.

This course is designed to provide students with an advanced understanding of the rules, fundamentals, and strategy of power volleyball. The skills of the jump serve, off-balance passing and front line reads will be performed. (HBCU, UC, CSU)

### **PEACTIV 25A Basketball I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course is designed to provide the student an introduction to fundamentals of basketball and to develop an understanding of the game. The skills of proper shooting, dribbling, passing, screening and defending will be performed. (HBCU, UC, CSU)

### **PEACTIV 25B Basketball II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 25A Basketball I with a grade of "C" or better.

This course is designed to provide the student the basic fundamentals of basketball and to develop an understanding of the game. The skills of stationary shooting, weak hand and crossover dribbling, chest passing, away screening and man ball defending will be performed. (HBCU, UC, CSU)

### **PEACTIV 25C Basketball III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 25B Basketball II with a grade of "C" or better.

This course is designed to provide

## COURSE DESCRIPTIONS

the student an intermediate understanding of the fundamentals of basketball and to develop a more intricate understanding of the game. The skills of speed dribbling, post feed pass, on ball screening and defending on ball screens will be performed. (HBCU, UC, CSU)

### **PEACTIV 25D Basketball IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 25C Basketball III with a grade of "C" or better.

This course is designed to provide the student an advanced understanding of the fundamentals and strategy of basketball. The skills of shooting off the bounce, the overhead pass, flare screens and defensive reading will be performed. (HBCU, UC, CSU)

### **PEACTIV 26A Soccer I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to provide the student an introduction to the fundamentals of soccer and to develop an understanding of the game. The skills of proper shooting, dribbling, passing, heading and individual defending will be stressed. (HBCU, UC, CSU)

### **PEACTIV 26B Soccer II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** PEACTIV 26A Soccer I with a grade of "C" or better.

This course continues the study of soccer and developing a deeper understanding of the game. It focuses on improving the skills of shooting, dribbling, passing and heading and defending. The skills of volleying, feinting, give and go passing, and two-man defending will be introduced. (HBCU, UC, CSU)

### **PEACTIV 26C Soccer III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** PEACTIV 26B Soccer II with a grade of "C" or better.

This course is designed to develop a more advanced understanding of soccer. The fundamentals of positional play and penetrating using the 2 versus 1 will be performed. (HBCU, UC, CSU)

### **PEACTIV 26D Soccer IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** PEACTIV 26C Soccer III with a grade of "C" or better.

This course is designed to develop a more advanced understanding of the game. The focus will be on systems of play, including 4-3-3, 4-4-2, and 3-5-2. The fundamentals of building out from the back and penetrating against 4, 5, or 6 defenders will be performed. (HBCU, UC, CSU)

### **PEACTIV 30A Flag Football I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

This course introduces the official game of flag football, including basic rules, techniques of throwing, receiving, hand offs, proper blocking, and carrying the football. (CSU)

### **PEACTIV 30B Flag Football II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Prerequisites:** PEACTIV 30A Flag Football I with a grade of "C" or "P".

This course is designed to strengthen fundamental flag football skills. Emphasis is on scrimmages and applying offensive and defensive group strategies in competitive play. The course also introduces tactical strategies for each player, offensive running backs, wide receivers, quarterback, offensive line, and defensive line. (CSU)

### **PEACTIV 32A Golf I**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

This course is designed to emphasize the fundamentals of grip, stance, and swing. Stress is placed upon fundamental positions of golf swing. Participation on the golf course is encouraged. (HBCU, UC, CSU)

### **PEACTIV 32B Golf II**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Prerequisites:** PEACTIV 32A Golf I with a grade of "C" or better.

This course is designed to review the fundamentals of grip, stance, and swing. Rules and etiquette are introduced. Participation on the golf course is encouraged. (HBCU, UC, CSU)

### **PEACTIV 34A Badminton I**

**Units:** 0.5-1

**Hours:** 27-54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

This course introduces the official singles and doubles games of badminton, including basic strokes, footwork, strategy, rules, and etiquette. (UC, CSU)

### **PEACTIV 34B Badminton II**

**Units:** 0.5-1

**Hours:** 27-54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 34A Badminton I with a grade of "C" or better.

This course continues the study of the official singles and doubles games. It focuses on improving forehand and backhand strokes in addition to learning the drop shot and overhead drive. Footwork, strategy, scoring, and etiquette will also be emphasized. (UC, CSU)

### **PEACTIV 34C Badminton III**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PEACTIV 34B Badminton II with a grade of "C" or better.

This course is designed to further develop intermediate-level skills in both singles and doubles games. It

## COURSE DESCRIPTIONS

focuses on offensive and defensive strategies, game play, court coverage, and analysis of strengths and weaknesses. (UC, CSU)

### **PEACTIV 34D Badminton IV**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PEACTION 34C Badminton III with a grade of "C" or better.

This course is designed to refine students' skills in both singles and doubles games. It focuses on individual stroke analysis, playing strategies, and match play. (UC, CSU)

### **PEACTIV 39E Adapted Swimming**

**Units:** 0.5-1

**Hours:** 27-54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Limitations on Enrollment:**

Physician Authorization.

This course is designed for the physically limited student. The student works on developing his or her own individual programs in the swimming pool. Physical conditioning, awareness of the body's capabilities, agility, and life-long activities are stressed. (HBCU, UC, CSU)

### **PEACTIV 39F Adapted Conditioning**

**Units:** 0.5-1

**Hours:** 27-54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed for the physically limited. The student works on individual programs. Physical conditioning, awareness of the body's capabilities, agility, and life-long activities are stressed. (CSU)

### **PEACTIV 75 Selected Topics: Physical Education Activity**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Physical Education Activity not already covered by the existing curriculum.

## **P E Theory**

### **PETHEORY 15 Selected topics: Physical Education Theory**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of physical education theory not already covered by the existing curricula. (CSU)

### **PETHEORY 20 Sports & Cinema**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

Commercial sports and media have long shared a mutually beneficial relationship. Hundreds of films have been made about sports, and television has thrived on fans' interest in watching their favorite teams, a synergy that continues today on the internet. This course examines the interrelationship between sports and media in contemporary society, exploring how this dynamic reinforces social values, challenges social norms, and reflects cultural identities related to class, race, and gender. Drawing on theories of rhetoric and social criticism, we will analyze the media's role in narrating sports stories and how these narratives shape and reinforce cultural values. Students will study various critical approaches to sports and public discourse, applying these frameworks to sports organizations, news media, and popular media.

The course further explores the cultural, political, psychological, and historical dimensions of sports as portrayed in feature films and documentaries. We will analyze representations of identity, power, performance, social justice, and the body within these art forms. An emphasis will be placed on addressing the study of works of philosophical and cultural importance to understand the human condition, highlighting the influence of artistic freedom and the reflection of subjective human experiences. (HBCU, UC, CSU)

### **PETHEORY 40 Introduction to Kinesiology**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to the interdisciplinary approach to the study of human movement. An

overview of the importance of the sub-disciplines in kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, and fitness professions. (UC, CSU, C-ID KIN 100)

### **PETHEORY 41 Sport in Society**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

This course is an overview of the historical development of sport and current roles of sport in society. It includes interaction of sport with societal values and ethics as well as the outcomes affecting professional and amateur sports. (HBCU, UC, CSU)

### **PETHEORY 42A Beginning Theory of Basketball**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

The study of theory, philosophy, methods, and techniques relating to the coaching of basketball. Emphasis is placed on practice and event preparation; individual and team fundamentals; offensive and defensive techniques and strategies; motivation, training, and conditioning. (UC, CSU)

### **PETHEORY 42B Advanced Theory of Basketball**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** PETHEORY 42A Beginning Theory of Basketball with a grade of "C" or better.

This course introduces the advanced theories, strategies, rules, and skills of basketball. Focus will be on the analysis of basketball theories and strategies through observation and video review. Students will learn to develop effective team strategies for a variety of competitive situations. (UC, CSU)

### **PETHEORY 42J Theory of Track and Field**

**Units:** 2

**Hours:** 36 hours LEC

## COURSE DESCRIPTIONS

**Grade Options:** Letter Grade

**Term Typically Offered:** Every summer term

This course is designed to meet the needs of the student in the community by preparing the student to teach and coach track and field with a practical and effective approach. Emphasis is given to the most recent trends in training techniques for each of the track and field events. (UC, CSU)

### **PETHEORY 42K Theory of Baseball Offense**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is designed to give the student a practical, effective, and up-to-date approach in teaching and coaching the offensive skills of baseball. Particular attention is paid to hitting technique, hitting drills, correction of faults, mental approach, bunting, base running, and offensive strategy and philosophy. (HBCU, UC, CSU)

### **PETHEORY 42L Theory of Baseball Defense**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is designed to give the student a practical, effective, and up-to-date approach in teaching and coaching the defensive skills of baseball. Particular attention is paid to defensive technique at each position, individual defensive drills, team defensive drills, team defensive strategy, pitching, and catching. (UC, CSU)

### **PETHEORY 42M Beginning Theory of Offensive Football**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Advisories:** ATH 46 with a grade of "C" or better.

This course is designed to teach elementary offensive football. Offensive overviews, establishing formation concepts, areas of attack dual system, backfield actions, cadence, line symbols and term line stance, back stance, types of blocks, recognition of defenses, and offensive kicking game are covered. Kick off return, point after

touchdown, field goal, and the running game are stressed. (UC, CSU)

### **PETHEORY 42N Advanced Theory of Offensive Football**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** PETHEORY 42M Beginning Theory of Offensive Football with a grade of "C" or better.

This course is designed to help the student perform coaching and teaching assignments at lower levels from Pop Warner to high school football. The student learns to establish a football system of offense. (HBCU, UC, CSU)

### **PETHEORY 42O Beginning Theory of Defensive Football**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Advisories:** ATH 46 with a grade of "C" or better.

This course is an introduction to the philosophy, technology, and strategy of defensive football played at the college level. (HBCU, UC, CSU)

### **PETHEORY 42P Advanced Theory of Defensive Football**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Prerequisites:** PETHEORY 42O Beginning Theory of Defensive Football with a grade of "C" or better.

This course is a review of the philosophy, terminology, and strategy of defensive football played at the college level. (HBCU, UC, CSU)

### **PETHEORY 42Q Beginning Coaching of Offensive Football**

**Units:** 1.5

**Hours:** 18 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to teach the coaching and demonstration of offensive techniques. Activities are designed for those who will coach

the lower levels through Pop Warner and high school football. The fundamentals of the elementary level of running, throwing, catching, and blocking are stressed. (HBCU, UC, CSU)

### **PETHEORY 42R Intermediate Coaching of Offensive Football**

**Units:** 1.5

**Hours:** 18 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** PETHEORY 42Q Beginning Coaching of Offensive Football with a grade of "C" or better.

This course is designed to teach the coaching and demonstration of intermediate offensive techniques. Activities are designed for those who will coach the lower levels through Pop Warner and high school football. The fundamentals of the intermediate level of running, throwing, catching, and blocking are stressed. (HBCU, UC, CSU)

### **PETHEORY 42T Beginning Coaching of Defensive Football**

**Units:** 1.5

**Hours:** 18 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to teach the coaching and demonstration of defensive techniques. Activities are designed for those who will coach the lower levels through Pop Warner and high school football. The fundamentals of the elementary level of running, throwing, catching, and tackling are stressed. (HBCU, UC, CSU)

### **PETHEORY 42U Intermediate Coaching of Defensive Football**

**Units:** 1.5

**Hours:** 18 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Prerequisites:** PETHEORY 42T Beginning Coaching of Defensive Football with a grade of "C" or better.

This course is designed to teach the coaching and demonstration of intermediate defensive techniques. Activities are designed for those who will coach the lower levels through Pop Warner and high school football. The fundamentals

## COURSE DESCRIPTIONS

of the intermediate level of running, throwing, catching, and tackling are stressed. (HBCU, UC, CSU)

### **PETHEORY 42V Theory and Application of Weight Training**

**Units:** 3

**Hours:** 45 hours LEC; 27 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Advisories:** PEACTION 14A with a grade of "C" or better.

This course is designed to introduce the student to new and traditional conditioning practices. The student learns how to set up, design, and implement a complete strength training and conditioning program for various populations. (UC, CSU)

### **PETHEORY 42W Beginning Theory of Softball**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course addresses the theory, philosophy, methods, and techniques relating to the coaching of offensive softball. Emphasis is placed on practice and event preparation; individual and team fundamentals; offensive techniques and strategies; motivation, training, and conditioning. (UC, CSU)

### **PETHEORY 42X Advanced Theory of Softball**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** PETHEORY 42W Beginning Theory of Softball with a grade of "C" or better.

This course develops both mental and physical competency with emphasis on advanced skill, mechanics, rules, offensive and defensive strategies, officiating, facilities, video review, organizational procedures and physiological aspects of the game as they relate to college softball. The course is open to kinesiology majors and students interested in intercollegiate softball. (UC, CSU)

### **PETHEORY 44A Intro Theory of Soccer**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall

term

This course is a study of basic theory, philosophy, methods, and techniques relating to the coaching of soccer. Emphasis is placed on basic practice and event preparation; individual and team fundamentals; basic offensive and defensive techniques and strategies; motivation, training, and conditioning. (UC, CSU)

### **PETHEORY 44B Advanced Theory of Soccer**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

**Advisories:** PETHEORY 44A with a grade of "C" or better.

This course is a study of advanced theory, philosophy, methods, and techniques relating to the coaching of soccer. Emphasis is placed on technical and tactical functional training, phase of play, shadow play, coaching in the game, imprinting a style of play and professional event preparation; advanced offensive and defensive techniques and strategies; motivation, training, and conditioning. (UC, CSU)

### **PETHEORY 45 Women in Sport**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 6;

CSU Area E

**Term Typically Offered:** Every

term

This course examines the chronological history, analysis and interpretation of people, events, and issues that affect women in sports in past and present society.

Physiological, sociological, and psychological aspects of female athletes as related to sports, history, and education will be covered. Students will gain an understanding of the significant impact women have had on the sports world and how their significance will determine the future of women in sports. (UC, CSU)

### **PETHEORY 48 Physiology of Fitness and Sport Performance**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every fall term

This course is designed to introduce the basic concepts of anatomy, physiology, nutrition, kinesiology, and exercise physiology to the student interested in how and why training programs affect health and fitness. This course is designed for the student majoring in physical education. (UC, CSU)

### **PETHEORY 49 Psychology of Fitness and Sport Performance**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5;

CSU Area D; IGETC Area 4

**Term Typically Offered:** Every

term

This course is designed to cover the theoretical, practical and mental aspects of sport, exercise, and rehabilitation settings. The influence of psychological variables on participation in sport and exercise is addressed. It also covers the influence of participation on psychological factors and well-being. Topics include motivation, anxiety, observational learning, imagery, exercise adherence, goal setting, peak potential, focus/concentration and youth sport participation. (UC, CSU)

### **PETHEORY 50SS Special Studies: Physical Education**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon

student request

**Prerequisites:** Students must have completed two or more PETHEORY courses with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designated for the student qualified to do advanced work in the field. The course may include research, directed reading, field work, or other advanced study which must be arranged and approved by the instructor and dean before enrolling in the course. (CSU)

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### **PETHEORY 51 Fitness Assessment**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every spring term

This course is designed to aid the student in synthesizing the important principles and theories in exercise physiology, kinesiology, nutrition, testing, and measurements and applying them to physical fitness testing. (UC, CSU)

### **PETHEORY 52 Nutrition for Fitness and Sport Performance**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to introduce the student to the fundamentals of nutrition as they impact health, fitness, and sports performance. Particular emphasis is given to basic nutrition, diet analysis, weight control, special diets, eating disorders, and the use of ergogenic aids. (UC, CSU)

### **PETHEORY 53A Beginning Theory of Swimming and Diving**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course focuses on the biomechanical and technical analysis of intercollegiate swimming and diving. This course covers the theoretical concepts necessary for students to compete successfully in their first intercollegiate swimming and diving season. Topics covered include rules, history, race tactics, individual and team training and strategies. The physiological requirements for the intercollegiate athlete and the importance of nutritional components for optimal performance are emphasized. Separate sections of this course are offered for men and women. The course is intended for intercollegiate athletes and students who may be interested in coaching swimming and diving teams. (UC, CSU)

### **PETHEORY 54A Beginning Theory and Strategies of Water Polo**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course covers the theoretical concepts necessary for students to compete successfully in their first intercollegiate water polo season. Topics include rules, game strategies, history, and game preparation. The physiological requirements for the intercollegiate athlete and the importance of nutritional components for optimal performance. (UC, CSU)

### **PETHEORY 55A Beginning Theory and Strategies of Beach Volleyball**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course covers theoretical concepts necessary for successful participation in beach volleyball. Topics covered include mechanical analysis of fundamentals through advanced beach volleyball skills, offensive/defensive strategies, court etiquette, rules and officiating. This course is designed for students competing in the intercollegiate beach volleyball team and those interested in the sport of beach volleyball. (UC, CSU)

### **PETHEORY 56A Beginning Theory and Strategies of Intercollegiate Volleyball**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This is a course in which students competing in their first intercollegiate volleyball season learn the theoretical concepts necessary for successful participation. Topics covered include mechanical analysis of fundamentals through advanced volleyball skills, offensive/defensive strategies, statistics, rules, and officiating. (UC, CSU)

### **PETHEORY 69V Internship: PE Theory**

**Units:** 1-4

**Hours:** 48-216 hours WORK EXPERIENCE

**Grade Options:** Pass/No Pass

**Term Typically Offered:** Upon student request

### **Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is a supervised internship in a physical education-related organization. The student assists in the operation of the organization and engages in specific research projects related to his/her position. Each student is engaged in a specific research project under the supervision of a college instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. (CSU)

### **PETHEORY 70 Study Skills for Student Athletes: First Year**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

Designed to introduce the first year student-athletes to the demands of collegiate academics, this course aids in the introduction to the common challenges of students participating in competitive collegiate sports, including student-athlete schedule management and teacher-player communication. Student-athletes participate in athletic planning and academic monitoring along with California Community College Athletic Association eligibility requirements. Units earned in this course do not count toward the associate degree.

### **PETHEORY 71 Study Skills for Student Athletes: Second Year**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

Designed for the second-year student-athletes with an emphasis on athletic and academic transfer requirements, this course aids in further exploration of the common challenges of students participating in competitive collegiate sports during their second year of competition, including student athlete schedule management, teacher-player communication, leadership, and athletic transfer requirements in congruence with

## COURSE DESCRIPTIONS

California Community College Athletic Association, National Association Intercollegiate Athletics, and National Collegiate Athletics Association bylaws and guidelines. Student athletes participate in athletic planning and academic monitoring. Units earned in this course do not count toward the associate degree.

### **PETHEORY 75 Selected Topics: Physical Education Theory** **Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Physical Education Theory not already covered by the existing curriculum.

### **PETHEORY 83B Advanced Theory of Swimming and Diving** **Units:** 2

**Hours:** 36 hours LEC  
**Grade Options:** Letter Grade  
**Prerequisites:** PETHEORY 53A Beginning Theory of Swimming and Diving with a grade of "C" or better. This course covers advanced theoretical concepts and techniques for intercollegiate swimming and diving competition. Emphasis is placed on team development, competition scheduling, site preparation, and teaching the principles of swimming and diving program management. Topics include advanced team strategies, officiating, facilities, and organizational procedures for administering a college swimming and diving meet. Concepts of team building, leadership and social skills necessary for success at the intercollegiate level are also emphasized. Separate sections of this course are offered for men and women. This course is designed for second-year students who are participating in this sport and for those who are interested in coaching swimming and diving. Units earned in this course do not count toward the associate degree.

### **PETHEORY 84B Advanced Theory and Strategies of Water Polo** **Units:** 2

**Hours:** 36 hours LEC  
**Grade Options:** Letter Grade  
**Prerequisites:** PETHEORY 54A Beginning Theory and Strategies of Water Polo with a grade of "C" or better. This course covers advanced theoretical concepts and techniques

for intercollegiate water polo competition. Topics include advanced team strategies, efficient water polo conditioning techniques, goals for game preparation, and leadership qualities for water polo. Concepts of team building and social skills necessary for success at the intercollegiate level are also emphasized. Separate sections of this course are offered for men and women. The course is intended for intercollegiate water polo athletes. Units earned in this course do not count toward the associate degree.

### **PETHEORY 85B Advanced Theory and Strategies of Beach Volleyball** **Units:** 2

**Hours:** 36 hours LEC  
**Grade Options:** Letter Grade  
**Prerequisites:** PETHEORY 55A Beginning Theory and Strategies of Beach Volleyball with a grade of "C" or better. This course covers advanced theoretical concepts necessary for successful participation in beach volleyball. Topics include advanced team strategies, efficient beach volleyball conditioning techniques, goals for game preparation, and leadership qualities for beach volleyball. Concepts of team building and social skills necessary for success at the intercollegiate level are also emphasized. This course is designed for students competing on the intercollegiate beach volleyball team and those interested in the sport of beach volleyball. Units earned in this course do not count toward the associate degree.

### **PETHEORY 86B Advanced Theory and Strategies of Volleyball** **Units:** 2

**Hours:** 36 hours LEC  
**Grade Options:** Letter Grade  
**Prerequisites:** PETHEORY 56A Beginning Theory and Strategies of Intercollegiate Volleyball with a grade of "C" or better. This is a course in which students competing in their second intercollegiate volleyball season learn the theoretical concepts necessary for successful participation. Topics covered include officiating, statistics, concepts for team building, goals for game preparation, leadership, and social skills for success at the intercollegiate level. Units earned in

this course do not count toward the associate degree.

### **PETHEORY 87A Beginning Theory of Wrestling** **Units:** 2

**Hours:** 36 hours LEC  
**Grade Options:** Letter Grade  
This course addresses the explanation, organization, and development of various tactical and technical systems in wrestling. Units earned in this course do not count toward the associate degree.

### **PETHEORY 87B Advanced Theory of Wrestling** **Units:** 2

**Hours:** 36 hours LEC  
**Grade Options:** Letter Grade  
**Prerequisites:** PETHEORY 87A Beginning Theory of Wrestling with a grade of "C" or better. This course provides an advanced explanation, organization, and development of various tactical and technical systems in wrestling. Units earned in this course do not count toward the associate degree.

## **Philosophy**

### **PHILO 6 Introduction to Philosophy** **Units:** 3

**Hours:** 54 hours LEC  
**Grade Options:** Letter Grade  
**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B  
**Term Typically Offered:** Every term  
This course introduces philosophical ideas and methods concerning knowledge, reality, and values. Expected topics will include the sources and limits of knowledge and the nature of reality. Other topics that may be examined from a philosophical perspective include the nature of the self, truth, ethics, religion, science, language, beauty and art, political theory, or mind. Competing positions in the fields of metaphysics, epistemology, ethics, and the history of philosophy are presented, discussed, and critically evaluated. (HBCU, UC, CSU, C-ID PHIL 100)

### **PHILO 30 Introductory Logic** **Units:** 3

**Hours:** 54 hours LEC  
**Grade Options:** Letter Grade  
**General Education:** Delta Area 6; CSU Area A3  
**Term Typically Offered:** Every

## COURSE DESCRIPTIONS

term

This course introduces principles of valid reasoning with emphasis on deductive logic. The course includes a study of formal techniques of sentential logic. The course also includes a treatment of inductive reasoning, language, or fallacies. The concepts of induction, deduction, validity, soundness, strength, and cogency are explored in detail. There is a survey of informal fallacies as well as an introduction to the methodology associated with symbolic logic, natural deduction, and the calculation of probabilities. (HBCU, UC, CSU, C-ID PHIL 110)

### **PHILO 40 Ethics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

This course examines the concept of morality and values, representative ethical theories, and may include their applications to moral problems. It includes a survey of ethical theories and contemporary ethical issues to which the various theories are applied. The theories introduced are ethical relativism, egoism, utilitarianism, Kantian deontology, natural law theory, and feminist ethical theory. Issues discussed are euthanasia, abortion, legal punishment, animal rights, equality and discrimination, and economic justice. (HBCU, UC, CSU, C-ID PHIL 120)

### **PHILO 45 Philosophy of Religion**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every spring term

This course is a survey of issues and questions concerning the existence and nature of God, the validity of religious experience, the nature of relationships between persons and God, and the relationship between faith and reason. (HBCU, UC, CSU)

### **PHILO 50 Asian Philosophy**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3;

CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every fall term

This course is an introduction to the philosophical tradition of Asia. Special emphasis is placed on the Buddhist, Hindu, Taoist, and Confucian philosophies. (HBCU, UC, CSU)

## **Photography**

### **PHOTO 1A Introduction to Photography**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 3; CSU Area C1

**Term Typically Offered:** Every term

This course is an introduction to the processes, principles, and tools of photography. Topics include the development of technical and aesthetic skills, elements of design and composition, camera technology, materials and equipment, and contemporary trends in photography. (HBCU, UC, CSU)

### **PHOTO 1B Intermediate Photography**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PHOTO 1A

Introduction to Photography with a grade of "C" or better.

This course is an intermediate black & white film photography course with emphasis on film processing and darkroom printing. Topics include camera exposure, black & white films and fiber based papers, contrast control, camera filters, medium format cameras, finishing techniques and history of photography. (HBCU, UC, CSU)

### **PHOTO 3A Introduction to Digital Photography**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Advisories:** PHOTO 1A

Introduction to Photography with a grade of "C" or better.

This introductory course focuses on the creative skills required to create effective digital photographs using digital cameras. Students will be introduced to color correction, retouching, and composition, as well as digital capture, scanning and printing techniques with a specific focus on digital photographic practice in fine art. (HBCU, UC, CSU)

### **PHOTO 3B Intermediate Digital Photography**

**Units:** 3

**Hours:** 36 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** PHOTO 3A

Introduction to Digital Photography with a grade of "C" or better.

This course will familiarize students with digital photography beyond the basic camera controls and image adjustments. Students will gain practical experience with digital photography techniques that will support their photography skills as a business, design, artistic and communication tool. (UC, CSU)

### **PHOTO 15 Selected Topics: Photography**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of photography not already covered by existing curricula. (CSU)

### **PHOTO 34 Workshop Projects**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PHOTO 1B

Intermediate

Photography or PHOTO 3B

Intermediate Digital

Photography with a grade of "C" or better.

In this course, students work on their personal practice as they learn how to compile a body of exhibition quality photographs into a portfolio for the purpose of job interviews, exhibits, and/or for transfer. (CSU)

### **PHOTO 50SS Special Studies: Photography**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** PHOTO 1A

Introduction to Photography with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in Photography. The course includes research, directed reading, fieldwork or other advanced study, which must be arranged and approved by the instructor and the dean before enrolling in the course. (CSU)

## Physical Science

### PHSCI 1 Conceptual Physical Science

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Prerequisites:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process. This course is an introduction to the physical sciences for the student with a limited science background. Topics include physics, chemistry, meteorology, geology, and astronomy. (HBCU, UC, CSU)

## Physics

### PHYSIC 2A General Physics

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 2; CSU Area B1; IGETC 5A

**Term Typically Offered:** Every term

**Prerequisites:** MATH 38B

Precalculus II or MATH 39

Precalculus with a grade of "C" or better, or successful completion of high school Precalculus or

equivalent.

This course is intended for students not majoring in physics or engineering but needing a one-year course in physics as a requirement for their major program. The course is part of a two-semester sequence. Core topics include: kinematics, dynamics, work and energy, momentum, fluids, and simple harmonic motion. (HBCU, UC, CSU, C-ID PHYS 105, C-ID PHYS 100S with both PHYSIC 2A and 2B)

### PHYSIC 2B General Physics

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every spring term

**Prerequisites:** PHYSIC 2A General Physics with a grade of "C" or better.

This course is intended for students not majoring in physics or engineering but needing a one-year course in physics as a requirement for their major program. The course is part of a two-semester sequence. Core topics include mechanical waves and sound, electrostatics, magnetism, DC circuits, optics and modern physics. (UC, CSU, C-ID PHYS 110, C-ID PHYS 100S with both PHYSIC 2A and 2B)

### PHYSIC 4A Principles of Physics: Mechanics

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every term

**Prerequisites:** MATH 2 Calculus II with a grade of "C" or better.

**Corequisites:** MATH 2.

This course, intended for students majoring in physical sciences and engineering, is part of a three-semester sequence. Core topics include an introduction to kinematics, dynamics, work and energy, momentum, gravitation, rotational motion, and simple harmonic motion. (HBCU, UC, CSU, C-ID PHYS 205)

### PHYSIC 4B Principles of Physics: Waves, Sound, and Thermodynamics

**Units:** 4

**Hours:** 54 hours LEC; 54 hours

LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every spring term

**Prerequisites:** MATH 2 Calculus II and PHYSIC 4A Principles of Physics: Mechanics with a grade of "C" or better.

This course, intended for students majoring in physical sciences and engineering, is part of a three-semester sequence. Core topics include mechanical waves and sound, thermodynamics, optics, and modern physics. (UC, CSU, C-ID PHYS 215)

### PHYSIC 4C Principles of Physics: Electricity and Magnetism

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every fall term

**Prerequisites:** PHYSIC 4A

Principles of Physics:

Mechanics and MATH 3

Multivariable Calculus each with a grade of "C" or better.

**Corequisites:** MATH 3.

This course, intended for students majoring in physical sciences and engineering, is part of a three-semester sequence. Core topics include electrostatics, magnetism, DC and AC circuits, and Maxwell's equations. (UC, CSU, C-ID PHYS 210, C-ID PHYS 200S with PHYSIC 4A, PHYSIC 4B, and 4C)

### PHYSIC 10 Introduction to Physics

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Beginning Algebra or appropriate placement as determined by the college's multiple measures assessment process. This course is designed to introduce the fundamentals of physics to students with no previous background in the subject. The course content surveys selected topics in the areas of mechanics, heat, wave motion, optics, electricity, magnetism, and sound. Emphasis is on critical thinking in problem solving and

## COURSE DESCRIPTIONS

practical application through laboratory work involving extensive instrumentation and measuring techniques. This course is not designed for the science or engineering major. (HBCU, UC, CSU)

### Plant Science

#### **PLANT 10 Principles of Plant Science**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B2; IGETC Area 5B

**Term Typically Offered:** Every term

Introduction to plant science including structure, growth processes, propagation, physiology, growth media, biological competitors, and post-harvest factors of food, fiber, and ornamental plants. (HBCU, UC, CSU, C-ID AG-PS 104)

#### **PLANT 10L Principles of Plant Science Laboratory**

**Units:** 1

**Hours:** 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** CSU Area B2; IGETC Area 5B

**Term Typically Offered:** Every term

**Prerequisites:** PLANT 10

Principles of Plant Science, with a grade of "C" or better, or

**Corequisites:** PLANT 10.

This course is designed to use experiments and observations related to the principles of plant science. The student learns through numerous hands-on experiences. Field trips are taken to observe specific crop practices. (HBCU, UC, CSU, C-ID AG-PS 106L with PLANT 10 and 10L)

#### **PLANT 11 Field Crop Production Irrigation Practices**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every even spring term

This course is an introduction to the materials, equipment, installation procedures, operation, and maintenance of field crop irrigation systems and their components. (CSU)

#### **PLANT 14 Soil Science**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 2; CSU Area B1; IGETC Area 5A

**Term Typically Offered:** Every term

The study of soil physical, chemical and biological properties. Soil classification, derivation, use, function and management including erosion, moisture retention, structure, cultivation, organic matter and microbiology. Laboratory topics include soil type, classification, soil reaction, soil fertility and physical properties of soil. Laboratory required. (HBCU, UC, CSU, C-ID AG - PS 128L)

#### **PLANT 15 Selected Topics: Plant Science**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Plant Science not already covered by the existing curriculum. (CSU)

#### **PLANT 20 Vegetable and Row Crop Production**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course addresses the cultural practices, varieties, and economics of production of major vegetable and row crops in San Joaquin County. Topics include strategies for starting and maintaining crops, innovative irrigation methods, essential weed and pest control measures, and marketing. Application of production techniques at the Manteca Farm will be covered. Focus will be on conventional systems but course content will be useful to all growers. (CSU)

#### **PLANT 21 Fruit and Nut Crop Production**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course addresses the cultural practices, varieties, and economics of production of major fruit and nut crops in San Joaquin County. Topics include strategies for

starting and maintaining crops, innovative irrigation methods, essential weed and pest control measures, and marketing. Application of production techniques at the Manteca Farm will be covered. Focus will be on conventional systems but course content will be useful to all growers. (CSU)

#### **PLANT 30 Weed Science**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is designed to provide a study of the classification, identification, and life cycle of common and poisonous weeds in the San Joaquin Valley. Management practices include biological, cultural, rotational, and/or chemical methods. Weed establishment and chemical resistance are also included. (CSU)

#### **PLANT 31 Plant Nutrition and Fertilizer**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

This course is an overview of plant nutrition principles in order to understand amendments, fertilizers, their uses, value, application, and relationship to soils and to crops grown in this area. It will address efficiency symptoms, pH, soil, water and plant tissue testing, and environmental factors and concerns. (CSU)

#### **PLANT 32 Field and Crop Integrated Pest Management**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

This course covers the origin, history, and management of insect, plant pathogen, weed, and other pests of field crops. Pest biology and life cycles are studied to demonstrate the use of various Integrated Pest Management (IPM) technologies for economic crop production. Pesticide regulations, application, formulations, and materials for specific uses are covered. (CSU)

### **PLANT 33 Economic Entomology**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is designed to cover local insects and mites of economic importance to agriculture. Their morphology, identification, life cycles, host and habitat relationships, and control methods are emphasized. (CSU)

### **PLANT 34 Plant Pathology**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

This course is a study of the nature and causes of disease in plants, with particular emphasis on agricultural commodities. It will cover disease cycles, symptoms, host-parasite interactions, disease development in relation to the environment and methods of prevention as well as cultural, chemical and biological controls. (CSU)

### **PLANT 40 Introduction to Viticulture, Winemaking, Wines of the World**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Limitations on Enrollment:** Must be 21 years or older to enroll in this course.

This course surveys the world of viticulture and the wine industry, including the history of viticulture, grapevine anatomy, worldwide grapes, wine production, the making of wine, and sensory evaluations. Since PLANT 40 and CUL ART 31 are cross listed courses, credit may be awarded for either PLANT 40 and CUL ART 31 but not both. This course requires an additional \$25 lab materials fee. (HBCU, UC, CSU)

### **PLANT 41 Viticulture Production**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course presents principles and cultural practices utilized in the vineyard to produce high-quality

Central Valley wines. It provides a thorough look at the practices of fertilization, irrigation, trellis design, and canopy management as they relate to wine quality factors. The course includes lectures, guest speakers, and field trips to local vineyards and wineries. (CSU)

### **PLANT 50SS Special Studies:**

**Plant Science**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** PLANT 10

Principles of Plant Science or PLANT 14 Soil Science each with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in plant science. The course includes research, directed reading, fieldwork or other advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

### **PLANT 75 Selected Topics: Plant Science**

**Units:** 0.5-4

This course is designed to offer instruction in one or more of the specialized areas of plant science not already covered by the existing curriculum.

## **Political Science**

### **POLS C1000 American Government and Politics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 4 & 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

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. Formerly POLSC 1. Since POLS C1000 and POLS C1000H are equivalent courses, credit may be awarded for either POLS C1000 or POLS C1000H but not both. (UC, CSU, C-ID POLS 110)

### **POLS C1000H American Government and Politics Honors**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Advisories:** ENGL C1000 with a grade of "C" or better.

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. Formally POLSC 1H. Since POLS C1000H and POLS C1000 are equivalent courses, credit may be awarded for either POLS C1000H or POLS C1000 but not both. (CSU)

### **POLS 2 Introduction to Comparative Politics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E and POLS C1000 with a grade of "C" or better.

This course provides a comparative analysis of different kinds of political systems; their history, political institutions, processes and policies; the environments in which they occur and their consequences. Topics to be examined include: political power, political culture and socialization, participation in politics, governmental structures, democratization, and economic policies and development. (HBCU, UC, CSU, C-ID POLS 130)

## COURSE DESCRIPTIONS

### **POLS 3 Introduction to Political Theory**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every spring term

**Advisories:** ENGL C1000 or ENGL C1000E and POLS C1000 with a grade of "C" or better.

This course examines various theoretical approaches to politics as well as basic political problems and proposed solutions. Students will analyze selected theories, the relevance of theory to contemporary problems and different approaches to political thought. (HBCU, UC, CSU, POLS 120)

### **POLS 4 California Politics**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 4 & 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course provides an overview of California government, politics, and problems. The course will focus on the historical and contemporary forces that shape the State's politics, including the context of the U.S. Constitution and the national government institutions as well as the multifaceted components of diversity within the state. Included is the study of the three official branches of state government (executive, legislative and judicial); the three linkage institutions (the media, political parties and interest groups); direct democracy and campaigns; local government; and the state budget. Special attention will be given to current problems facing the governance of California and reform proposals. (HBCU, UC, CSU)

### **POLS 5 International Relations**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E and POLS C1000 with a grade of "C" or better.

This course is an introduction to the field of International Relations. The course surveys theoretical approaches to international relations, international conflict and cooperation, global issues, and the United States as a world power. (HBCU, UC, CSU, POLS 140)

### **POLS 6 International Political Economy**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every spring term

**Advisories:** ENGL C1000 or ENGL C1000E, POLS C1000, and POLS 2 with a grade of "C" or better.

This course is designed to introduce students to the major theories, institutions and issues in international political economy. Students will examine the major theoretical perspectives on political economy, such as mercantilism, liberalism, and Marxism/structuralism. Other major components of the international economy will be covered including multilateral trade, domestic trade policy, international finance and currency policy. Last, this course focuses on several major issues in international political economy. Examples might include the gap between the developed and developing world, the globalized economy, the role of transnational corporations, and the political economies of oil, migration, food, or the environment. (HBCU, UC, CSU)

### **POLS 14 Political Science Study and Travel Abroad**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Advisories:** POLS C1000 with a grade of "C" or better.

This course combines travel with experiential learning and study to enable students to enrich and enhance their understanding of the discipline of political science and law. This course strives to provide equitable opportunities by exposing San Joaquin Delta College's underserved students who reflect the diverse population of San Joaquin County to international travel and study. The course will emphasize the visitation of Stockton's Sister Cities by examining local governance and public policy challenges that may

include responses to political participation, affordable housing, economic and workforce development, homelessness, and crime. The course will also focus on building cross-institutional relationships between the City of Stockton and Stockton's Sister Cities. In addition, the course strives to cultivate an understanding of globalization, expand cultural knowledge, and cultivate the life-learning skills needed to become a global citizen. (CSU)

### **POLS 15 Selected Topics: Political Science**

**Units:** 0.5-4

This topics course is designed to offer instruction in one of the specialized areas of Political Science not already covered by the existing curriculum. (CSU)

### **POLS 35A Pathway to Law Program Seminar: Orientation**

**Units:** 1

**Grade Options:** Letter Grade or Pass/No Pass

This course introduces students to the Pathway to Law program as the first in a series of seminar courses. Through a selection of class activities, possible field trips, readings, and guest lectures, students will be introduced to a variety of specializations and occupations within the field of law. These may include a variety of occupational opportunities in animal law, alternative dispute resolution, art law, business law, civil rights law, criminal law, employment and labor law, environmental law, family law, food law, health and medical law, immigration law, intellectual property law, international law, land use and real estate law, military law, science and technology law, sports and entertainment law, and other specialties. Service/civic learning and networking opportunities may be provided to develop internship placements and mentoring arrangements in order to obtain law or law-related experience, to prepare for additional legal education or employment, and to explore interest in various occupations within the diverse field of law. Since POLSC 35A and LAW 35A are cross listed courses, credit may be awarded for either POLSC 35A or LAW 35A but not both. (HBCU, CSU)

## COURSE DESCRIPTIONS

### **POLS 50SS Special Studies: Political Science**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** POLS C1000

American Government and Politics with a grade of "B" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in Political Science. The course includes research, directed reading, fieldwork or other advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

### **POLS 69V Internship:**

**Government**

**Units:** 1-4

**Hours:** 48-216 hours

**WORK EXPERIENCE**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Limitations on Enrollment:**

Students must enroll in a minimum of one course at San Joaquin Delta College in a discipline related to their work experience. This course may be taken concurrently or may have been taken in the semester immediately prior.

This course is a supervised internship in a federal, state or local government office, political campaign office, policy-related organization or law firm. The student assists in the operation of the office and engages in specific research projects related to his/her position. Each student is engaged in a specific research project or on-the-job learning activities under the supervision of a work-site supervisor and a college internship instructor. Students must work a minimum of 48 hours per unit earned. To register, complete an application form available at the Occupational Work Experience (OWE) Office, Holt 140. (CSU)

### **POLS /LAW 35A Pathway to Law Program Seminar: Orientation**

**Units:** 1

**Hours:** 18 hours LEC

This course introduces students to the Pathway to Law program as the first in a series of seminar courses. Through a selection of class activities, possible field trips, readings, and guest lectures, students will be introduced to a variety of specializations and occupations within the field of law. These may include a variety of occupational opportunities in animal law, alternative dispute resolution, art law, business law, civil rights law, criminal law, employment and labor law, environmental law, family law, food law, health and medical law, immigration law, intellectual property law, international law, land use and real estate law, military law, science and technology law, sports and entertainment law, and other specialties. Service/civic learning and networking opportunities may be provided to develop internship placements and mentoring arrangements in order to obtain law or law-related experience, to prepare for additional legal education or employment, and to explore interest in various occupations within the diverse field of law. Since POLSC 35A and LAW 35A are cross listed courses, credit may be awarded for either POLSC 35A or LAW 35A but not both. (HBCU, CSU)

## **Psychology**

### **PSYC C1000 Introduction to Psychology**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

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. Formerly PSYCH 1. (UC, CSU, C-ID PSY 110)

### **PSYC 2 Statistical Methods for Psychology & Social Science**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** Successful completion of Intermediate Algebra or appropriate placement as determined by the college's multiple measures assessment process.

**Advisories:** PSYC C1000 with a grade of "C" or better.

This course is an introduction to the basic statistical methods and analyses commonly used in psychological and sociological research. Topics include: descriptive and inferential statistics usually include levels and types of measurement; measures of central tendency and dispersion; normal, t, and chi-square distributions; probability and hypothesis testing; correlation and regression. Applications of statistical software to psychology, sociology and/or other social science data required. (UC, CSU, C-ID SOCI 125)

### **PSYC 3 Personal and Social Psychology**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 5 & 6; CSU Areas D & E; IGETC Area 4

**Term Typically Offered:** Every term

**Prerequisites:** PSYC C1000 Introduction to Psychology with a grade of "C" or better.

This course is designed with an applied focus for students interested in how psychology is used in everyday life and is related to other social sciences. The course surveys different psychological perspectives and theoretical foundations and how these are applied across a person's life taking into account the influence of factors such as culture, gender, ethnicity, historical cohort, and socio-economic status. A broad understanding of how scientists, clinicians, and practitioners study and apply psychology is emphasized. (HBCU, UC, CSU, C-ID PSY 115)

### **PSYC 4 Introduction to Research Methods in Psychology**

**Units:** 3

**Hours:** 36 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

## COURSE DESCRIPTIONS

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

**Prerequisites:** PSYC C1000 Introduction to Psychology and PSYC 2 Statistical Methods for Psychology & Social Science or STAT C1000 Introduction to Statistics with a grade of "C" or better.

This course surveys various psychological 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 examined through a review of research in a variety of the subdisciplines of psychology. (HBCU, UC, CSU, C-ID PSY 200)

### **PSYC 5 Introduction to Biological Psychology**

**Units:** 4

**Hours:** 54 hours LEC; 54 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PSYC C1000 Introduction to Psychology with a grade of "C" or better.

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course introduces the scientific study of the biological bases of behavior and its fundamental role in the neurosciences. Physiological, hormonal, and neurochemical mechanisms, and brain-behavior relationships underlying the psychological phenomena of sensation, perception, regulatory processes, emotion, learning, memory, and psychological disorders will be addressed. The course also notes historical scientific contributions and current research principles for studying brain-behavior relationships and mental processes. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental research. (HBCU, UC, CSU, C-ID PSY 150)

### **PSYC 6 Lifespan Psychology**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every

term

**Prerequisites:** PSYC C1000

Introduction to Psychology with a grade of "C" or better.

This course provides an overview, from a psychological perspective, of human development from conception through death, including biological and environmental influences. Theories and research of physical, cognitive, personality, and social development are examined, as well as attention to developmental problems. (HBCU, UC, CSU, C-ID PSY 180)

### **PSYC 7 Abnormal Psychology**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PSYC C1000 Introduction to Psychology with a grade of "C" or better.

This course introduces the scientific study of psychopathology and atypical behaviors, broadly defined. Students investigate abnormal behavior from a variety of perspectives including biological, psychological, and sociocultural approaches. An integrative survey of theory and research in abnormal behavior, and intervention and prevention strategies for psychological disorders are also introduced. (HBCU, UC, CSU, C-ID PSY 120)

### **PSYC 11 Assessment for Treatment Planning**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E and PSYC C1000 with a grade of "C" or better.

This course is the study and evaluation of techniques used in the treatment of chemical dependency. The content focuses on the exploration of substance use, abuse and addiction, assessment screening tools, 12 core functions of a substance abuse counselor, and treatment modalities. Topics include assessment and screening, intervention, relapse prevention, DSM-V diagnostic criteria, and discharge planning. (CSU)

### **PSYC 13 Law, Ethics and Communicable Disease in Counseling**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E and PSYC C1000 with a grade of "C" or better.

This course is designed to teach students about professional ethics in the counseling field including but not limited to careers in drug and alcohol abuse, mental health, human service and schools. Topics will include boundaries, code of conduct, confidentiality including 42 CFR Part II, HIPAA (Health Insurance Portability Accountability Act, etc.), sexual harassment, American with Disabilities Act (ADA) and special populations including Gay, Lesbian, Bisexual and Transgender (GLBT), criminal justice system (Drug Courts, Re-Entry Courts, Proposition 36, AB 109, etc.), etc. Communicable diseases (HIV, AIDS, Hepatitis A, B, C and other sexually transmitted infections) and blood borne pathogens will also be included. The course includes seven hours of personal and professional growth including but not limited to professional conduct and standards and translation of the code of ethics into professional behavior. Class activities will involve role playing and review of ethical situations. (CSU)

### **PSYC 15 Selected Topics: Psychology**

**Units:** 0.5-4

This course is designed to offer instruction in one of the specialized areas of psychology not already covered by the existing curricula. (CSU)

### **PSYC 16 Introduction to Counseling Skills**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is an introduction to the counseling process through examination of the roles and characteristics of the counselor and the client. Basic skills involved in problem identification and problem solving are discussed and practiced through simulated role situations. The student learns to use his/her relationship with clients to develop the alliance necessary for change via establishing rapport with clients,

## COURSE DESCRIPTIONS

enlisting the client in the development of treatment plans, and making appropriate client referrals. The student practices active listening and other communication skills in simulated client interview settings for special populations such as addiction. Student will explore personal and professional growth as it relates to these topics. (CSU)

### **PSYC 17 Introduction to Counseling Theories (Individual, Group & Family)**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Advisories:** PSYC C1000 with a grade of "C" or better.

This course is designed to stress basic skills for effective one-on-one, group and family counseling in a variety of settings including human service programs, substance abuse programs, mental health and private agencies through discussion and simulated counseling situations. The course will cover a variety of theories including motivational interviewing, cognitive behavioral therapy, REBT, Reality therapy, and Family systems. Student will explore personal and professional growth as it relates to these topics. (CSU)

### **PSYC 26 Co-Occurring Disorders: Treatment and Management**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PSYC 7 Abnormal Psychology with a grade of "C" or better.

This course is designed to explore and gain an understanding of people with mental health symptoms in more than one category. It introduces students to various disorders from infancy, childhood, adolescence and adulthood. Concepts, definitions, and features of dual diagnosis/co-occurring disorder will be explored. Students will examine the use of the current DSM as a reference tool for understanding mental illness. Models for delivery of services to clients along with treatment modalities that focus on individual diagnoses with co-occurring disorders will be explored. Topics

include but are not limited to substance and addiction related disorders, anxiety, adjustment, trauma, and sexual and gender identity disorders. (HBCU, CSU)

### **PSYC 30 Human Sexuality**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Areas 5 & 6; CSU Areas D & E; IGETC Area 4

**Term Typically Offered:** Every term

This course is an introduction to human sexuality. It covers the biological, psychological, social, cultural, and historical aspects of human sexuality. Students engage in discussions regarding social and psychological issues of fertility, pregnancy and childbirth, different methods of birth control, sexually transmitted diseases, sexual behavior, homosexuality and bisexuality and intercourse. Students evaluate their own sexual behavior, and attitudes. This course is academic rather than therapeutic. Since PSYC 30 and BIOL 30 are cross listed courses, credit may be awarded for either PSYC 30 or BIOL 30 but not both. (HBCU, UC, CSU, C-ID PSY 130)

### **PSYC 40 Case Management and Treatment Planning**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is a review of basic skills for effective and efficient case work management, which includes the following: goal analysis; identification and specification of client objectives; case planning; client contracting; data collection and record keeping; and client progress, evaluation, and reporting. Skills are applied using actual client examples. Participants write case plans, client contracts and treatment goals, and demonstrate mastery of all other case work management skills. (CSU)

### **PSYC 45A Beginning Field Practicum**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PSYC C1000 Introduction to Psychology and

PSYC 13 Law, Ethics and Communicable Disease in Counseling with a grade of "C" or better.

This course is designed to provide an opportunity for the student to have guided experiences in one of the following settings: drug and alcohol, mental health, or human service agencies. The student observes professional staff working with clients in public agencies and engages in supervised field experience at a social service or related agency. Three hours in class is required each week to integrate practical experiences with theory learned in social science courses. A minimum of 120 hours of field experience in addition to class schedule is required to receive credit for the course. Since PSYC 45A and SOCIO 45A are cross listed courses, credit may be awarded for either PSYC 45A or SOCIO 45A but not both. (HBCU, CSU)

### **PSYC 45B Intermediate Field Practicum**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PSYC 45A

Beginning Field Practicum with a grade of "C" or better.

This course is designed to provide an opportunity for the student to have continued guided experiences and the development of clinical skills, assessment strategies, and practice counseling theory in one of the following settings: drug and alcohol, mental health, or a human service agency. The student observes professional staff working with clients in a public agency and engages in supervised field experience at a social service or related agency. Three hours in class is required each week to integrate practical experiences with theory learned in social science courses. A minimum of 135 hours of field experience in addition to a class schedule is required to receive credit for the course. Since PSYC 45B and SOCIO 45B are cross listed courses, credit may be awarded for either PSYC 45B or SOCIO 45B but not both. (HBCU, CSU)

## COURSE DESCRIPTIONS

### **PSYC 50SS Special Studies: Psychology**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** PSYC C1000

Introduction to Psychology with a grade of "C" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in psychology. The course includes research, directed reading, fieldwork or other advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

### **PSYC 52 Introduction to Substance Abuse Counseling**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every fall term

This course is an overview of the substance abuse/addiction counseling industry. Course content will examine the history of alcohol and other mood changing drugs in the US; the patterns and progression of addiction, regulatory issues; the myths and stereotypes of alcohol/drug use; sociocultural factors that contribute to the use of drugs; disease model including signs and symptoms, research, neurobiological, AMA definition, and Jellinek's work. It covers the eight domains of knowledge in the field of addiction: Clinical Evaluation, Treatment Planning, Referral, Service Coordination, Counseling Clients, Family and Community Education, Documentation and Professional and Ethical Responsibility. Additionally, the 12 core functions (Screening, Intake, Orientation, Assessment, Treatment Planning, Counseling, Case Management, Crisis Intervention, Client Education, Referrals, Record-keeping and Consultation with Relevant Professionals) are explored. Community resources, advocacy

and educational programs will be covered. Career pathways, employment opportunities, coupled with state and national licensing requirements, will be discussed (including a review of the State of California Counselor Regulations and code of conduct). This course includes 7 hours of personal and professional growth content. (HBCU, CSU)

### **PSYC 53 Drugs and Society**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to give the student a basic pharmacology of the drugs of abuse as well as some effective skills to deal with the lifestyle of the abuser. The information provided aids the human services students in establishing a positive counseling relationship with drug dependent individuals and in giving those individuals life-skills. (CSU)

### **PSYC 70 Corequisite Support for Statistical Methods for Psychology and Social Science**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Corequisites:** PSYC 2.

This course is designed to be a review of core prerequisite skills, concepts, and techniques used in various statistical analyses. The topics include review of descriptive and inferential statistics, probability, sampling distributions, hypothesis testing and statistical inference, with applications in psychology and social science. Units earned in this course do not count toward the associate degree.

### **PSYC 75 Selected Topics:**

**Psychology**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Psychology not already covered by the existing curriculum.

### **PSYC /BIOL 30 Human Sexuality**

**Units:** 3

**Hours:** 54 hours LEC

**General Education:** Delta Areas 5 & 6; CSU Areas D & E; IGETC Area 4

This course is an introduction to human sexuality. It covers the biological, psychological, social, cultural, and historical aspects of human sexuality. Students engage in discussions regarding social and psychological issues of fertility, pregnancy and childbirth, different methods of birth control, sexually transmitted diseases, sexual behavior, homosexuality and bisexuality and intercourse. Students evaluate their own sexual behavior, and attitudes. This course is academic rather than therapeutic. Since PSYCH 30 and BIOL 30 are cross listed courses, credit may be awarded for either PSYCH 30 or BIOL 30 but not both. (HBCU, UC, CSU, C-ID PSY 130)

### **PSYC /SOCIO 45A Beginning Field Practicum**

**Units:** 3

**Hours:** 54 hours LEC

**Prerequisites:** PSYC C1000

Introduction to Psychology and PSYC 13 Law, Ethics and Communicable Disease in Counseling with a grade of "C" or better.

This course is designed to provide an opportunity for the student to have guided experiences in one of the following settings: drug and alcohol, mental health, or human service agencies. The student observes professional staff working with clients in public agencies and engages in supervised field experience at a social service or related agency. Three hours in class is required each week to integrate practical experiences with theory learned in social science courses. A minimum of 120 hours of field experience in addition to class schedule is required to receive credit for the course. Since PSYCH 45A and SOCIO 45A are cross listed courses, credit may be awarded for either PSYCH 45A or SOCIO 45A but not both. (HBCU, CSU)

### **PSYC /SOCIO 45B Intermediate Field Practicum**

**Units:** 3

**Hours:** 54 hours LEC

**Prerequisites:** PSYC 45A

Beginning Field Practicum with a grade of "C" or better.

This course is designed to provide an opportunity for the student to have guided experiences in one of the following settings: drug and alcohol, mental health, or human service agencies. The student

observes professional staff working with clients in public agencies and engages in supervised field experience at a social service or related agency. Three hours in class is required each week to integrate practical experiences with theory learned in social science courses. A minimum of 120 hours of field experience in addition to class schedule is required to receive credit for the course. Since PSYCH 45A and SOCIO 45A are cross listed courses, credit may be awarded for either PSYCH 45A or SOCIO 45A but not both. (HBCU, CSU)

## **Radiologic Technology**

### **RAD 10 Introduction to Radiography**

**Units:** 3.5

**Hours:** 63 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** BIOL 31 Human Anatomy, BIOL 32 Human Physiology, H S 36 Medical Terminology and Speech, ENGL C1000 Academic Reading and Writing or ENGL C1000E Academic Reading and Writing Embedded Support, PSYC C1000 Introduction to Psychology, CS 11 Fundamentals of Computer Science or CSA 20 Computer Information Systems Applications, and successful completion of Intermediate Algebra or appropriate placement as determined by the college's multiple measures assessment process.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program. Finger printing & Criminal Record Clearance.

This course is designed to provide an overview of the field of Radiologic Technology. Emphasis is placed on methods of promoting optimal patient care and the importance of developing a professional and caring attitude. Ethics and professional organizations are covered. Factors required for X-ray production are discussed including detailed instruction of the beneficial and destructive potentials of ionizing radiation. Safe radiation protection procedures for self, patients, and hospital personnel are discussed. The course includes body mechanics, infection control, and fundamentals of venipuncture and medical computer systems. (CSU)

### **RAD 10A Beginning Clinical Laboratory**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Corequisites:** RAD 10 Introduction to Radiography.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program. Finger printing & Criminal Record Clearance.

This course is designed to provide an introduction to clinical radiographic training. The course includes practical training in the functions of the darkroom, office, computer systems, file rooms, and training involving patient transportation. An introduction to x-ray equipment and technical factor selection is included, as well as lab practice in venipuncture. (CSU)

### **RAD 10B Intermediate Clinical Laboratory**

**Units:** 6

**Hours:** 342 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** RAD 10A Beginning Clinical Laboratory, with a grade of "C" or better.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to provide clinical radiographic training. The course includes examinations of the chest, extremities, shoulder and pelvic girdles and abdomen all done under direct supervision. Technical factor selection and equipment manipulation are included. Portable and operating room radiography are also included in this course. (CSU)

### **RAD 11 Radiographic Positioning and Terminology**

**Units:** 6

**Hours:** 90 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** RAD 10 Introduction to Radiography with a grade of "C" or better.

**Corequisites:** RAD 12 and RAD 13.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to introduce positioning techniques, medical terminology, and anatomy as they relate to the chest, abdomen, extremities, shoulder and pelvic girdles, spinal column, and alimentary system. Portable and operating room procedures, proper

equipment selection, immobilization, and radiation protection procedures are stressed. Identification of anatomical structures is supported through film critique sessions of radiographs. (CSU)

### **RAD 12 Radiographic Anatomy**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** RAD 10 Introduction to Radiography with a grade of "C" or better.

**Corequisites:** RAD 11 and RAD 13.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to introduce anatomical terminology; cell division; structure of skin, bones and joints; as well as structure of the extremities, vertebral column, and thorax. Radiographic imaging methods of these structures are presented, as well as common pathological conditions identified in radiography. (CSU)

### **RAD 13 Principles of Radiographic Technique**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** RAD 10 Introduction to Radiography with a grade of "C" or better.

**Corequisites:** RAD 11 and RAD 12.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to introduce the student to the principles involved in producing a diagnostic radiograph. The course includes detailed instruction in radiographic film, equipment, and accessories utilized in image production. The primary factors of kilovoltage (KV), milliamperage (MA), time, and distance are explained. Practical application of exposure calculations is performed. Also included is: discussion of the sensitometric properties of x-ray film; quality control, patient characteristics; pathological conditions relative to technique selection; the principles and designs of radiographic technique charts; and fundamental principles of digital radiography and fluoroscopy. (CSU)

## COURSE DESCRIPTIONS

### **RAD 14 Imaging Processing**

**Units:** 1

**Hours:** 18 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** RAD 13 Principles of Radiographic Technique, with a grade of "C" or better.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to acquaint the student with: the principles associated with processing room design and function; film storage and handling, manual, automatic and digital processing chemicals and techniques; automatic processor systems and functions; latent image formation; identification and causes of film artifacts, and silver recovery/fixer recycling systems. To stay abreast of the transitions and current developments in the field of Medical Imaging, the course will progressively emphasize digital image processing and deemphasize film processing. Also included are quality control and repeat analysis. (CSU)

### **RAD 20 Advanced Radiographic Positioning and Terminology**

**Units:** 4

**Hours:** 54 hours LEC; 72 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** RAD 11

Radiographic Positioning and Terminology with a grade of "C" or better.

**Corequisites:** RAD 20A, RAD 21, and RAD 22.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to introduce positioning techniques, medical terminology, related anatomy, and preparation for specialized procedures including radiography: the bony thorax, skull, facial bones, sinuses, mastoids, urinary and biliary systems, circulatory systems, female reproductive system, sialography, tomography, pediatric radiography, and arthrography. Proper equipment selection, immobilization, and radiation protection procedures are stressed. Proper demonstration and identification of required anatomical structures are supported through film critique sessions of radiographs. An introduction to Computed Tomography (CT) and Magnetic Resonance Imaging (MRI) is included. (CSU)

### **RAD 20A Advanced Clinical Laboratory**

**Units:** 8

**Hours:** 432 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** RAD 10B

Intermediate Clinical Laboratory with a grade of "C" or better.

**Corequisites:** RAD 20, RAD 21, and RAD 22.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to emphasize positioning techniques and technical factor calculation. An introduction to positioning of the skull, facial bones, mastoids, and the thorax is included. The student participates in specialized radiographic procedures including myelography, sialography, hysterothorography, arthrography, arteriography, and other specialized procedures requiring sterile and aseptic techniques. (CSU)

### **RAD 21 Advanced Radiographic Anatomy**

**Units:** 2

**Hours:** 36 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** RAD 12

Radiographic Anatomy with a grade of "C" or better.

**Corequisites:** RAD 20, RAD 20A, and RAD 22.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to introduce the student to complex systems of the body. The course includes the structures of the various parts of each specialized system. The systems involved are the muscular, circulatory, digestive, genitourinary, nervous, endocrine, and others. Radiographic application of these systems is presented as well as common anomalies and pathologies related to these systems as indicated by radiographic examination. Detailed study of the skull and facial bones is included. (CSU)

### **RAD 22 Fundamentals of X-Ray and Radium Physics**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**Corequisites:** RAD 20, RAD 20A, and RAD 21.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to introduce the structure of the atom, concepts of mechanics, electromagnetic radiation, electromagnetism, electrodynamics, electrostatics, electric generators and motors. The production and control of high voltage rectifiers, and the components and principles of operation of the x-ray circuit are also included. Properties of x-rays, x-ray production, and x-ray interaction with matter are detailed. Performing calculations utilizing the English and metric systems are covered. (CSU)

### **RAD 23 Positioning and Technical Laboratory**

**Units:** 0.5

**Hours:** 36 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** RAD 13 Principles of Radiographic Technique with a grade of "C" or better.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to introduce the practical application of technical exposure calculations, accessory equipment, positioning techniques, and radiation protection procedures. (CSU)

### **RAD 30 Intermediate Positioning and Technical Laboratory**

**Units:** 0.5

**Hours:** 36 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** RAD 23 Positioning and Technical Laboratory with a grade of "C" or better.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to explore the practical application of technical exposure calculations, accessory equipment, positioning techniques, and radiation protection at the intermediate level. The student learns how to identify and obtain radiographs of optimal quality. (CSU)

### **RAD 30A Senior Clinical Laboratory**

**Units:** 5

**Hours:** 288 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** RAD 20A Advanced Clinical Laboratory with a grade of "C" or better.

**Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to provide

## COURSE DESCRIPTIONS

clinical training in radiographic procedures under direct or general supervision. The course includes rotation through surgery magnetic resonance imaging (MRI), ultrasound, mammography, computed tomography (CT), nuclear medicine, special procedures, radiation therapy, and general radiography. (CSU)

### **RAD 30B Advanced Senior Clinical Laboratory**

**Units:** 10

**Hours:** 558 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** RAD 30A Senior Clinical Laboratory with a grade of "C" or better.

#### **Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to provide advanced clinical training in radiographic procedures. The student obtains experience in a surgical setting with axial tomography, ultrasound, mammography, computed tomography (CT), nuclear medicine, special procedures, radiation therapy, and general radiography. (CSU)

### **RAD 31 Advanced Positioning and Technical Laboratory**

**Units:** 1

**Hours:** 72 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** RAD 30 Intermediate Positioning and Technical Laboratory with a grade of "C" or better.

#### **Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to introduce the application of test tools used for quality control in routine radiography, fluoroscopy, and for determining radiation exposure doses. Emphasis is placed on the utilization of techniques which limit radiation dosage to the patient. (CSU)

### **RAD 32 Sectional Anatomy**

**Units:** 2

**Hours:** 27 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** RAD 21 Advanced Radiographic Anatomy with a grade of "C" or better.

#### **Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to provide

student with an understanding of anatomy in three dimensions. Transverse, sagittal, and coronal sections of anatomy are discussed, along with dimensional relationships. Utilizing examination examples of magnetic resonance imaging (MRI), computed tomography (CT), and ultrasound, each region of the body is studied. The student gains an understanding of disease process and abnormal pathology as presented in three dimensions. (CSU)

### **RAD 40 Senior Review, Adv. Radiation Protection, & Fluoroscopic Systems**

**Units:** 6

**Hours:** 108 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** RAD 10 Introduction to Radiography with a grade of "C" or better.

#### **Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed for advanced student qualifying for graduation from a 24-month program. The course includes formal instruction in radiation protection, specifically California Code of Regulations Title 17, Public Health, and the standards of the National Council on Radiation protection (NCRP). In preparation for the state and national examinations, a comprehensive review of materials covered throughout the two-year period is included with additional information on imaging equipment and innovative technology. (CSU)

### **RAD 40A Radiographic Laboratory**

**Units:** 9

**Hours:** 504 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** RAD 30B Advanced Senior Clinical Laboratory with a grade of "C" or better.

#### **Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to continue the practical training in radiographic procedures under general supervision with emphasis on perfecting all radiologic examination techniques. Further exposure to angiographic procedures and specialized fluoroscopic examinations is included as well as rotations through computed tomography (CT), ultrasound,

nuclear medicine, and magnetic resonance imaging (MRI). (CSU)

### **RAD 41 Radiographic Pathology and Image Critique**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Prerequisites:** RAD 32 Sectional Anatomy with a grade of "C" or better.

#### **Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to provide an overview of human pathologies. The student identifies changes that occur with disease and injury and their application to radiologic Technology. The student gains an understanding of these disease processes in order to handle seriously ill or injured patients by selecting positions and technical factors which produce quality diagnostic radiographs. (CSU)

### **RAD 42 Senior Clinical Elective Lab**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** RAD 40 Senior Review, Adv. Radiation Protection, & Fluoroscopic Systems with a grade of "C" or better.

#### **Limitations on Enrollment:**

Admission to the Radiological Technology Program.

This course is designed to continue the practical training in radiographic procedures under the general supervision of a licensed radiologic technologist with an emphasis on special radiographic examination techniques in student-selected elective clinical rotations. Examples include angiographic procedures, specialized fluoroscopic examinations, directed rotations through computerized tomography (CT), ultrasound (US), nuclear medicine, and magnetic resonance imaging (MRI). (CSU)

### **RAD 43 Capstone Clinical Lab**

**Units:** 3

**Hours:** 162 hours LAB

**Grade Options:** Letter Grade

**Prerequisites:** RAD 30B Advanced Senior Clinical Laboratory with a grade of "C" or better.

#### **Limitations on Enrollment:**

Admission to the Radiologic Technology Program.

This course is designed to continue the practical training in radiographic procedures under general

## COURSE DESCRIPTIONS

supervision with emphasis on perfecting all radiographic examination techniques in student-selected elective clinical rotations. Further exposure to angiographic procedures and specialized fluoroscopic examinations is included as well as rotations through computerized tomography (CT), ultrasound (US), nuclear medicine, and magnetic resonance imaging (MRI). (CSU)

## Religion

### RELGN 14A Great Religions of the Eastern World

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

This course is a survey of the historical development and essential beliefs of the major religions of the Eastern world. Primary emphasis is on the major phases of development and comparative insights among the great religions of the world. Course work consists of readings, lectures, and discussions in Hinduism, Buddhism, Jainism, Confucianism, and Daoism. (HBCU, UC, CSU)

### RELGN 14B Great Religions of the Western World

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

This course is a survey of the historical development and essential beliefs of the major religions of the Western world. Primary emphasis is on the major phases of development and comparative insights among the great religions of the world. Course work consists of readings, lectures, and discussions in the areas of ancient religious beliefs, Mesopotamian religions, Graeco-Roman religions, Teutonic religion, Zoroastrianism, Judaism, Christianity, and Islam. (HBCU, UC, CSU)

## Sign Language

### SL 1 Elementary American Sign Language I

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E and SL 31 with a grade of "C" or better.

This is a beginning course in a series of four in American Sign Language and Deaf Culture. Emphasis is placed on receptive and expressive skills respectively. (HBCU, UC, CSU)

### SL 2 Elementary American Sign Language II

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 6

**Term Typically Offered:** Every term

**Prerequisites:** SL 1 Elementary American Sign Language I or two years high school sign language with a grade of "C" or better.

**Advisories:** SL 32.

This is the second in a series of four courses in American Sign Language and Deaf Culture. Emphasis is placed on receptive and expressive skills respectively. (HBCU, UC, CSU)

### SL 3 Intermediate American Sign Language I

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Areas 3B & 6

**Term Typically Offered:** Every fall term

**Prerequisites:** SL 2 Elementary American Sign Language II with a grade of "C" or better.

**Advisories:** SL 33.

This course is the third in a series of four courses in American Sign Language and Deaf Culture. Emphasis is on improving speed and fluency. (HBCU, UC, CSU)

### SL 4 Intermediate American Sign Language II

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Areas 3B & 6

**Term Typically Offered:** Every spring term

**Prerequisites:** SL 3 Intermediate American Sign Language I with a grade of "C" or better.

**Advisories:** SL 34.

This course is the last in a series of four courses in American Sign Language and Deaf Culture. Emphasis is on improving speed and fluency. (HBCU, UC, CSU)

### SL 31 Elementary American Sign Language Laboratory I

**Units:** 0.5-1

**Hours:** 27-54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** SL 1 Elementary American Sign Language I with a grade of "C" or better.

**Corequisites:** SL 1.

This first course is designed to reinforce and expand American Sign Language (ASL) skills in a laboratory setting. Emphasis is placed on fingerspelling, numbers, conversational regulators, basic American Sign Language vocabulary, and basic American Sign Language communication skills. (HBCU, CSU)

### SL 32 Elementary American Sign Language Laboratory II

**Units:** 0.5-1

**Hours:** 27-54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** SL 31 Elementary American Sign Language Laboratory I and SL 2 Elementary American Sign Language II each with a grade of "C" or better.

**Corequisites:** SL 2.

This second course is designed to reinforce and expand American Sign Language (ASL) skills. In a laboratory setting, emphasis is placed on fingerspelling, numbers, conversational regulators, beginning American Sign Language vocabulary, and beginning American Sign Language communication skills. (HBCU, CSU)

### SL 33 Intermediate American Sign Language Laboratory III

**Units:** 0.5-1

**Hours:** 27-54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

## COURSE DESCRIPTIONS

**Prerequisites:** SL 32 Elementary American Sign Language Laboratory II and SL 3 Intermediate American Sign Language I each with a grade of "C" or better.

**Corequisites:** SL 3.

This third course is designed to reinforce and expand American Sign Language (ASL) skills. In a laboratory setting, emphasis is placed on fingerspelling, numbers, conversational regulators, intermediate American Sign Language vocabulary, and specific American Sign Language grammatical structure at an intermediate level. (HBCU, CSU)

### **SL 34 Intermediate American Sign Language Laboratory IV**

**Units:** 0.5-1

**Hours:** 27-54 hours LAB

**Grade Options:** Letter Grade or Pass/No Pass

**Term Typically Offered:** Every term

**Prerequisites:** SL 33 Intermediate American Sign Language Laboratory III and SL 4 Intermediate American Sign Language II each with a grade of "C" or better.

**Corequisites:** SL 4.

This is the fourth course designed to reinforce and expand American Sign Language (ASL) skills. In a laboratory setting, emphasis is placed on fingerspelling, numbers, conversational regulators, intermediate American Sign Language vocabulary, and specific American Sign Language grammatical structure at an intermediate level. (HBCU, CSU)

## **Sociology**

### **SOCIO 1A Introduction to Sociology**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

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. (HBCU, UC, CSU, C-ID SOCI 110)

### **SOCIO 1B Social Problems**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is an identification and analysis of contemporary social problems including (1) the role of power and ideology in the definition of social problems, (2) their causes and consequences, (3) evaluations of proposed solutions, and (4) methods of intervention. Topics will vary. (HBCU, UC, CSU)

### **SOCIO 5 Sociology of the Family**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D

**Term Typically Offered:** Every fall term

This course is designed to address the sociology of family and the social processes of family organization. Topics in the course include the diverse forms of the family found worldwide, family connections to the economy, marriage and divorce trends, myths about the declining family and "family values," and the realities of families living in poverty. The course examines the social, economic, gendered, and racial experiences of families in the U.S. The main goal of the course is to develop a sociological understanding of family as a social institution. (HBCU, UC, CSU)

### **SOCIO 15 Selected Topics:**

#### **Sociology**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Sociology not already covered by the existing curriculum. (CSU)

### **SOCIO 17 Introduction to Queer Studies**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

This course is a broad and general exploration of Lesbian, Gay, Bisexual, Transgender, and Queer Studies. It provides interdisciplinary, multi-perspective, critical analysis and comparative study of the broad range of contemporary lesbian, gay, bisexual, transgender, and queer issues in various contexts, including biomedical, sociological, political, cultural, economic, historical, racial, and sexual. This course will explore the relationship between LGBTQ+ individuals and the social and political constructs of gender, sexuality, and identity as they relate to social and political institutions. The values, experience, and cultural contributions of LGBTQ+ individuals in the United States will be identified, examined, and authenticated. (UC, CSU)

### **SOCIO 27 Introduction to Gender**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every spring term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a sociological analysis of the social construction of gender, masculinity, and femininity historically and cross-culturally. It examines the debates on sex and gender. It analyzes the impact of economic and political change on gender expectations and practices. It focuses on macro-analyses of how institutions shape gender and microanalyses of how individuals are socialized and how they "do" and practice gender. (HBCU, UC, CSU, C-ID SOCI 140)

### **SOCIO 33 Introduction to Race and Ethnicity**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 5; CSU Area D; IGETC Area 4

**Term Typically Offered:** Every term

**Advisories:** ENGL C1000 or ENGL C1000E with a grade of "C" or better.

This course is a sociological analysis of race, ethnicity, and racism. It examines the cultural, political, and economic practices and institutions that support or challenge racism, racial and ethnic inequalities, as well as historical

## COURSE DESCRIPTIONS

and contemporary patterns of interaction between various racial and ethnic groups. (HBCU, UC, CSU)

### **SOCIO 45A Beginning Field Practicum**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** PSYC C1000

Introduction to Psychology and PSYC 13 Law, Ethics and Communicable Disease in Counseling each with a grade of "C" or better.

This course is designed to provide an opportunity for the student to have guided experiences in one of the following settings: drug and alcohol, mental health, or human service agencies. The student observes professional staff working with clients in public agencies and engages in supervised field experience at a social service or related agency. Three hours in class is required each week to integrate practical experiences with theory learned in social science courses. A minimum of 120 hours of field experience in addition to class schedule is required to receive credit for the course. Since SOCIO 45A and PSYCH 45A are cross listed courses, credit may be awarded for either SOCIO 45A or PSYCH 45A but not both (HBCU, CSU)

### **SOCIO 45B Intermediate Field Practicum**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

**Prerequisites:** SOCIO 45A

Beginning Field Practicum with a grade of "C" or better.

This course is designed to provide an opportunity for the student to have continued guided experiences and the development of clinical skills, assessment strategies, and practice counseling theory in one of the following settings: drug and alcohol, mental health, or a human service agency. The student observes professional staff working with clients in a public agency and engages in supervised field experience at a social service or related agency. Three hours in class is required each week to integrate practical experiences with

theory learned in social science courses. A minimum of 135 hours of field experience in addition to a class schedule is required to receive credit for the course. Since SOCIO 45B and PSYCH 45B are cross listed courses, credit may be awarded for either SOCIO 45B or PSYCH 45B but not both (HBCU, CSU)

### **SOCIO 50SS Special Studies: Sociology**

**Units:** 1-4

**Hours:** 48-216 hours

**INDEPENDENT STUDY**

**Grade Options:** Letter Grade

**Term Typically Offered:** Upon student request

**Prerequisites:** SOCIO 1A

Introduction to Sociology or SOCIO 1B Social Problems with a grade of "B" or better.

**Limitations on Enrollment:** A student must have completed a minimum of 12 units at the District and have a 2.5 minimum overall grade point average within the course discipline. In addition, an independent study contract must be signed by the student, instructor of record, and dean who will certify the student is qualified for enrollment. This course is designed for the student qualified to do advanced work in Sociology. The course includes research, directed reading, fieldwork or other advanced study which must be arranged and approved by the instructor and the Dean before enrolling in the course. (CSU)

### **SOCIO 75 Selected Topics:**

**Sociology**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Sociology not already covered by the existing curriculum.

### **SOCIO /PSYC 45A Beginning Field Practicum**

**Units:** 2

**Hours:** 54 hours LEC

**Prerequisites:** PSYC C1000

Introduction to Psychology and PSYC 13 Law, Ethics and Communicable Disease in Counseling each with a grade of "C" or better.

This course is designed to provide an opportunity for the student to have guided experiences in one of the following settings: drug and alcohol, mental health, or human service agencies. The student

observes professional staff working with clients in public agencies and engages in supervised field experience at a social service or related agency. Three hours in class is required each week to integrate practical experiences with theory learned in social science courses. A minimum of 120 hours of field experience in addition to class schedule is required to receive credit for the course. Since SOCIO 45A and PSYCH 45A are cross listed courses, credit may be awarded for either SOCIO 45A or PSYCH 45A but not both (HBCU, CSU)

### **SOCIO /PSYC 45B Intermediate Field Practicum**

**Units:** 3

**Hours:** 54 hours LEC

**Prerequisites:** SOCIO 45A

Beginning Field Practicum with a grade of "C" or better.

This course is designed to provide an opportunity for the student to have continued guided experiences and the development of clinical skills, assessment strategies, and practice counseling theory in one of the following settings: drug and alcohol, mental health, or a human service agency. The student observes professional staff working with clients in a public agency and engages in supervised field experience at a social service or related agency. Three hours in class is required each week to integrate practical experiences with theory learned in social science courses. A minimum of 135 hours of field experience in addition to a class schedule is required to receive credit for the course. Since SOCIO 45B and PSYCH 45B are cross listed courses, credit may be awarded for either SOCIO 45B or PSYCH 45B but not both (HBCU, CSU)

## **Spanish**

### **SPAN 1 Elementary Spanish I**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3

**Term Typically Offered:** Every term

This course is an introduction to the Spanish language in cultural context. Emphasis is placed on communication skills (listening, speaking, reading and writing) and cultural understanding. The course

explores the diversity of cultures of the Spanish-speaking world by analyzing historical perspectives, cultural behaviors, social institutions and literary and artistic manifestations. The students will interact with authentic language in a cultural context. Completion of the course is equivalent to the satisfactory completion of two years of high school Spanish. (UC, CSU, C-ID SPAN 100)

**SPAN 1H Honors Elementary Spanish I**

**Units:** 5

**Hours:** 90 hours LEC

**Grade Options:** Letter Grade

This course is an honors level introduction to the Spanish language and Spanish cultures/area studies, including advanced material and cutting-edge topics/trends. Emphasis is placed on communication skills (listening, speaking, reading and writing) and cultural understanding (behaviors, institutions, perspectives and artistic manifestations). The students will interact with authentic language in a cultural context. This honors level course encourages application of course knowledge to real-world problems/situations in a Spanish-speaking socio-cultural and linguistic context. Since SPAN 1H and SPAN 1 are equivalent courses, credit may be awarded for either SPAN 1H or SPAN 1 but not both. (CSU)

**SPAN 2 Elementary Spanish II**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 6

**Term Typically Offered:** Every term

**Prerequisites:** SPAN 1 Elementary Spanish I, SPAN 1H Honors Elementary Spanish I or two years high school Spanish with a grade of "C" or better.

This course continues to teach language acquisition in a cultural context through listening, speaking, reading and writing at the second semester level. The students will continue to interact with authentic language in cultural context. The course explores the diversity of cultures of the Spanish-speaking world by analyzing historical perspectives, cultural behaviors, social institutions and literary and artistic manifestations. (UC, CSU, C-ID SPAN 110)

**SPAN 3 Intermediate Spanish I**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Areas 3B & 6

**Term Typically Offered:** Every fall term

**Prerequisites:** SPAN 2 Elementary Spanish II or three years high school Spanish with a grade of "C" or better.

This course is designed to offer a continued study of the Spanish language and Spanish cultures/area studies at the intermediate level. Emphasis is placed on communication skills (listening, speaking, reading, and writing) and cultural understanding (behaviors, institutions, perspectives, and artistic manifestations). The students will interact with authentic language in a cultural context. (UC, CSU, C-ID SPAN 200)

**SPAN 3A Spanish for Spanish Speakers I**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Areas 3B & 6

**Term Typically Offered:** Every term

**Prerequisites:** SPAN 2 Elementary Spanish II with a grade of "C" or better, three years of high school Spanish or equivalent, or instructor consent.

This course is designed for heritage speakers of Spanish or other linguistically qualified students. It provides instruction that builds upon the existing reading, writing, speaking and listening skills and the cultural heritage and knowledge of these students. The course will increase awareness of linguistic registers, discuss items beyond the familiar routine and develop an appreciation for Hispanic cultures as manifested in Spanish speaking countries and in the United States. This course is entirely conducted in Spanish. (HBCU, UC, CSU, C-ID SPAN 220)

**SPAN 4 Intermediate Spanish II**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Areas 3B & 6

**Term Typically Offered:** Every spring term

**Prerequisites:** SPAN 3

Intermediate Spanish I or four years high school Spanish with a grade of "C" or better.

This course continues to expand language acquisition through listening, speaking, reading, and writing in the cultural context of the Spanish-speaking world. Students continue to develop proficiency in oral and written communication. Course content focuses on expressing nuanced meaning, expressing opinions, or making recommendations, and discussing more complex issues using abstract and conceptual vocabulary. Upon completion of this course, students demonstrate increased awareness of cultural context. (UC, CSU, C-ID SPAN 210)

**SPAN 4A Spanish for Spanish Speakers II**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 6

**Term Typically Offered:** Every term

**Prerequisites:** SPAN 3A Spanish for Spanish Speakers I with a grade of "C" or better.

This course continues to provide instruction that builds upon the existing reading, writing, speaking and listening skills and the cultural heritage and knowledge of these students. The course will continue to increase awareness of linguistic registers, discuss items beyond the familiar routine and expand upon their appreciation for Hispanic cultures as manifested in Spanish speaking countries and in the United States. This course is entirely conducted in Spanish. (HBCU, UC, CSU, C-ID SPAN 230)

**SPAN 5 Advanced Spanish Introduction to Literature I**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Areas 3B & 6

**Term Typically Offered:** Every even fall term

**Prerequisites:** SPAN 4

Intermediate Spanish II or SPAN 4A Spanish for Spanish Speakers II with a grade of "C" or better. This course surveys culture and literature within the literary movements of Spain and Latin America at the third year level of the college curriculum. The course introduces the basic literary

## COURSE DESCRIPTIONS

concepts and analysis of all literary genres. Lectures and discussions are conducted entirely in Spanish. (HBCU, UC, CSU)

### **SPAN 6 Advanced Spanish Introduction to Literature II**

**Units:** 3

**Hours:** 54 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Areas 3B & 6

**Term Typically Offered:** Every odd spring term

**Prerequisites:** SPAN 5 Advanced Spanish Introduction to Literature I with a grade of "C" or better.

This course is a continuation that surveys culture and literature within the literary movements of Spain and Latin America at the third year level of the college curriculum. The course expands on the literary concepts and analysis of all literary genres. Lectures and discussions are conducted entirely in Spanish. (HBCU, UC, CSU)

### **SPAN 20 Introduction to Chicana/o and Latina/o Studies through Literature**

**Units:** 5

**Hours:** 90 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 3; CSU Area C2; IGETC Area 3B

**Term Typically Offered:** Every term

**Advisories:** Ability to understand spoken and written Spanish. This course examines Chicana and Latina culture, as related to its history and experience in U.S. society, through analysis of the historical development and current trends in Chicana/o and Latina/o literature. The course introduces Chicana/o and Latina/o Studies as an academic discipline through engaging in literary analysis of a representative overview of Chicana/o and Latina/o literary production. Coursework includes a survey of folk, traditional, and contemporary Chicana/o and Latina/o literature with critical analysis of representative works in a selection of the literary genres: the essay, short stories, the novel, poetry, music, cinema, drama, and new media. Texts focus on the construction of identity, representation, self-determination, and the role of multilingualism (Caló/Pachuco, Chicana/o and Latina/o English, indigenous languages (Nahuatl, Purépecha/Tarascan), and

Spanish) and symbolism in Chicana/o and Latina/o social justice movements in the United States in order to increase understanding of the cultural values, intersectionality, and lifestyles of Chicana/o and Latina/o communities. The course introduces students to such inspirational writers as Rudolfo Anaya, Tomas Rivera, Sandra Cisneros, Ana Castillo, Ron Arias, Jose Antonio Burciaga, Luis Valdez, Rodolfo "Corky" Gonzales, Jose Montoya, Lorna Dee Cervantes, Alurista, Sor Juana Ines de la Cruz, Ruben Dario, Gabriela Mistral, Eduardo Mallea, Ernesto Sabato, Horacio Quiroga, José Martí, Jorge Luis Borges, Nicolas Guillén, Mariano Azuela, Juan Rulfo, Gabriel Garcia-Marques, Julio Cortázar, Carlos Fuentes, and Mario Vargas Llosa. Assignments apply the principles and techniques of literary analysis and develop oratory skills and the ability to find, study, and develop one's voice in service of the community, as well as enhance aural comprehension, writing, and reading comprehension skills. Prior coursework in Spanish is not required. Discussions will be primarily in Spanish with some code-switching in English, readings will be primarily in Spanish or bilingual (English and Spanish), and the course requires Spanish majors to do assignments in Spanish. (HBCU, UC, CSU)

## **Welding**

### **WELDING 10 Basic Welding for the Trades**

**Units:** 4

**Hours:** 36 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to serve students who need basic welding skills. The course covers basic theory, practice and application of metal joining processes, metal cutting, and welding for ferrous and nonferrous metals and alloys. Welding methods include shielded metal arc welding (SMAW), oxy-acetylene (O/A), and an introduction to gas metal arc welding (GMAW) and gas tungsten arc welding (GTAW). (CSU)

### **WELDING 15 Selected Topics:**

#### **Welding**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Welding not already covered by the existing curriculum. (CSU)

### **WELDING 75 Selected Topics:**

#### **Welding**

**Units:** 0.5-4

This course is designed to enable the College to offer instruction in one of the specialized areas of Welding not already covered by the existing curriculum.

### **WELDING 82 Introduction to Welding and Cutting Processes for the Trades**

**Units:** 7.5

**Hours:** 72 hours LEC; 198 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to introduce the theory and application of various metal joining and cutting processes in ferrous and non-ferrous metals/alloys as they apply to the trades. Shielded Metal Arc Welding (SMAW) and Oxyfuel process manipulative skills are emphasized and Gas Metal Arc Welding/Gas Tungsten Arc Welding processes are introduced. Weld symbol/blueprint reading are also incorporated in course of study. AWS/ASME codes, standards, and safety procedures are discussed and incorporated throughout course of study.

### **WELDING 84 Shielded Metal Arc Welding (SMAW) and Oxyfuel (O/F) Processes**

**Units:** 7.5

**Hours:** 72 hours LEC; 198 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every term

This course is designed to prepare students for the extensive skills required in the Shielded Metal Arc Welding (SMAW) and Oxyfuel welding/cutting processes, in both ferrous and non-ferrous metals/alloys, as it applies in the commercial and industrial trades. Theory and application, as well as weld symbol/blueprint reading are emphasized. Manipulative skills in this process is stressed by completion of laboratory exercises and projects. AWS/ASME codes,

## COURSE DESCRIPTIONS

standards, and safety procedures are discussed and incorporated throughout course of study.

### **WELDING 86 Gas Metal Arc (GMAW) and Flux Core Arc (FCAW) Welding Processes** **Units:** 7.5

**Hours:** 72 hours LEC; 198 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

This course is designed to prepare students for the extensive skills required in the Gas Metal Arc Welding (GMAW) and the Flux Core Arc Welding (FCAW) processes as they apply in the commercial and industrial trades. Ferrous and non-ferrous metals/alloys are explored. Theory and application, as well as weld symbol/blueprint reading are emphasized. Manipulative skills in these processes are stressed by completion of laboratory exercises and projects. AWS/ASME codes, standards, and safety procedures are discussed and incorporated throughout course of study.

### **WELDING 88 Gas Tungsten Arc (GTAW) Welding Processes** **Units:** 7.5

**Hours:** 72 hours LEC; 198 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

This course is designed to prepare students for the extensive skills required in the Gas Tungsten Arc Welding (GTAW) process, in both ferrous and non-ferrous metals/alloys, as it applies in the commercial and industrial trades. Theory and application, as well as weld symbol/blueprint reading are emphasized. Manipulative skills in this process is stressed by completion of laboratory exercises and projects. AWS/ASME codes, standards, and safety procedures are discussed and incorporated throughout course of study.

### **WELDING 90 Shielded Metal Arc Welding (SMAW) - Laboratory Skills**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Limitations on Enrollment:** Health and Safety

**Advisories:** WELDING 10,

WELDING 82, WELDING 84, WELDING 86, or WELDING 88 with a grade of "C" or better.

This course is designed to develop enhanced manipulatory abilities for students requiring extensive Shielded Metal Arc Welding skills for the field in which they are entering. The course includes theory and practical application of Shielded Metal Arc Welding in a variety of positions on ferrous and non-ferrous materials. Units earned in this course do not count toward the associate degree.

### **WELDING 92 Gas Metal Arc Welding (GMAW) - Laboratory Skills**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Limitations on Enrollment:** Health and Safety

**Advisories:** WELDING 10, WELDING 82, WELDING 84, WELDING 86, or WELDING 88 each with a grade of "C" or better.

This course is designed to develop enhanced manipulatory abilities for students requiring extensive Gas Metal Arc Welding skills for the field in which they are entering. The course includes theory and practical application of Gas Metal Arc Welding in a variety of positions on ferrous and non-ferrous materials. Units earned in this course do not count toward the associate degree.

### **WELDING 94 Gas Tungsten Arc Welding (GTAW) - Laboratory Skills**

**Units:** 2

**Hours:** 108 hours LAB

**Grade Options:** Letter Grade  
**Term Typically Offered:** Every term

**Limitations on Enrollment:** Health and Safety

**Advisories:** WELDING 10, WELDING 82, WELDING 84, WELDING 86, or WELDING 88 with a grade of "C" or better.

This course is designed to develop enhanced manipulatory abilities for students requiring extensive Gas Tungsten Arc Welding skills for the field in which they are entering. The course includes theory and practical application of Gas Tungsten Arc Welding in a variety of positions on ferrous and non-ferrous materials. Units earned in this course do not count toward the associate degree.

### **WELDING 98 Metal Trade Layout, Forming, and Fabrication**

**Units:** 5

**Hours:** 54 hours LEC; 108 hours LAB

**Grade Options:** Letter Grade

**Term Typically Offered:** Every spring term

**Advisories:** INDUS 94 with a grade of "C" or better.

This course is designed to teach skills in basic layout, forming, and fabrication to better prepare the student for employment areas such as: welding/fabrication, machine shop, heating and air conditioning, and industrial/commercial maintenance personnel in metal trade industries.

## Statistics

### **STAT C1000 Introduction to Statistics**

**Units:** 4

**Hours:** 72 hours LEC

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra.

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. There is a lot of emphasis on statistical analysis, with applications in business, social sciences, psychology, life sciences, health sciences and education. Use of technology (graphing calculators, EXCEL, or similar technology) is an important component of this course. A graphing calculator is recommended. Instructor demonstrations utilize a Texas Instruments graphing calculator. Formerly STATS 12. Since STAT C1000 and STAT C1000E are

## COURSE DESCRIPTIONS

equivalent courses, credit may be awarded for either STAT C1000 or STAT C1000E but not both. (UC, CSU, C-ID MATH 110)

**STAT C1000E Introduction to Statistics Embedded Support**  
**Units:** 4.5

**Hours:** 72 hours LEC; 36 hours LAB

**Grade Options:** Letter Grade

**General Education:** Delta Area 1B; CSU Area B4; IGETC Area 2

**Term Typically Offered:** Every term

**Prerequisites:** Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate

algebra.

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. This course has embedded support. There is emphasis on statistical analysis, with applications

in business, social sciences, psychology, life sciences, health sciences and education. Use of technology (graphing calculators, EXCEL, or similar technology) is an important component of this course. A graphing calculator is recommended. Instructor demonstrations utilize a Texas Instruments graphing calculator. This course includes lab-time to provide just-in-time review of prerequisite skills, extra content instruction, and active learning opportunities to support student learning. Formerly STATS 12EX. Since STAT C1000E and STAT C1000 are equivalent courses, credit may either be awarded for STAT C1000E or STAT C1000 but not both. (UC, CSU)

# Certificates and Degrees by Area

## Accounting

### Accounting, AS

The Accounting Associate in Science Degree is an intensive study of accounting theory as it applies to the business environment designed to prepare students for employment in the fields of accounting and/or bookkeeping. The Accounting major is best suited for the student who wishes to pursue secure rewarding positions such as accounting manager, internal auditor, financial analyst, tax accountant, or controller in corporations, governmental agencies, or not-for-profit organizations. This major is also ideal for students planning to become a Certified Public Accountant (please see the educational requirements per the California Board of Accountancy).

The program also meets the needs of employed individuals seeking to learn applications of accounting theory as practiced in the field. The program provides the foundation for individuals to prepare financial statements and record business transactions for all types of business and industry. Students develop a strong knowledge base of U.S. Generally Accepted Accounting Principles (GAAP) and accounting procedures.

This program also prepares Business students for transfer to a four-year institution to pursue a bachelor's degree with an Accounting concentration. It is critical that students meet with a SJDC counselor to select and plan the courses to fulfill major requirements. Schools vary in terms of the required preparation, thus the courses that SJDC requires for an AS degree in this major may be different from the requirements needed for a Bachelor's degree. A grade of C or better is required in each course taken.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate an understanding of management decision making skills.
2. Apply accounting theory, income measurement disclosures and analysis in a corporate environment.
3. Apply GAAP to transactions relating to corporate entities and debt financing.
4. Demonstrate a basic understanding of the accounting cycle including the calculations required to prepare basic financial statements in accordance with Generally Accepted Accounting Principles (GAAP) for basic entities.
5. Demonstrate the skills and training for employment in a basic accounting or business environment and/or transfer to a four-year college or university.

### Major Requirements - Core

Complete 17 units

- BUS 1A Principles of Accounting **Units: 5**

- BUS 1B Principles of Accounting **Units: 5**
- BUS 11 Income Tax Procedures **Units: 4**
- BUS 89 QuickBooks **Units: 3**
- It is advised that BUS 1A be taken either prior to or concurrently with BUS 11, BUS 70 or BUS 89.

### Restricted Electives

#### Area A

Complete 3 units selected from:

- BUS 18A Business Law **Units: 3**
- BUS 19 Legal Environment of Business **Units: 3**

#### Area B

Complete 3 units selected from:

- BUS 15 Excel Spreadsheets **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**

#### Area C

Complete 9 units selected from:

- BUS 2 Introduction to E-Commerce **Units: 3**
- BUS 20 Introduction to Business **Units: 3**
- BUS 26 Economics of Business **Units: 3**
- BUS 67 Introduction to Personal Finance **Units: 3**
- BUS 70 Payroll Accounting **Units: 2**
- ECON 3 Principles of Microeconomics **Units: 3**
- ECON 5 Principles of Macroeconomics **Units: 3**

### Minimum Major Units Required: 32

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## CERTIFICATES AND DEGREES BY AREA

### Accounting Certificate of Achievement

Upon successful completion of the Accounting Certificate of Achievement, the student demonstrates the skills, knowledge, and training for entry-level positions as a bookkeeper, accounting supervisor, payroll clerk, or accounts payable/receivable clerk; and the skills necessary to complete up-to-date and accurate records of accounts and financial records, reconcile business-related bank statements with checkbooks, calculate employee wages and taxes from time cards, prepare and issue payroll checks, post entries to accounts receivable and payable. Individuals are able to prepare bank deposits, maintain payroll and/or inventory records, prepare purchase orders, review expense reports, and find and correct errors in financial records.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate preparedness for entry into a basic accounting or business environment.
2. Apply accounting theory, income measurement and disclosures to corporate financial statements.
3. Demonstrate a basic understanding of management decision making skills.
4. Apply Generally Accepted Accounting Principles to transactions relating to corporate entities and debt financing.
5. Demonstrate a basic understanding of the accounting cycle including computations required to prepare basic financial statements in accordance with Generally Accepted Accounting Principles (GAAP).

#### Core Requirements

Complete 18 units

- BUS 1A Principles of Accounting **Units: 5**
- BUS 1B Principles of Accounting **Units: 5**
- BUS 15 Excel Spreadsheets **Units: 3**
- BUS 70 Payroll Accounting **Units: 2**
- BUS 89 QuickBooks **Units: 3**

#### Restricted Electives

Complete 3 units selected from:

- BUS 11 Income Tax Procedures **Units: 4**
- BUS 18A Business Law **Units: 3**
- BUS 67 Introduction to Personal Finance **Units: 3**

#### Minimum Units Required: 21

Complete all courses with a grade of "C" or better.

### Accounting Clerk Certificate of Achievement

Successful completion of the Accounting Clerk certificate will provide the skills necessary for an entry-level accounting clerk or bookkeeping job. Students will learn how to account for payroll and accounts payable/receivable; prepare complete, up-to-date, and accurate records of expenses, revenues and financial files; reconcile business bank statements; track and

maintain records of employee wage and tax expenses; prepare business requisitions; post accounts receivable and payable; prepare bank deposits; maintain inventory records; compute account and expense totals; and find and correct errors in financial records.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Analyze business problems and choose the appropriate applications leading to the solutions. The applications may involve money management in bank records, payroll, trade discounts, cash discounts, markups, markdowns, and simple interest.
2. Analyze and record accounting transactions.
3. Apply the concept of production cost analysis by calculating wages, materials charged or returned.

#### Core Requirements

Complete 11 units

- BUS 1A Principles of Accounting **Units: 5** or BUS 10A Bookkeeping **Units: 3**
- BUS 15 Excel Spreadsheets **Units: 3** or CSA 20 Computer Information Systems Applications **Units: 3**
- BUS 70 Payroll Accounting **Units: 2**
- BUS 89 QuickBooks **Units: 3**
- It is advised that BUS 1A or BUS 10A be taken either prior to or concurrently with BUS 11, BUS 70, or BUS 89.

#### Restricted Electives

Area A

Complete 3 units selected from:

- BUS 1A Principles of Accounting **Units: 5** (if not completed for Core)
- BIM 38 Office Technologies and Procedures **Units: 3.5**
- BIM 39 Office Management **Units: 3**

Area B

Complete 3 units selected from:

- BUS 11 Income Tax Procedures **Units: 4**
- BUS 18A Business Law **Units: 3**
- BUS 67 Introduction to Personal Finance **Units: 3**

#### Minimum Units Required: 17

Complete all courses with a grade of "C" or better.

### Tax Preparation Certificate of Achievement

Upon successful completion of the Tax Preparation certificate, students will demonstrate skills, knowledge, and training for entry-level positions to assist tax preparers and interviewers. The student completing this program will have demonstrated their ability to accurately fill in detailed data sheets to help in the preparation of tax returns by gathering information from client interviews, collecting copies of previous tax returns, wage statements, interest and dividend summaries, and other tax records.

## CERTIFICATES AND DEGREES BY AREA

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to prepare basic federal and California income tax forms and calculate related schedules.
2. Demonstrate knowledge of revenue and expense recognition and financial statement preparation for sole proprietors.

### Core Requirements

Complete 10 units

- BUS 10A Bookkeeping **Units: 3**  
or BUS 1A Principles of Accounting **Units: 5**
- BUS 11 Income Tax Procedures **Units: 4**
- BUS 89 QuickBooks **Units: 3**
- It is advised that BUS 1A or 10A be taken either prior to or concurrently with BUS 11, BUS 70 or BUS 89.

### Restricted Electives

Area A

Complete 5 units selected from:

- BUS 67 Introduction to Personal Finance **Units: 3**
- BUS 70 Payroll Accounting **Units: 2**
- BUS 87 Small Business Accounting **Units: 3**

Area B

Complete 3 units selected from:

- BUS 18A Business Law **Units: 3**
- BUS 19 Legal Environment of Business **Units: 3**

### Minimum Units Required: 18

Complete all courses with a grade of "C" or better.

## Administration of Justice

### Administration of Justice, AS-T

The Associate in Science for Transfer degree in Administration of Justice is designed to provide a seamless pathway to transfer to a California State University for students who wish to major in Administration of Justice. The curriculum addresses basic knowledge and skills required in the criminal justice major. With an AS-T in Administration of Justice, the student will be ready to transfer to a CSU campus to finish a bachelor's degree in Criminal Justice/Criminology. Depending on the CSU campus, specializations may include corrections, law enforcement, forensics, criminal justice research/management, legal studies for prosecutorial or jurist careers, or criminology. A bachelor's degree in Criminal Justice/Criminology may lead to careers with federal, state, or local law enforcement, probation, parole, and correctional institutions, specialized criminal investigations, forensics, criminalistics, or a career in the study of crime causation or victimology.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the knowledge required to recognize elements, classifications and definitions involving crimes against persons and crimes against property.
2. Develop a plan to achieve a career in their desired area of the criminal justice system.
3. Demonstrate the ability to effectively communicate orally and in writing the results of analysis and understanding.
4. Demonstrate the ability to identify how the U.S. Constitution applies to the actions and conduct of peace officers.
5. Demonstrate the ability to define and use criminal justice system key terms, concepts and theories.
6. Demonstrate the ability to reflect critically on developments in the criminal justice policy and the relationship of these policies to the wider political and social environment.

### Major Requirements - Core

Complete 6 units

- AJ 21 Criminal Justice in Society **Units: 3**
- AJ 22 Concepts of Criminal Law **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 6 units selected from:

- AJ 23 Principles and Procedures of the Justice System **Units: 3**
- AJ 24 Legal Aspects of Evidence **Units: 3**
- AJ 25 Criminal Investigation **Units: 3**
- AJ 28 Juvenile Law and Procedures **Units: 3**
- AJ 40 Community Relations **Units: 3**
- AJ 51 Introduction to Correctional Science in America **Units: 3**

Area B

Complete 6 units selected from:

- AJ 23 Principles and Procedures of the Justice System **Units: 3**
- AJ 24 Legal Aspects of Evidence **Units: 3**
- AJ 25 Criminal Investigation **Units: 3**
- AJ 28 Juvenile Law and Procedures **Units: 3**
- AJ 30 Critical Issues in the Justice System **Units: 3**
- AJ 31 Report Preparation **Units: 3**
- AJ 40 Community Relations **Units: 3**
- AJ 51 Introduction to Correctional Science in America **Units: 3**
- AJ 53 Correctional Interviewing and Interventions **Units: 3**
- AJ 54 Introduction to Probation and Parole **Units: 3**
- AJ 55 Control and Supervision in Corrections **Units: 3**
- AJ 57 Legal Aspects of Corrections **Units: 3**
- STAT C1000 Introduction to Statistics **Units: 4**

## CERTIFICATES AND DEGREES BY AREA

- PSYC C1000 Introduction to Psychology **Units: 3**
- PSYC 2 Statistical Methods for Psychology & Social Science **Units: 3**

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Correctional Science, AS

Upon successful completion of the Associate in Science degree in Correctional Science, the student demonstrates fulfillment of the lower-division requirements for any accredited baccalaureate institution and preparation for participation in the Basic Corrections Peace Officer Academy or a job in corrections.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate fulfillment of the lower-division requirements for any accredited baccalaureate institution.
2. Apply the skills that are preparation for participation in the Basic Corrections Peace Officer Academy or entry level job skills in corrections.

### Major Requirements - Core

Complete 24 units

- AJ 21 Criminal Justice in Society **Units: 3**
- AJ 51 Introduction to Correctional Science in America **Units: 3**
- AJ 53 Correctional Interviewing and Interventions **Units: 3**
- AJ 54 Introduction to Probation and Parole **Units: 3**
- AJ 55 Control and Supervision in Corrections **Units: 3**
- AJ 57 Legal Aspects of Corrections **Units: 3**
- CS 11 Fundamentals of Computer Science **Units: 3**

- SOCIO 1A Introduction to Sociology **Units: 3**

### Major Requirements - Restricted Electives

#### Area A

Complete 3 units selected from:

- AJ 22 Concepts of Criminal Law **Units: 3**
- AJ 28 Juvenile Law and Procedures **Units: 3**
- AJ 30 Critical Issues in the Justice System **Units: 3**
- AJ 31 Report Preparation **Units: 3**
- AJ 41 Narcotics Investigation and Control **Units: 3**
- AJ 92V Work Experience: Correctional Science **Units: 1-4**
- LAW 16 Introduction to Social Justice: Law and Social Change **Units: 3**

#### Area B

Complete 6 units selected from:

- HIST 17A History of the United States **Units: 3**
- HIST 17B History of the United States **Units: 3**
- HIST 27 Women in History **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**
- POLS C1000 American Government and Politics **Units: 3**
- SOCIO 1B Social Problems **Units: 3**

### Minimum Major Units Required: 33

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## CERTIFICATES AND DEGREES BY AREA

### Law Enforcement, AS

Upon successful completion of the Law Enforcement Associate in Science degree, the student demonstrates the fulfillment of lower-division requirements for accredited baccalaureate institutions, preparation for participation in the Basic Peace Officer Academy, and a career within the criminal justice system.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Concepts and Theories: Students will demonstrate the ability to define and use criminal justice system key terms, concepts and theories.
2. Constitutional Law: Students will demonstrate the ability to identify how the U.S. Constitution applies to the actions and conduct of peace officers.
3. Communication: Students will demonstrate the ability to effectively communicate orally and in writing the results of analysis and understanding.
4. Career: Students will develop a plan to achieve a career in their desired area of the criminal justice system.
5. Criminal Law: Students will demonstrate the knowledge required to recognize elements, classifications and definitions involving crimes against persons and crimes against property.
6. Community Policing: Students will demonstrate the ability to reflect critically on developments in the criminal justice policy and the relationship of these policies to the wider political and social environment.
7. Investigations: Students will demonstrate the ability to investigate crimes and testify in a legal proceeding.

#### Major Requirements - Core

Complete 6 units

- AJ 21 Criminal Justice in Society **Units: 3**
- AJ 22 Concepts of Criminal Law **Units: 3**

#### Major Requirements - Restricted Electives

Area A

Complete 6 units selected from:

- AJ 23 Principles and Procedures of the Justice System **Units: 3**
- AJ 25 Criminal Investigation **Units: 3**
- AJ 40 Community Relations **Units: 3**

Area B

Complete 6 units selected from:

- AJ 24 Legal Aspects of Evidence **Units: 3**
- AJ 28 Juvenile Law and Procedures **Units: 3**
- AJ 30 Critical Issues in the Justice System **Units: 3**
- AJ 31 Report Preparation **Units: 3**
- AJ 51 Introduction to Correctional Science in America **Units: 3**

#### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

#### Minimum Degree Units Required: 60

### Modern Policing, AS

Upon successful completion of the Modern Policing Associate in Science Degree, students will possess the knowledge, skills, and qualities to serve as a Peace Officer. Students will demonstrate the following: cultural competence (i.e., the ability to honor and respect the beliefs, language, interpersonal styles, behaviors, and lifestyles of those receiving and providing services); adaptability and flexibility; open-mindedness to non-traditional ideas; and awareness of self and of cultures within different communities. Students will also demonstrate the ability to utilize multiple perspectives when making decisions on the job, communicate in a culturally competent manner in their role as a Peace Officer, utilize mental and emotional strategies to remain balanced, manage strong or difficult circumstances or emotions, face pressure or challenges, and cope with a crisis in a positive and constructive way. In addition to preparing students to serve as well-rounded members of the police force, the Modern Policing Associate in Science Degree ensures students understand the role of police in a democratic society in which all individuals are entitled to equal protection under law and no individual is above the law regardless of their social, economic, or political station.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate a comprehensive understanding of criminal, civil, and constitutional law, including the California Penal Code and landmark cases, and apply this knowledge to ensure lawful and fair enforcement practices that respect civil rights.
2. Analyze and uphold ethical principles, demonstrating integrity, accountability, and fairness in all aspects of policing, decision-making, and interactions with the public, in

## CERTIFICATES AND DEGREES BY AREA

alignment with the ethical standards mandated by AB 89.

3. Demonstrate effective verbal and written communication skills tailored to diverse groups, including active listening, empathy, and the ability to convey complex information in a clear, respectful, and non-threatening manner.
4. Engage effectively and empathetically with diverse communities by understanding cultural, social, and historical contexts and addressing community needs, fostering trust, and reducing bias in policing practices.
5. Utilize problem-solving frameworks to collaborate with community members and stakeholders in identifying, analyzing, and addressing public safety challenges, and promote proactive solutions that reinforce public trust and safety.
6. Apply evidence-based techniques in crisis intervention and conflict resolution to de-escalate volatile situations, minimize the use of force, and prioritize peaceful outcomes in accordance with modern policing standards.

### Major Requirements - Core

Complete 39 units

- AJ 21 Criminal Justice in Society **Units: 3**
- AJ 22 Concepts of Criminal Law **Units: 3**
- AJ 31 Report Preparation **Units: 3**
- AJ 40 Community Relations **Units: 3**
- ART 2 Art History of the Non-Western World **Units: 3**
- COMM C1000 Introduction to Public Speaking **Units: 3**
- COMM 7 Intercultural Communication **Units: 3**
- ECE 26 Child, Family, and Community **Units: 3**
- ENGL C1001 Critical Thinking and Writing **Units: 3**
- LAW 16 Introduction to Social Justice: Law and Social Change **Units: 3**
- LAW 25 Ethical Reasoning/Ethics in Practice **Units: 3**
- PHILO 40 Ethics **Units: 3**
- PSYC 3 Personal and Social Psychology **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 3 units selected from:

- AJ 23 Principles and Procedures of the Justice System **Units: 3**
- AJ 24 Legal Aspects of Evidence **Units: 3**
- AJ 25 Criminal Investigation **Units: 3**
- AJ 28 Juvenile Law and Procedures **Units: 3**

Area B

Complete 3 units selected from:

- ENGL C1000 Academic Reading and Writing **Units: 3**

- ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

Area C

Complete 3 units selected from:

- PSYC 2 Statistical Methods for Psychology & Social Science **Units: 3**
- STAT C1000 Introduction to Statistics **Units: 4**
- STAT C1000E Introduction to Statistics Embedded Support **Units: 4.5**

### Minimum Units Required: 48

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Correctional Science Certificate of Achievement

Upon successful completion of the Correctional Science Certificate of Achievement, students will demonstrate knowledge and skills desired for entry-level employment as a jailer, correctional officer, probation officer or parole agent. Additionally, students that complete this certificate could receive higher compensation with agencies that offer educational/pay incentives. Students will be able to recognize and apply the concepts and terminology needed to gain employment in the criminal justice system at either the county, state, or federal level.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge and skills common to entry level employment as a jailer, correctional officer, probation officer or parole agent.
2. Demonstrate their ability to recognize and apply the concepts and terminology that are needed to understand the corrections component of the criminal justice system.

### Core Requirements

Complete 12 units

- AJ 21 Criminal Justice in Society **Units: 3**

## CERTIFICATES AND DEGREES BY AREA

- AJ 51 Introduction to Correctional Science in America **Units: 3**
- AJ 55 Control and Supervision in Corrections **Units: 3**
- AJ 57 Legal Aspects of Corrections **Units: 3**

### Restricted Electives

#### Area A

Complete 3 units selected from:

- CS 11 Fundamentals of Computer Science **Units: 3**
- HIST 27 Women in History **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- HIST 34 Asian Pacific American History **Units: 3**
- LAW 16 Introduction to Social Justice: Law and Social Change **Units: 3**
- LAW 8 Criminal Litigation: Law and Procedure **Units: 3**
- PSYC 7 Abnormal Psychology **Units: 3**
- SOCIO 1A Introduction to Sociology **Units: 3**
- SOCIO 1B Social Problems **Units: 3**
- SOCIO 33 Introduction to Race and Ethnicity **Units: 3**

#### Area B

Complete 6 units selected from:

- AJ 22 Concepts of Criminal Law **Units: 3**
- AJ 24 Legal Aspects of Evidence **Units: 3**
- AJ 28 Juvenile Law and Procedures **Units: 3**
- AJ 30 Critical Issues in the Justice System **Units: 3**
- AJ 31 Report Preparation **Units: 3**
- AJ 40 Community Relations **Units: 3**
- AJ 41 Narcotics Investigation and Control **Units: 3**
- AJ 50SS Special Studies: Administration of Justice **Units: 1-4**
- AJ 53 Correctional Interviewing and Interventions **Units: 3**
- AJ 54 Introduction to Probation and Parole **Units: 3**
- AJ 92V Work Experience: Correctional Science **Units: 1-4**

### Minimum Units Required: 21

Complete all courses with a grade of "C" or better.

### Law Enforcement Certificate of Achievement

Upon successful completion of the Law Enforcement Certificate of Achievement, students will be able to demonstrate knowledge and skills desired for entry-level employment in a sworn or non sworn position within a law enforcement agency. Additionally, students who complete this certificate could receive higher compensation with

agencies that offer educational/pay incentives. Students will be able to recognize and apply the concepts and terminology needed to gain employment in the criminal justice system at either the county, state, or federal level.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate their knowledge and understanding of the basic concepts and terminology of the criminal justice system.
2. Demonstrate skills, knowledge and training for a job in law enforcement.

### Core Requirements

Complete 21 units

- AJ 21 Criminal Justice in Society **Units: 3**
- AJ 22 Concepts of Criminal Law **Units: 3**
- AJ 23 Principles and Procedures of the Justice System **Units: 3**
- AJ 25 Criminal Investigation **Units: 3**
- AJ 31 Report Preparation **Units: 3**
- AJ 40 Community Relations **Units: 3**
- AJ 51 Introduction to Correctional Science in America **Units: 3**

### Restricted Electives

Complete 3 units selected from:

- AJ 24 Legal Aspects of Evidence **Units: 3**
- AJ 28 Juvenile Law and Procedures **Units: 3**
- AJ 54 Introduction to Probation and Parole **Units: 3**
- LAW 16 Introduction to Social Justice: Law and Social Change **Units: 3**

### Minimum Units Required: 24

Complete all courses with a grade of "C" or better.

## Agriculture

### Agriculture Animal Science, AS-T

The Associate in Science for Transfer degree in Animal Science provides students with an introductory foundation of major themes in animal science and husbandry. It prepares students to transfer to a CSU campus and major in the Agriculture Animal Sciences. Potential careers in the field include: livestock herdsman and ranch manager, livestock production facility auditor, extension educator, animal nutrition sales and consulting, quality assurance specialist, USDA meat inspector and grader, and animal pharmaceutical sales and service. The completion of this degree provides students with preparation for upper-division coursework required within a baccalaureate degree program in animal science from a California State University (CSU).

## CERTIFICATES AND DEGREES BY AREA

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate real-world skills in animal husbandry in the areas of management, production, breeding, nutrition, health, safety and handling.
2. Explain and demonstrate methods and ethical practices used in preparing animals for both the commercial and exhibitions markets.
3. Identify and explain production parameters associated with efficient livestock and animal management (i.e. feed conversion rates, normal rates of gain, growth rates, reproduction rates etc.).
4. Explain the role of government agencies in regulating and monitoring various factors associated with livestock and animal production.
5. Demonstrate the use of sound animal husbandry and quality assurance practices as they relate to the production of a safe animal protein supply in the human food chain.

### Major Requirements - Core

Complete 14 - 15 units

- AGBUS 12 Agricultural Economics **Units: 3** or ECON 3 Principles of Microeconomics **Units: 3**
- ASCI 10 Principles of Animal Science **Units: 3**
- CHEM 1A General Chemistry **Units: 5** or CHEM 3A Introduction to Chemistry **Units: 4**
- STAT C1000 Introduction to Statistics **Units: 4**

### Major Requirements - Restricted Electives

Area 1 - Animal Production

Complete 3 units selected from:

- ASCI 47 Small Ruminant Science **Units: 3**
- ASCI 57 Beef Cattle Science **Units: 3**
- ASCI 67 Swine Science **Units: 3**

Area 2 - Animal Health

Complete 3 units selected from:

- ASCI 19 Feeds and Feeding **Units: 3**
- ASCI 34 Animal Health and Sanitation **Units: 3**

### Minimum Major Units Required: 20

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower

division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Agriculture Business, AS-T

The Agriculture Business Associate in Science for Transfer degree provides the student with an introductory foundation in agribusiness and prepares a student for transfer to a CSU campus in Agriculture Business, Agriculture Studies, AgriBusiness, Ag Business and Food Industry Management. The Agriculture Business Associate in Science for Transfer program prepares students for a broad range of opportunities in agribusiness. The completion of this degree provides preparation for upper division course work for students seeking to transfer and pursue a baccalaureate degree in Agriculture Business from a California State University (CSU). The program offers students a foundation in agribusiness operations and management.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate proficiency in basic computer applications in career specific contexts related to agri-business such as word processing, spread sheet, and internet.
2. Listen actively and communicate clearly and coherently about agri-business concepts.
3. Think critically and analytically to solve agri-business problems.
4. Use appropriate technology to learn, live, and work in an agri-business setting.
5. Demonstrate effective habits of time management, accountability and dependability.

### Major Requirements - Core

Complete 10 units

- AGBUS 12 Agricultural Economics **Units: 3**
- ECON 5 Principles of Macroeconomics **Units: 3**
- STAT C1000 Introduction to Statistics **Units: 4**

### Major Requirements - Restricted Electives

Area A

Complete 4 units selected from:

- CHEM 1A General Chemistry **Units: 5**
- CHEM 3A Introduction to Chemistry **Units: 4**
- PLANT 14 Soil Science **Units: 4**

Area B

Complete 9 units selected from:

- AGBUS 5 Introduction to Agriculture Business **Units: 3**
- AGBUS 10 Agricultural Accounting **Units: 3**
- AGBUS 15 Agribusiness Computer Applications **Units: 3**
- AGBUS 46 Agricultural Sales and Communications **Units: 3**

## CERTIFICATES AND DEGREES BY AREA

- ASCI 10 Principles of Animal Science **Units: 3**
- PLANT 10 Principles of Plant Science **Units: 3**

### Minimum Major Units Required: 23

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Agriculture Plant Science, AS-T

The Associate in Science for Transfer degree in Plant Science provides students with an introductory foundation of plant and soil sciences. It prepares students to transfer to a CSU campus into majors such as Plant Science, Crop Science, and Environmental Horticulture. Potential careers in the field include: Pest Control Advisor (PCA), crop production specialist, farm management, landscape design, quality control manager, county and governmental compliance inspector, sales and marketing of seed and other crop protecting agents. The completion of this degree provides students with preparation for upper-division coursework required within a baccalaureate degree program in plant science from a California State University (CSU).

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate practical application of skills related to management and production of agricultural and horticultural crops, including various methods of plant propagation.
2. Recognize and describe characteristics of agricultural and horticultural crops, common or native to California, relative to growth and marketability.
3. Identify and characterize the primary soil types in California agriculture, to effectively conduct sampling, field and lab soil analyses, and data interpretation.
4. Demonstrate understanding of plant anatomy and processes, including reproduction methods, growth regulation, and nutrient use.

### Major Requirements - Core

Complete 12 units

- PLANT 10 Principles of Plant Science **Units: 3**
- PLANT 10L Principles of Plant Science Laboratory **Units: 1**
- PLANT 14 Soil Science **Units: 4**
- STAT C1000 Introduction to Statistics **Units: 4**

### Major Requirements - Restricted Electives

Area A

Complete 4 - 5 units selected from:

- CHEM 1A General Chemistry **Units: 5**
- CHEM 3A Introduction to Chemistry **Units: 4**

Area B

Complete 3 units selected from:

- AGBUS 12 Agricultural Economics **Units: 3**
- ECON 3 Principles of Microeconomics **Units: 3**

Area C

Complete 3 - 5 units selected from:

- CHEM 12A Organic Chemistry **Units: 5**
- HORT 2 Plant Materials and Usage - Fall **Units: 3**
- HORT 3 Plant Materials and Usage - Spring **Units: 3**
- HORT 12 Plant Propagation/Production **Units: 3**

### Minimum Major Units Required: 22

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Agriculture Business, AS

Upon successful completion of the Agriculture Business Associate in Science degree, the student demonstrates the skills, knowledge, and training for the following positions: Agricultural Accounting Assistant, Agricultural Administrative Assistant, Agricultural Inventory/Warehouse Technician, Agricultural Sales and Service Technician, Crop Insurance Agent, Customer Service Representative, Farm Insurance Agent, Farm/Ranch Personnel Supervisor, Field Representative, Food Processing Plant

## CERTIFICATES AND DEGREES BY AREA

Shift Supervisor, Grain Elevator Manager, International Sales and Trade Technician Quality Control Inspector, Public Relations Specialist, Sales Agent, Sales Representative and Wholesale Produce Agent; the ability to: design and implement a record keeping system; design and implement farm accounts; compare and contrast the basis for farm income tax computing; calculate the basic measures of depreciation; construct inventory analysis procedures; operate a microcomputer; develop and use templates to make management decisions; evaluate a variety of software useful to agribusiness applications; identify and design a marketing strategy for a specific agricultural product; chart and interpret market information; analyze marketing reports; and make a sales presentation on a agricultural product; or fulfillment of both the lower division General Education requirements and the lower division Agriculture Business requirements for successful transfer to a university for a baccalaureate degree.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate proficiency in basic computer applications in career specific contexts related to agri-business such as word processing, spread sheet, and internet.
2. Listen actively and communicate clearly and coherently about agri-business concepts.
3. Think critically and analytically to solve agri-business problems.
4. Use appropriate technology to learn, live, and work in an agri-business setting.
5. Demonstrate effective habits of time management, accountability and dependability.

### Major Requirements - Core

Complete 42 units

- AGBUS 10 Agricultural Accounting **Units: 3**
- AGBUS 12 Agricultural Economics **Units: 3**
- AGBUS 15 Agribusiness Computer Applications **Units: 3**
- AGBUS 46 Agricultural Sales and Communications **Units: 3**
- ASCI 10 Principles of Animal Science **Units: 3**
- ASCI 10L Principles of Animal Science Laboratory **Units: 1**
- BUS 1A Principles of Accounting **Units: 5**
- BUS 18A Business Law **Units: 3**
- BUS 20 Introduction to Business **Units: 3**
- ECON 5 Principles of Macroeconomics **Units: 3**
- STAT C1000 Introduction to Statistics **Units: 4**
- PLANT 10 Principles of Plant Science **Units: 3**
- PLANT 10L Principles of Plant Science Laboratory **Units: 1**
- PLANT 14 Soil Science **Units: 4**

### Minimum Major Units Required: 42

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## Horticulture, AS

The Associate in Science degree in Horticulture provides students with an introductory foundation of plant production and management skills. It prepares students for careers in landscape management, greenhouse production and propagation, arboriculture, sports field management, and nursery management. Potential careers in the field include: Nursery Technician or Manager, Production or Propagation Technician or Manager, First-Line Supervisor of Landscaping, Lawn Care, and Groundskeeping, Small Business Owner.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Implement fundamental horticultural knowledge to identify and solve practical challenges associated with the Horticulture industry.
2. Understand and apply fundamental knowledge related to identification, management, and production of horticultural crops.
3. Understand and apply basic management and business skills critical to the horticulture industry, such as time management, attention to detail, communication, and consistency.
4. Recognize and perform the technical skills required for employment in the horticulture industry.

### Major Requirements - Core

Complete 22 units

- HORT 1 Environmental Horticulture **Units: 4**
- HORT 2 Plant Materials and Usage - Fall **Units: 3**
- HORT 3 Plant Materials and Usage - Spring **Units: 3**
- HORT 4 History of Garden Design **Units: 3**
- HORT 5 Integrated Pest Management in Environmental Horticulture **Units: 3**

## CERTIFICATES AND DEGREES BY AREA

- HORT 20 Landscape and Turf Management  
**Units: 3**
- HORT 23 Landscape Irrigation and Drainage  
**Units: 3**

### Major Requirements - Restricted Electives

#### Area A

Complete 3 units selected from:

- HORT 10 Greenhouse Production **Units: 3**
- HORT 12 Plant Propagation/Production **Units: 3**

#### Area B

Complete 3 units selected from:

- HORT 21 Landscape Construction **Units: 3**
- HORT 24 Principles of Landscape Design  
**Units: 3**

#### Area C

Complete 3 units selected from:

- HORT 22 Turfgrass Management **Units: 3**
- HORT 26 Introduction to Urban Forestry **Units: 3**

### Minimum Major Units Required: 31

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree  
General Education Pattern **Units: 27**
- California State University General Education  
(CSU-GE) Pattern/Certificate of  
Achievement **Units: 40**
- Intersegmental General Education Transfer  
Curriculum (IGETC) Pattern/Certificate of  
Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Agriculture Business - Animal Science Certificate of Achievement

Upon successful completion of the Animal Science certificate, the student demonstrates skill, knowledge and training in preparing for employment in animal production and science and certain careers require education and experience beyond the A.A. Degree. Animal science careers for an advanced degree include Production, Science, Agribusiness, Food Industry, and Equine-Related Fields include Dairy Herdsman, Feed-lot Herdsman, Poultry Operations, Meat Grading and Marketing, Feeding and Manufacturing, Animal Boarding, Animal Breeding, Animal Training, Association Representatives, Livestock Publications, Meat Inspections.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate effective habits of time management.
2. Use technology to learn, live and work in an animal science setting.
3. Think critically and analytically to solve animal science problems.
4. Listen actively and communicate clearly and coherently about animal science concepts.
5. Demonstrate proficiency in basic computer applications, in career specific contexts related to animal science.

### Core Requirements

Complete 23 units

- AGBUS 10 Agricultural Accounting **Units: 3**
- AGBUS 12 Agricultural Economics **Units: 3**
- AGBUS 15 Agribusiness Computer Applications  
**Units: 3**
- AGBUS 46 Agricultural Sales and  
Communications **Units: 3**
- AGBUS 96V Work Experience: Agricultural  
Business **Units: 1-4**
- ASCI 10 Principles of Animal Science **Units: 3**
- ASCI 10L Principles of Animal Science  
Laboratory **Units: 1**
- ASCI 11A Introduction to Livestock Evaluation  
**Units: 2**
- ASCI 25A Introduction to Livestock Presentation  
**Units: 2**
- ASCI 25B Beginning Livestock Presentation  
**Units: 2**

### Minimum Units Required: 23

Complete all courses with a grade of "C" or better.

### Agriculture Business - Plant Science Certificate of Achievement

Upon successful completion of the Agriculture Business Plant Science certificate, the student demonstrates the skills, knowledge, and training for employment in the following positions: Crop Inspector; Cultivation Supervisor; Farm Supervisor; Crew Supervisor; Fertilizer and Chemical Applicator; Field Buyer; Field Representative; Field Soil Collector; Fruit Inspector; Nursery Technician; Greenhouse Technician; Produce Inspector; Laboratory Technician; Pest Control Operator; Plant Inspector; Plant Propagator; Quality Control Technician; Seed Technician; Seed and Supply Store Salesperson; Soil Conservation Technician; Soil Fumigator; Surveyor; and Tissue Culture Technician; demonstrates his/her ability to classify and identify plants using a botanical key; the principles of plant inheritance, plant physiology and plant growth; and the techniques for successful plant propagation; practice skills to identify types of pathogens and pests that affect plants; demonstrate local cultural practices including pruning, fertilization, planting, irrigation and harvesting; and understand the principles of plant tissue culture and gene transfer in plant breeding; and prepares the student for a

## CERTIFICATES AND DEGREES BY AREA

successful transfer to a university for a baccalaureate degree. The certificate program closely follows the design developed by the Central Valley Consortium Agricultural Education Tech Prep.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate proficiency in basic computer applications, such as word processing, spread sheet, and internet.
2. Listen actively and communicate clearly and coherently.
3. Think critically and analytically to accomplish problem solving.
4. Use technology to learn, live and work.
5. Demonstrate time management, accountability and dependability skills.

### Core Requirements

Complete 24 units

- AGBUS 10 Agricultural Accounting **Units: 3**
- AGBUS 12 Agricultural Economics **Units: 3**
- AGBUS 15 Agribusiness Computer Applications **Units: 3**
- AGBUS 46 Agricultural Sales and Communications **Units: 3**
- AGBUS 96V Work Experience: Agricultural Business **Units: 1-4**
- HORT 22 Turfgrass Management **Units: 3**
- PLANT 10 Principles of Plant Science **Units: 3**
- PLANT 10L Principles of Plant Science Laboratory **Units: 1**
- PLANT 14 Soil Science **Units: 4**

### Minimum Units Required: 24

Complete all courses with a grade of "C" or better.

### Agriculture Business Certificate of Achievement

Upon successful completion of the Agriculture Business certificate, the student demonstrates the skills, knowledge, and training for employment in the following Agribusiness positions: Agricultural Accounting Assistant, Agriculture Administrative Assistant, Agricultural Inventory/Warehouse Technician, Agricultural Sales and Service Technician, Crop Insurance Agent, Customer Service Representative, Farm Insurance Agent, Farm/Ranch Personnel Supervisor, Feed-lot Supervisor, Field Representative, Food Processing Plant Shift Supervisor, Grain Elevator Manager, International Sales and Trade Technician, Quality Control Inspector, Public Relations Specialist, Sales Agent, Sales Representative, and Wholesale Produce Agent, demonstrates his or her ability to design and implement a record keeping system, design and implement a set of farm accounts, explain the basis for farm income tax computing, calculate measure of earnings applicable to farm records, and calculate the basic measure of depreciation, constructs inventory analysis procedures, operates a microcomputer, develops and uses templates to make management decisions, and

evaluates a variety of software useful to agribusiness applications, practice skills to identify and design a marketing strategy for a specific agricultural product, chart and interpret market information, analyze marketing reports, and make a sales presentation on an agricultural product, and prepare the student for a successful transfer to a university for a baccalaureate degree. The certificate program closely follows the design developed by the Central Valley Consortium Agricultural Education Tech Prep.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate proficiency in basic computer applications in career specific contexts related to agri-business such as word processing, spread sheet, and internet.
2. Listen actively and communicate clearly and coherently about agri-business concepts.
3. Think critically and analytically to solve agri-business problems.
4. Use appropriate technology to learn, live and work in an agri-business setting.
5. Demonstrate effective habits of time management, accountability and dependability.

### Core Requirements

Complete 36 units

- AGBUS 10 Agricultural Accounting **Units: 3**
- AGBUS 12 Agricultural Economics **Units: 3**
- AGBUS 15 Agribusiness Computer Applications **Units: 3**
- AGBUS 46 Agricultural Sales and Communications **Units: 3**
- ASCI 10 Principles of Animal Science **Units: 3**
- ASCI 10L Principles of Animal Science Laboratory **Units: 1**
- COMM C1000 Introduction to Public Speaking **Units: 3**
- CS 11 Fundamentals of Computer Science **Units: 3**
- ECON 5 Principles of Macroeconomics **Units: 3**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**
- PLANT 10 Principles of Plant Science **Units: 3**
- PLANT 10L Principles of Plant Science Laboratory **Units: 1**
- Associate Degree Math Requirement **Credits / Units: 4**

### Restricted Electives

Area A

Complete a minimum of 3 units selected from:

- HIST 17A History of the United States **Units: 3**
- HIST 17B History of the United States **Units: 3**
- POLS C1000 American Government and Politics **Units: 3**

**Area B**

Complete 3 units selected from:

- Associate Degree General Education Pattern, Area 3, Humanities

**Area C**

Complete 21 units selected from:

- BIOL 1 Cell and Molecular Biology **Units: 4**
- BUS 1A Principles of Accounting **Units: 5**
- CHEM 1A General Chemistry **Units: 5**  
or
- CHEM 3A Introduction to Chemistry **Units: 4**
- STAT C1000 Introduction to Statistics **Units: 4**
- MATH 38A Precalculus I **Units: 4**

**Minimum Units Required: 63**

Complete all courses with a grade of "C" or better.

**Agriculture Engineering Production Plant - Level 1 Safety Certificate of Achievement**

Upon successful completion of the Agriculture Engineering Production Plant - Level 1 Safety Certificate of Achievement, the student demonstrates skills and knowledge in occupational safety, applied math, electrical safety, computer use in the workplace, communication, team-working, sanitation practices, and metal-working. The Agriculture Engineering Production Plant - Level 1 Safety Certificate of Achievement coursework provides students with skills for entry-level positions in food processing, manufacturing, and automated facilities.

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Identify a potential work site hazard and develop a written safety plan to mitigate the hazard.
2. Demonstrate a basic understanding of electrical circuit safety through the proper use of testing equipment and energize and de-energize electrical equipment.

**Core Requirements**

Complete 21 units

- AGBUS 15 Agribusiness Computer Applications **Units: 3**
- AGBUS 17 Leadership in Agriculture **Units: 2**
- CUL ART 3 Sanitation and Safety **Units: 2**
- ELEC 29A Fundamentals of Electricity I **Units: 3**
- ELEC 29B Fundamentals of Electricity II **Units: 2**
- INDUS 20 Industrial Safety and Health **Units: 3**
- INDUS 94 Industrial Mathematics and Algebra **Units: 3**
- MACH 16 Machine Tool Process **Units: 3**

**Minimum Units Required: 21**

Complete all courses with a grade of "C" or better.

**Agriculture Engineering Production Plant - Level 2 Mechanical Certificate of Achievement**

Upon successful completion of the Agriculture Engineering Production Plant - Level 2 Mechanical Certificate of Achievement, the student demonstrates skills and knowledge in occupational safety, applied math, electrical safety, computer use in the workplace, communication, team-working, sanitation practices, metal-working, industrial controls, processes, systems, automation, mechatronics, HVAC, hydraulics, metal cutting, and basic welding. The Agriculture Engineering Production Plant - Level 2 Mechanical Certificate of Achievement coursework provides students with skills for entry-level positions in food processing, manufacturing, and automated facilities.

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of the principles and operation of industrial automation devices and circuits.
2. Identify the correct horsepower electric motor for a given hydraulic system design.

**Core Requirements**

Complete 41 units

- AGBUS 15 Agribusiness Computer Applications **Units: 3**
- AGBUS 17 Leadership in Agriculture **Units: 2**
- CUL ART 3 Sanitation and Safety **Units: 2**
- E TECH 47 Introduction to Industrial Control Systems **Units: 3**
- ELEC 29A Fundamentals of Electricity I **Units: 3**
- ELEC 29B Fundamentals of Electricity II **Units: 2**
- ELECT 17 Robotics / Automation Introduction **Units: 4**
- HVACR 70A Refrigeration and Air Conditioning **Units: 2.5**
- HVACR 72A Introduction to Residential Gas Heating **Units: 2.5**
- INDUS 20 Industrial Safety and Health **Units: 3**
- INDUS 31 Industrial Hydraulics **Units: 4**
- INDUS 94 Industrial Mathematics and Algebra **Units: 3**
- MACH 16 Machine Tool Process **Units: 3**
- WELDING 10 Basic Welding for the Trades **Units: 4**

**Minimum Units Required: 41**

Complete all courses with a grade of "C" or better.

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### Agriculture Mechanics Certificate of Achievement

Upon successful completion of the Agriculture Mechanics certificate, the student demonstrates the skills, knowledge, and training for employment in equipment repair, equipment maintenance, and equipment assembly; and demonstrates his or her ability to troubleshoot equipment, properly adjust equipment, and perform necessary repairs. Upon completion of the certificate the student is prepared to take the Outdoor Power Equipment Certification Exams.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

Demonstrate the ability to understand, diagnose and repair agricultural equipment systems such hydraulics, diesel engine fuel systems and electrical systems.

#### Core Requirements

Complete 11.5 units

- AGEGR 30C Industrial Equipment: Electrical and Electronic Systems **Units: 4.5**
- INDUS 35 Mobile Hydraulics **Units: 4**
- INDUS 94 Industrial Mathematics and Algebra **Units: 3 or higher level mathematics course**

#### Restricted Electives

Area A

Complete 2 units selected from:

- CAT 21 Agricultural Welding **Units: 2**
- WELDING 10 Basic Welding for the Trades **Units: 4**

Area B

Complete 3 units selected from:

- AUTOMECH 73 Basic Engine Performance and Electrical Systems A6 **Units: 3**
- DIESEL 96 Diesel Engine Fuel and Tune-Up **Units: 3**
- MACH 16 Machine Tool Process **Units: 3**

#### Minimum Units Required: 16.5

Complete all courses with a grade of "C" or better.

### Horticulture - Irrigation Technician Certificate of Achievement

Upon successful completion of the Horticulture - Irrigation Technician certificate, the student will demonstrate skills, knowledge, and training necessary to take the Irrigation Association's: Certified Irrigation Technician, Certified Water Auditor, and/or Certified Irrigation Contractors exams, and to gain employment as a(n): Irrigation Technician, Landscape Manager or Groundskeeper, or Landscape Contractor. The student will demonstrate skills and understanding of landscape plant health and growth requirements, common landscape maintenance practices, and irrigation component repair.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Apply knowledge and understanding of plant growth characteristics and health requirements to critically solve common problems in the landscape.
2. Understand and apply basic business skills critical to the landscape management industry, such as time management, attention to detail, and consistency.
3. Demonstrate technical skills and knowledge necessary for employment in the landscape management industry, specifically related to irrigation design and repair.

#### Core Requirements

Complete 13 units

- HORT 1 Environmental Horticulture **Units: 4**
- HORT 20 Landscape and Turf Management **Units: 3**
- HORT 21 Landscape Construction **Units: 3**
- HORT 23 Landscape Irrigation and Drainage **Units: 3**

#### Minimum Units Required: 13

Complete all courses with a grade of "C" or better.

### Horticulture - Landscape Arborist Certificate of Achievement

Upon successful completion of the Horticulture - Landscape Arborist Certificate of Achievement, the student will demonstrate skills, knowledge, and training necessary to take the exam for the Tree Care Industry Association's Tree Care Specialist Credential, obtain Chainsaw Safety Certification, and to gain entry-level employment or career advancement in tree care, ground operations, or climbing. Students will demonstrate their knowledge and abilities in the areas of: safety, tree biology and identification, pruning, transplanting, fertilizing, cabling and bracing, lightning protection, and plant health care. Student learning and performance will reflect industry standards, with focus on work-based learning opportunities.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Apply knowledge and understanding of plant growth characteristics and health requirements to critically solve common problems in landscape trees.
2. Understand and apply basic business skills critical to the landscape arboriculture industry, such as time management, attention to detail, and consistency.
3. Demonstrate technical skills and knowledge necessary for employment in the landscape management industry, specifically related to tree management and care.

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### Core Requirements

Complete 19 units

- AGBUS 15 Agribusiness Computer Applications **Units: 3**
- HORT 1 Environmental Horticulture **Units: 4**
- HORT 2 Plant Materials and Usage - Fall **Units: 3**  
or HORT 3 Plant Materials and Usage - Spring **Units: 3**
- HORT 5 Integrated Pest Management in Environmental Horticulture **Units: 3**
- HORT 20 Landscape and Turf Management **Units: 3**
- HORT 26 Introduction to Urban Forestry **Units: 3**

### Restricted Electives

Complete 1 - 3 units selected from:

- HORT 21 Landscape Construction **Units: 3**
- HORT 23 Landscape Irrigation and Drainage **Units: 3**
- HORT 24 Principles of Landscape Design **Units: 3**
- HORT 96V Work Experience: Environmental Horticulture **Units: 1-4**

### Minimum Units Required: 20

Complete all courses with a grade of "C" or better.

## Horticulture - Nursery Management Certificate of Achievement

Upon successful completion of the Horticulture - Nursery Management certificate, the student will demonstrate skills, knowledge, and training in preparation to take the Plant California Alliance- California Certified Nursery Professional (CCN Pro) exam, and to gain entry-level or to advance employment positions such as: retail salesperson, production or propagation manager, nursery manager, grower, and small business owner. The student will demonstrate the skills and abilities to: perform essential plant care for greenhouse and nursery crops, such as transplanting, fertilizing, propagating, and pruning, identify, diagnose, and treat common plant pests, apply skilled plant selection assistance, and develop crop scheduling and production plans.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Implement knowledge and ability to identify common landscape plants.
2. Use knowledge of plant growth and threats to plant health to identify and diagnose common plant pest problems.
3. Demonstrate technical skills and knowledge necessary for employment in the nursery management industry.
4. Understand and apply basic business skills critical to the nursery management industry, such as time management, attention to detail, and consistency.

### Core Requirements

Complete 10 units

- AGBUS 15 Agribusiness Computer Applications **Units: 3**
- HORT 1 Environmental Horticulture **Units: 4**
- HORT 5 Integrated Pest Management in Environmental Horticulture **Units: 3**

### Restricted Electives

Area A

Complete 3 units selected from:

- HORT 2 Plant Materials and Usage - Fall **Units: 3**
- HORT 3 Plant Materials and Usage - Spring **Units: 3**

Area B

Complete 3 units selected from:

- HORT 10 Greenhouse Production **Units: 3**
- HORT 12 Plant Propagation/Production **Units: 3**

Area C

Complete 1 - 3 units selected from:

- HORT 23 Landscape Irrigation and Drainage **Units: 3**
- HORT 96V Work Experience: Environmental Horticulture **Units: 1-4**

### Minimum Units Required: 17

Complete all courses with a grade of "C" or better.

## Horticulture - Sustainable Landscape Management Certificate of Achievement

Upon successful completion of the Horticulture - Sustainable Landscape Management certificate, the student will demonstrate skills, knowledge, and training to take the California's Landscape Association Certified Technician exam, or to gain or advance employment in entry-level positions as a: supervisor of landscape and groundskeeping workers, landscape installer, groundskeeper, landscape contractor, or small business owner. The student will demonstrate the skills and abilities to: perform essential plant care, such as transplanting, fertilizing, mowing, and pruning, identify, diagnose, and treat common plant pests, develop project bids and basic landscape designs, and implement landscape projects.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Practically apply fundamental plant identification knowledge.
2. Use knowledge of plant growth and threats to plant health to identify and diagnose common plant pest problems.
3. Understand and apply basic business skills critical to the landscape management industry, such as time management, attention to detail, and consistency.

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4. Demonstrate technical skills and knowledge necessary for employment in the landscape management industry.

### Core Requirements

Complete 16 units

- AGBUS 15 Agribusiness Computer Applications **Units: 3**
- HORT 1 Environmental Horticulture **Units: 4**
- HORT 5 Integrated Pest Management in Environmental Horticulture **Units: 3**
- HORT 20 Landscape and Turf Management **Units: 3**
- HORT 23 Landscape Irrigation and Drainage **Units: 3**

### Restricted Electives

Area A

Complete 3 units selected from:

- HORT 2 Plant Materials and Usage - Fall **Units: 3**
- HORT 3 Plant Materials and Usage - Spring **Units: 3**

Area B

Complete 1 - 3 units selected from:

- HORT 21 Landscape Construction **Units: 3**
- HORT 22 Turfgrass Management **Units: 3**
- HORT 24 Principles of Landscape Design **Units: 3**
- HORT 96V Work Experience: Environmental Horticulture **Units: 1-4**

### Minimum Units Required: 20

Complete all courses with a grade of "C" or better.

## Anthropology

### Anthropology, AA-T

The Associate in Arts in Anthropology for Transfer is designed for students planning to transfer to a California State University (CSU) with a major in Anthropology. Anthropology is the study of humanity, including its culture, biology, language and history. It is an interdisciplinary field that combines anthropological perspectives and concepts with those of biology, geology, psychology, sociology, and mathematics. Courses in anthropology provide students with an opportunity to gain a variety of important skills which are essential for success in today's workforce. These include critical thinking and problem solving skills, verbal and written communication skills, as well as the ability to collaborate and work effectively and responsibly as a member of a team. All of this is achieved within the context of gaining a thorough understanding of the fundamental concepts of anthropology. The completion of this degree ensures preparation for upper division work for students seeking to transfer and pursue a baccalaureate degree in Anthropology from a California State University (CSU).

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Integrate concepts from other disciplines (e.g., Mathematics, Sociology, Geology) and apply them to issues in anthropology.
2. Develop critical thinking skills and problem solving techniques for problems in anthropology.
3. Transfer to the CSU system as anthropology majors.
4. Collaborate and communicate within group settings to achieve common goals.

### Major Requirements - Core

Complete 9 units

- ANTHR 1 Cultural Anthropology **Units: 3**
- ANTHR 2 Biological Anthropology **Units: 3**
- ANTHR 10 Introduction to Archaeology **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 4 units selected from:

- ANTHR 2L Biological Anthropology Laboratory **Units: 1**
- ANTHR 4 Introduction to Linguistics **Units: 3**
- STAT C1000 Introduction to Statistics **Units: 4** or
- STAT C1000E Introduction to Statistics Embedded Support **Units: 4.5**

Area B

Complete 3 units selected from:

- BIOL 31 Human Anatomy **Units: 4**
- GEOL 1A Physical Geology w/Lab **Units: 4**
- GEOL 5A Earth Science with Laboratory **Units: 4**
- PSYC 4 Introduction to Research Methods in Psychology **Units: 3**

Area C

Complete 3 units selected from:

- GEOG 2 Human Geography **Units: 3**
- PSYC C1000 Introduction to Psychology **Units: 3**
- RELGN 14B Great Religions of the Western World **Units: 3**
- SOCIO 1A Introduction to Sociology **Units: 3**
- SOCIO 27 Introduction to Gender **Units: 3**
- SOCIO 33 Introduction to Race and Ethnicity **Units: 3**

### Minimum Major Units Required: 19

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60**

## **Architectural Drafting**

### **Architectural Drafting, AS**

Upon successful completion of the Architectural Drafting Associate in Science degree, the student will have acquired skills, knowledge, and training for employment in the field of architecture. Acquired skills will include professional presentation with two and three dimensional graphics, conceptual evaluation and analysis related to basic design theory, and the ability to analyze and implement building codes and develop technical construction drawings and documentation for common architectural problems. In addition, the student will acquire skills leading to entry into other related trades where plan reading and preparation is required. Many of the courses lead to transfer to university level architecture programs.

#### **Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Demonstrate skills in manual and computer-driven presentation of two-dimensional and three-dimensional architectural structures, with emphasis on presentation graphics, basic design theory, codes analysis and construction documentation.
2. Demonstrate a general understanding of the Architectural, Engineering, and Construction industry.
3. Demonstrate basic and intermediate skills in manual and computer aided Architectural Drafting techniques in two-dimensional and three-dimensional graphic representations.
4. Understand basic and intermediate design theories.
5. Demonstrate a general understanding of the various materials and methods of construction for single-family dwellings and light commercial structures.
6. Demonstrate a basic understanding of the state building code and analysis.

#### **Major Requirements - Core**

Complete 34 units

- ARCH 1 Basic Architectural Drafting **Units: 3**
- ARCH 5 Architectural Detailing **Units: 4**
- ARCH 6 Digital Tools for Architecture **Units: 3**
- ARCH 8 Materials of Construction **Units: 3**
- ARCH 14 Advanced Architectural Practice **Units: 3**

- ARCH 20 Architectural Design and Drawing I **Units: 3**
- ARCH 21 Architectural Design and Drawing II **Units: 3**
- ARCH 78 Building Codes **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**
- E TECH 46 Mechanical and Electrical Systems **Units: 3**  
or ID 10 Residential Interior Design **Units: 3**
- GRART 3A Digital Illustration for Graphic Design I **Units: 3**

**Minimum Major Units Required: 34**

Complete all courses with a grade of "C" or better.

#### **General Education**

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 61**

### **Architectural Drafting Certificate of Achievement**

Upon successful completion of the Architectural Drafting certificate, the student demonstrates skills, knowledge, and training for employment as a computer-aided drafter in the field of architecture. The student demonstrates the ability to analyze and construct documentation to develop solutions for common architectural problems. In addition, the student acquires skills leading to entry into other related trades where plan reading and preparation is required.

#### **Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Demonstrate a general understanding of the Architectural, Engineering, and Construction industry.
2. Demonstrate an understanding that drawings represent not only a graphic language, but also a way of technical thinking wherein designs created in someone's mind are then transmitted via drawings to become a built structure.
3. Understand basic design theory.

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4. Demonstrate a general understanding of the basic materials and methods of construction for single family residential dwellings.
5. Demonstrate a basic understanding of the state building code and analysis.

### Core Requirements

Complete 23 units

- ARCH 1 Basic Architectural Drafting **Units: 3**
- ARCH 5 Architectural Detailing **Units: 4**
- ARCH 6 Digital Tools for Architecture **Units: 3**
- ARCH 14 Advanced Architectural Practice **Units: 3**
- ARCH 20 Architectural Design and Drawing I **Units: 3**  
or GRART 3A Digital Illustration for Graphic Design I **Units: 3**
- ARCH 78 Building Codes **Units: 3**  
Associate Degree Math Requirement: Units 4

### Minimum Units Required: 23

Complete all courses with a grade of "C" or better.

## Art

### Art History, AA-T

The Associate in Arts for Transfer degree in Art History is designed as a seamless pathway for transfer to the California State University (CSU) in the area of Studio Art/Art with an Emphasis or Concentration in Art History. The study of art history provides students with a broad understanding of period and regional cultures, how humanity has visually communicated, various methods for studying art objects and its relation to broader historic and social concerns. Students who continue on to a Bachelor's Degree in Art History may be prepared to write art criticism, work in the field of art publication, in public and non-profit art organizations, or in museums and galleries as registrars, preparators or curatorial assistants. Advanced degrees offer wider career opportunities in academia, museums, preservation, and auction houses.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Use terminology pertinent to the field of art history appropriately.
2. Recognize specific regional, period, and cultural styles of art produced by both Western and Non-Western cultures.
3. Relate works of art or architecture made both in the Western and Non-Western traditions to the aesthetics, values, or practices of the cultures that produced them.
4. Demonstrate an awareness of basic techniques by applying them in the production of art.
5. Begin to develop the foreign language skills and/or broad cultural knowledge necessary to the practice of Art History.

### Major Requirements - Core

Complete 12 units

- ART 1A Art History: Europe from Prehistory to 1400 **Units: 3**
- ART 1B Art History: Europe from the Fifteenth to the Twentieth Century **Units: 3**
- ART 2 Art History of the Non-Western World **Units: 3**
- ART 33A Beginning Drawing **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 3 units selected from:

- ART 6 2D Design and Color **Units: 3**
- ART 7A Painting I **Units: 3**
- ART 12 3-D Design **Units: 3**
- ART 20A Sculpture I **Units: 3**
- ART 40A Printmaking I **Units: 3**
- ART 64A Ceramics I **Units: 3**
- PHOTO 1A Introduction to Photography **Units: 3**

Area B

Complete 3 units selected from:

- ANTHR 1 Cultural Anthropology **Units: 3**
- ANTHR 10 Introduction to Archaeology **Units: 3**
- ART 1C Modern and Contemporary Art History **Units: 3**
- HIST 2A World History to 1600 **Units: 3**
- HIST 2B World History Since 1600 **Units: 3**
- HIST 4A History of Western Civilization **Units: 3**
- HIST 4B History of Western Civilization **Units: 3**
- HIST 6A History of Asian Civilizations **Units: 3**
- HIST 6C History of the Middle East **Units: 3**
- HIST 27 Women in History **Units: 3**
- PHILO 6 Introduction to Philosophy **Units: 3**
- RELGN 14A Great Religions of the Eastern World **Units: 3**
- RELGN 14B Great Religions of the Western World **Units: 3**

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

Course substitutions are not permitted for this degree.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will

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only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

#### Studio Art, AA-T

This Studio Art for Transfer degree is designed to satisfy the lower division requirements for students planning to transfer to a California State University (CSU) with a major in Art. The program can also be used by students who are interested in acquiring the skills needed to begin lifelong learning in the visual arts. The program will provide the student with an introductory foundation in art principles and practices. Selected courses will include study in art history and studio practice in the creation of both two and three-dimensional works of art. The Associate in Arts in Studio Art for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including 24 units of major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements and with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better (or a "P" if taken as Pass/No Pass).

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to analyze visual art.
2. Demonstrate creative problem solving, in the areas of form, content, function, and expression.
3. Demonstrate skills and techniques used in multiple media to produce visual art.
4. Demonstrate the appropriate use of terminology pertinent to the media or the field.
5. Recognize and identify the historical context, including the social, political, economic, and religious background, of art.

#### Major Requirements - Core

Complete 12 units (It is strongly recommended that students complete the Core Requirements prior to enrolling in Studio Art Electives.)

- ART 1B Art History: Europe from the Fifteenth to the Twentieth Century **Units: 3**
- ART 6 2D Design and Color **Units: 3**
- ART 12 3-D Design **Units: 3**
- ART 33A Beginning Drawing **Units: 3**

#### Major Requirements - Restricted Electives

##### Area A - Art History

Complete 3 units selected from:

- ART 1A Art History: Europe from Prehistory to 1400 **Units: 3**
- ART 2 Art History of the Non-Western World **Units: 3**

##### Area B - Studio Art

Complete 9 units selected from:

- ART 7A Painting I **Units: 3**

- ART 20A Sculpture I **Units: 3**
- ART 33B Intermediate Drawing **Units: 3**  
or ART 33C Figure Drawing **Units: 3**
- ART 40A Printmaking I **Units: 3**
- ART 64A Ceramics I **Units: 3**
- PHOTO 1A Introduction to Photography **Units: 3**

### Minimum Major Units Required: 24

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

#### Art, AA

The Art Associate in Arts degree will provide the student with a basic foundation in art principles and practices. Selected courses will include study in art history and studio practice in the creation of both two and three-dimensional works of art. The Art degree is designed for students who are interested in furthering their skills in the visual arts. The degree can be used by students who want to transfer to a four-year university or college as an art major. However, students who plan to transfer to a CSU should consider pursuing the Studio Art Associate in Arts for Transfer (AA-T) degree.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate an understanding of art in its historical context, including the social, political, economic, and religious context.
2. Demonstrate the appropriate use of terminology pertinent to the media or the field.
3. Demonstrate skills and techniques used in multiple media to produce visual art.
4. Demonstrate creative problem solving, in the areas of form, content, function, and expression.
5. Demonstrate the ability to analyze visual art.

#### Major Requirements - Restricted Electives

Complete 18 units

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### Area A - Art History

Complete 3 units selected from:

- ART 1A Art History: Europe from Prehistory to 1400 **Units: 3**
- ART 1B Art History: Europe from the Fifteenth to the Twentieth Century **Units: 3**

### Area B

Complete 9 units selected from:

- ART 6 2D Design and Color **Units: 3**
- ART 12 3-D Design **Units: 3**
- ART 33A Beginning Drawing **Units: 3**
- ART 33B Intermediate Drawing **Units: 3**
- ART 33C Figure Drawing **Units: 3**

### Area C

Complete 6 units selected from:

- ART 7A Painting I **Units: 3**
- ART 7B Painting II **Units: 3**
- ART 7C Painting III **Units: 2**
- ART 20A Sculpture I **Units: 3**
- ART 20B Sculpture II **Units: 3**
- ART 20C Sculpture III **Units: 2**
- ART 33A Beginning Drawing **Units: 3**
- ART 33B Intermediate Drawing **Units: 3**
- ART 33C Figure Drawing **Units: 3**
- ART 40A Printmaking I **Units: 3**
- ART 40B Printmaking II **Units: 3**
- ART 40C Printmaking III **Units: 2**
- ART 64A Ceramics I **Units: 3**
- ART 64B Ceramics II **Units: 3**
- ART 64C Ceramics III **Units: 2**
- PHOTO 1A Introduction to Photography **Units: 3**
- PHOTO 1B Intermediate Photography **Units: 3**
- PHOTO 3A Introduction to Digital Photography **Units: 3**

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60**

## Auto Body Repair and Restoration

### Auto Body Advanced Repair and Restoration Certificate of Achievement

Upon successful completion of the Automotive Body Advanced Repair and Restoration certificate, the student possesses skills for employment as an apprentice collision repair technician, apprentice paint technician, or as a painter's helper and is qualified to pursue business ownership. After becoming employed, the student may be certified by the Automotive Service Excellence (ASE) or receive certification for various courses taken through I-CAR, Inter-Industry Conference on Auto Collision Repair.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the knowledge needed to accurately estimate, on a legal repair order (to Bureau of Automotive Repair standards), the required materials, parts and amount of labor to complete the repairs.
2. Demonstrate the advanced skill of assessing imperfections and irregularities of a surface in preparation for paint. Students will also demonstrate the skills necessary to perfect the surface prior to painting.
3. Demonstrate single stage and basecoat/clear coat painting skills at the industry standard level, including solvent/water based paints.
4. Perform the skills of metal shaping, shrinking, stretching, bending and cutting to demonstrate industry standard repairs at the advanced level.

### Core Requirements

Complete 20 units

- AUTOBODY 88A Master Auto Body Technician **Units: 4**
- AUTOBODY 88B Master Auto Body/Refinish Technician **Units: 4**
- AUTOMECH 92 Brakes, Suspension, and Steering **Units: 6**
- AUTOMECH 95 Air Conditioning, Heating, and Electrical Systems A7 **Units: 6**

### Minimum Units Required: 20

Complete all courses with a grade of "C" or better.

### Auto Body Basic Repair and Restoration Certificate of Achievement

Upon successful completion of the Automotive Body Basic Repair and Restoration certificate, the student demonstrates basic skills for employment as an automotive detailer and collision repair helper. After becoming employed, the student is eligible to take the examinations to be certified by the Automotive Service Excellence (ASE) or receive certification for various

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courses taken through I-CAR, Inter-Industry Conference on Auto Collision Repair.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the basic knowledge of auto construction, parts, materials, tools and measurements.
2. Demonstrate basic metal shape control.
3. Demonstrate various basic welding procedures/skills.
4. Demonstrate the required safety knowledge set forth by CCAR/SP2 Safety.

### Core Requirements

Complete 12 units

- AUTOBODY 84A Introductory Auto Collision Repair **Units:** 6
- AUTOBODY 84B Beginning Auto Collision Repair **Units:** 6

### Restricted Electives

Area A

Complete 3 units selected from:

- AUTOMECH 72 Basic Brakes, Suspensions, Wheel Alignment, and Maintenance **Units:** 3
- AUTOMECH 73 Basic Engine Performance and Electrical Systems A6 **Units:** 3

Area B

Complete 3 units selected from:

- INDUS 94 Industrial Mathematics and Algebra **Units:** 3
- Any General Education-approved math course

### Minimum Units Required: 18

Complete all courses with a grade of "C" or better.

## Auto Body Intermediate Repair and Restoration Certificate of Achievement

Upon successful completion of the Automotive Body Intermediate Repair and Restoration certificate, the student demonstrates skills for employment as an apprentice collision repair-person, apprentice paint technician, or as a painter's helper and may start his or her own business. After becoming employed, the student may be certified by the Automotive Service Excellence (ASE) or receive certification for various courses taken through I-CAR, Inter-Industry Conference on Auto Collision Repair.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the skills of determining which parts need to be replaced or repaired and demonstrate the skills required to install or repair parts.
2. Demonstrate the skills of basic paint applications such as one stage and base coat/clear coat paint.

3. Demonstrate the skills of surface preparation prior to painting.
4. Demonstrate the skills of plastic and composite repair techniques.
5. Demonstrate intermediate welding techniques such as Metal Inert Gas (MIG) and resistance spot.
6. Demonstrate intermediate metal shaping techniques such as shrinking, stretching, bending and cutting.

### Core Requirements

Complete 30 units

- AUTOBODY 84A Introductory Auto Collision Repair **Units:** 6
- AUTOBODY 84B Beginning Auto Collision Repair **Units:** 6
- AUTOBODY 84C Intermediate Auto Collision Repair **Units:** 6
- AUTOBODY 84D Advanced Auto Collision Repair **Units:** 6
- AUTOMECH 72 Basic Brakes, Suspensions, Wheel Alignment, and Maintenance **Units:** 3
- AUTOMECH 73 Basic Engine Performance and Electrical Systems A6 **Units:** 3

### Restricted Electives

Complete 6 units selected from:

- AUTOMECH 92 Brakes, Suspension, and Steering **Units:** 6
- AUTOMECH 95 Air Conditioning, Heating, and Electrical Systems A7 **Units:** 6

### Minimum Units Required: 36

Complete all courses with a grade of "C" or better.

## Automotive Electric Technology

### Automotive Electric Technology Certificate of Achievement

Upon successful completion of Automotive Electric Technology certificate, the student demonstrates knowledge of the skills necessary to diagnose, service, and perform repairs on cars, SUVs, and light duty trucks. The student demonstrates competence in the following areas: electrical/electronic systems, heating and air conditioning, and engine performance. The student can take the three Automotive Service Excellence (ASE) exams in the mentioned areas. The student can pursue career opportunities at dealerships, independent repair shops, smog shops, specialization shops, and public agencies. This automotive training program is accredited by the National Automotive Technicians Education Foundation (NATEF) in association with the National Institute for Automotive Service Excellence (ASE). This program is also certified by the California Department of Consumer Affairs/Bureau of Automotive Repair (DCA/BAR). The student can receive Level I and Level II certification to obtain the California Smog Check Inspector and Smog Check Repair Technician licenses and the

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Brake and Headlamp Adjusters license through the Bureau of Automotive Repair (BAR). The student can also obtain the Mobile Air Conditioning Society (MACS) certificate in automotive air conditioning.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Diagnose and repair automotive electrical systems.
2. Diagnose and repair automotive engine performance systems to meet local state and federal standards.
3. Diagnose and repair automotive air conditioning systems.
4. Diagnose and repair electrical in hybrid vehicle systems.

### Core Requirements

Complete 30 units

- AUTOMECH 60 Hybrid Electric Alternative Fuel Vehicle Technology L3 **Units: 6**
- AUTOMECH 91 Starting, Charging, and Electrical Systems A6 **Units: 6**
- AUTOMECH 95 Air Conditioning, Heating, and Electrical Systems A7 **Units: 6**
- AUTOMECH 96A Fuel Management and Computer Controls **Units: 6**
- AUTOMECH 96B Ignition Systems and Electronic Engine Controls **Units: 6**

### Restricted Electives

Complete 8 units selected from:

- AGEGR /AUTOMECH 74 Basic Engines **Units: 3**
- AUTOBODY 84A Introductory Auto Collision Repair **Units: 6**
- AUTOBODY 84B Beginning Auto Collision Repair **Units: 6**
- AUTOMECH 72 Basic Brakes, Suspensions, Wheel Alignment, and Maintenance **Units: 3**
- AUTOMECH 73 Basic Engine Performance and Electrical Systems A6 **Units: 3**
- AUTOMECH /AGEGR 74 Basic Engines **Units: 3**
- AUTOMECH 90A Emission Control Training Level 1 **Units: 4**
- AUTOMECH 90B Emissions Diagnosis and Repair Level 2 **Units: 1.5**
- AUTOMECH 92 Brakes, Suspension, and Steering **Units: 6**
- AUTOMECH 93 Engine Rebuilding **Units: 6**
- AUTOMECH 94 Manual Drivetrain and Axles **Units: 6**
- AUTOMECH 97 Automatic Transmissions and Transaxles **Units: 6**
- DIESL 94 Diesel Engine Principles **Units: 3**
- DIESL 96 Diesel Engine Fuel and Tune-Up **Units: 3**
- DIESL 99 Computer Diagnosis and Troubleshooting **Units: 2**

- INDUS 45 Industrial Technology **Units: 5**

### Minimum Units Required: 38

Complete all courses with a grade of "C" or better.

## Automotive Technology

### Automotive Technology, AS

Upon successful completion of the Automotive Technology Associate in Science degree, the student demonstrates knowledge and the skills necessary to perform various aspects of automotive repair. The student can pursue career opportunities at automotive factories, dealerships, independent automotive and auto body repair facilities, smog shops, specialization shops, restoration facilities, and public agencies. The student demonstrates competence in the following areas if emphasis in courses within the major and electives are AUTOMECH: engine repair, automatic transmission/transaxle, manual drive train and axles, suspension and steering, brakes, electrical/electronic systems, heating and air conditioning, and engine performance. The student can take the eight Automotive Service Excellence (ASE) exams in the mentioned areas. The student demonstrates competence in the following areas if emphasis in courses within the major and electives are AUTOBODY: painting and refinishing, non-structural analysis and damage repair, structural analysis and damage repair, damage analysis and estimating, and classic automotive restoration. This program is accredited by the National Automotive Technicians Education Foundation (NATEF) in association with the National Institute for Automotive Service Excellence (ASE). This program is certified by the California Department of Consumer Affairs/Bureau of Automotive Repair (DCA/BAR). This program is also certified by the Inter-Industry Conference on Auto Collision Repair (I-CAR).

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate an appreciation of the environment and safety for themselves, others, and our community.
2. Demonstrate skills and knowledge in the area of their concentration.
3. Reinforce their previous learning by applying knowledge of measurements, calculations, scientific concepts and principles to the working knowledge of sophisticated automotive equipment.
4. Demonstrate skills that promote personal and social development. Students will engage with professional communities that require adherence to requirements and encourage leadership within these business organizations.

### Major Requirements - Restricted Electives

Complete 42 units selected from:

- AUTOBODY 84A Introductory Auto Collision Repair **Units: 6**

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- AUTOBODY 84B Beginning Auto Collision Repair **Units: 6**
- AUTOBODY 84C Intermediate Auto Collision Repair **Units: 6**
- AUTOBODY 84D Advanced Auto Collision Repair **Units: 6**
- AUTOBODY 87C Auto Body Specialization - Painting **Units: 1-4**
- AUTOMECH 60 Hybrid Electric Alternative Fuel Vehicle Technology L3 **Units: 6**
- AUTOMECH 72 Basic Brakes, Suspensions, Wheel Alignment, and Maintenance **Units: 3**
- AUTOMECH 73 Basic Engine Performance and Electrical Systems A6 **Units: 3**
- AUTOMECH /AGEGR 74 Basic Engines **Units: 3**
- AUTOMECH 87A Automobile Mechanics Specialization **Units: 1-4**
- AUTOMECH 87B Auto Electrics Specialization **Units: 1-4**
- AUTOMECH 91 Starting, Charging, and Electrical Systems A6 **Units: 6**
- AUTOMECH 92 Brakes, Suspension, and Steering **Units: 6**
- AUTOMECH 94 Manual Drivetrain and Axles **Units: 6**
- AUTOMECH 95 Air Conditioning, Heating, and Electrical Systems A7 **Units: 6**
- AUTOMECH 96A Fuel Management and Computer Controls **Units: 6**
- AUTOMECH 96B Ignition Systems and Electronic Engine Controls **Units: 6**
- AUTOMECH 97 Automatic Transmissions and Transaxles **Units: 6**

### Minimum Major Units Required: 42

Complete all courses with a grade of "C" or better.

### General Education

Complete the following general education pattern:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 69

### Automotive Lubrication Technician Certificate of Achievement

The candidate successfully completing the Automotive Lubrication Technician certificate will qualify for entry-level employment at an automotive repair facility. Beginning technicians will obtain skills required to complete services and basic repairs with proficiency at lubrication service centers found at dealerships, high-volume lubrication

service centers, and independent repair shops. The candidate will be proficient in the following: lubrication services; electrical repairs in the battery, starting, and charging systems; braking system repairs; tire and suspension repairs; and preliminary engine management diagnostics usually associated with these lubrication service facilities.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Gain an appreciation of the environment and safety for themselves, others, and our community.
2. Demonstrate skills that promote personal and social development. Students will engage with professional communities that require adherence to requirements and encourage leadership within these business organizations.
3. Demonstrate skills and knowledge in the areas of brakes, suspensions, and electrical systems repair and service.

### Core Requirements

Complete 18 units

- AUTOMECH 72 Basic Brakes, Suspensions, Wheel Alignment, and Maintenance **Units: 3**
- AUTOMECH 73 Basic Engine Performance and Electrical Systems A6 **Units: 3**
- AUTOMECH 91 Starting, Charging, and Electrical Systems A6 **Units: 6**
- AUTOMECH 92 Brakes, Suspension, and Steering **Units: 6**

### Minimum Units Required: 18

Complete all courses with a grade of "C" or better.

### Automotive Master Technician Certificate of Achievement

Upon successful completion of the Automotive Master Technician certificate, the student demonstrates knowledge of the skills necessary to diagnose, service, and perform repairs on cars, SUVs, and light duty trucks. The student demonstrates competence in the following areas: engine repair, automatic transmission/transaxle, manual drive train and axles, suspension and steering, brakes, electrical/electronic systems, heating and air conditioning, and engine performance. The student can take the eight Automotive Service Excellence (ASE) exams in the mentioned areas. The student can pursue career opportunities at dealerships, independent repair shops, smog shops, specialization shops, and public agencies. This automotive training program is accredited by the National Automotive Technicians Education Foundation (NATEF) in association with the National Institute for Automotive Service Excellence (ASE). This program is also certified by the California Department of Consumer Affairs/Bureau of Automotive Repair (DCA/BAR). The student can receive Level I and Level II certification to obtain the California Smog Check Inspector and Smog Check Repair Technician licenses and the

## CERTIFICATES AND DEGREES BY AREA

Brake and Headlamp Adjusters license through the Bureau of Automotive Repair (BAR). The student can also obtain the Mobile Air Conditioning Society (MACS) certificate in automotive air conditioning.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge and skills to prepare for state and national certifications; from the California Bureau of Automotive Repair Clean Air Car Course, Brake and Lamp licensure, the federal Environmental Protection Agency for protecting the environment while repairing air conditioning systems, and from the National Institute for Automotive Service Excellence, indicating automotive technician competency.
2. Demonstrate technical competence in automotive repair by successfully completing a National Automotive Technicians Education Foundation certified course of training within the eight specific related areas.
3. Demonstrate repair order writing skills to meet Department of Consumer Affairs/Bureau of Automotive Repair requirements.
4. Demonstrate skills necessary to work as a fully trained automotive technician in all eight "ASE" areas: engine repair, automatic transmissions/transaxles, manual drive trains/axles, suspension and steering, brakes, electrical/electronics, engine performance, air conditioning advanced engine performance.

### Core Requirements

Complete 48 units

- AUTOMECH 91 Starting, Charging, and Electrical Systems A6 **Units: 6**
- AUTOMECH 92 Brakes, Suspension, and Steering **Units: 6**
- AUTOMECH 93 Engine Rebuilding **Units: 6**
- AUTOMECH 94 Manual Drivetrain and Axles **Units: 6**
- AUTOMECH 95 Air Conditioning, Heating, and Electrical Systems A7 **Units: 6**
- AUTOMECH 96A Fuel Management and Computer Controls **Units: 6**
- AUTOMECH 96B Ignition Systems and Electronic Engine Controls **Units: 6**
- AUTOMECH 97 Automatic Transmissions and Transaxles **Units: 6**

### Restricted Electives

Complete 4 - 6 units selected from:

- AUTOBODY 84A Introductory Auto Collision Repair **Units: 6**
- INDUS 35 Mobile Hydraulics **Units: 4**
- INDUS 45 Industrial Technology **Units: 5**

### Minimum Units Required: 52

Complete all courses with a grade of "C" or better.

## Automotive Mechanics Technology Certificate of Achievement

Upon successful completion of the Automotive Mechanics Technology certificate, the student demonstrates knowledge of the skills necessary to diagnose, service, and perform repairs on cars, SUVs, and light duty trucks. The student demonstrates competence in the following areas: engine repair, automatic transmission/ transaxle, manual drive train and axles, suspension and steering, and brakes. The student can take the five Automotive Service Excellence (ASE) exams in the mentioned areas. The student can pursue career opportunities at dealerships, independent repair shops, specialization shops, and public agencies. This automotive training program is accredited by the National Automotive Technicians Education Foundation (NATEF) in association with the National Institute for Automotive Service Excellence (ASE).

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the high level skills including ASE (Automotive Service Excellence) technician competence for these areas, service managers, shop owners of specialty shops, and major automotive corporation employees. The program is accredited by NATEF (National Automotive Technicians Education Foundation). The program is certified in five ASE areas.
2. Diagnose and repair automotive electronic control systems.
3. Diagnose and repair automotive suspension systems.
4. Diagnose and repair hydraulic systems.
5. Diagnose and repair mechanical problems on gasoline and diesel type engines.

### Core Requirements

Complete 24 units

- AUTOMECH 92 Brakes, Suspension, and Steering **Units: 6**
- AUTOMECH 93 Engine Rebuilding **Units: 6**
- AUTOMECH 94 Manual Drivetrain and Axles **Units: 6**
- AUTOMECH 97 Automatic Transmissions and Transaxles **Units: 6**

### Restricted Electives

Complete 6 units selected from:

- AUTOBODY 84A Introductory Auto Collision Repair **Units: 6**
- AUTOMECH 73 Basic Engine Performance and Electrical Systems A6 **Units: 3**
- AUTOMECH 91 Starting, Charging, and Electrical Systems A6 **Units: 6**
- AUTOMECH 95 Air Conditioning, Heating, and Electrical Systems A7 **Units: 6**
- AUTOMECH 96A Fuel Management and Computer Controls **Units: 6**

- AUTOMECH 96B Ignition Systems and Electronic Engine Controls **Units: 6**
- INDUS 35 Mobile Hydraulics **Units: 4**
- WELDING 10 Basic Welding for the Trades **Units: 4**

**Minimum Units Required: 30**

Complete all courses with a grade of "C" or better.

**Power Performance and Data Collecting Certificate of Achievement**

Upon successful completion of the Automotive Performance and Data Collecting Certificate of Achievement, the student demonstrates knowledge of the skills necessary to diagnose, service, data record, evaluate, and perform repairs on cars, SUVs, and light duty trucks. The student demonstrates competence in the following areas: advanced engine rebuilding, electrical/electronic, data-logging, engine performance, and dynamo meter testing. The student can pursue career opportunities in independent and specialized shops. This automotive training program is accredited by the National Automotive Technicians Education Foundation (NATEF) in association with the National Institute for Automotive Service Excellence (ASE).

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Complete tasks required in the areas of power-performance, engine rebuilding, and blueprinting.
2. Perform the tasks required for employment as an automotive machinist.
3. Demonstrate mastery level understanding of manufacture/aftermarket specification, Shop-Key repair manual, and automotive repair procedures.
4. Comply with personal and environmental safety practices associated with clothing, eye protection, hand tools, power equipment, proper ventilation, and the handling, storage, and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulation.

**Core Requirements**

Complete 15 units

- AUTOMECH 74 Basic Engines **Units: 3**
- AUTOMECH 93 Engine Rebuilding **Units: 6**
- AUTOMECH 99 Advanced Performance and Data Collecting **Units: 6**

**Restricted Electives**

Complete 3 units selected from:

- AUTOMECH 72 Basic Brakes, Suspensions, Wheel Alignment, and Maintenance **Units: 3**
- AUTOMECH 73 Basic Engine Performance and Electrical Systems A6 **Units: 3**

**Minimum Units Required: 18**

Complete all courses with a grade of "C" or better.

## Business Administration

### Business Administration 2.0, AS-T

The Associate in Science in Business Administration for Transfer degree provides the student with an introductory foundation of business and prepares a student to transfer to a CSU. The Associate in Science in Business Administration for Transfer program prepares students for a broad range of opportunities in the area of business. The completion of this degree provides preparation for upper-division work for students seeking to transfer and pursue a baccalaureate degree in Business from a California State University (CSU). The program offers students a foundation in business operations and management, accounting, economics, mathematics, and the legal environment of business. The Associate in Science in Business Administration for Transfer is based on the state-wide Transfer Model Curriculum for Business and prepares students for transfer into the CSU system to complete a baccalaureate degree in Business Administration or similar major. After completing the required courses in this program students will graduate with a broad-based understanding of the field of business, its demands, required skill-sets, needed abilities, and career opportunities. Completion Requirements: Completion of 60-semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education - Breadth Requirements. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADT's) also require that students must earn a "C" (or "P") or better in all courses required for the major or area of emphasis.

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Apply accounting and legal concepts and principles in making decisions about business operations.
2. Know how to use economic data sets/formulas in order to interpret and analyze data.
3. Find probability using the normal distribution.
4. Analyze application problems and choose appropriate mathematical models to solve the problems.
5. Students will be informed consumers of economic information as it relates to current and historic events.
6. Students will analyze and identify effective management styles and techniques.
7. Demonstrate proficiency in processing the accounting cycle for a business.
8. Identify and analyze the nature of budgeting and management decisions and apply and evaluate various methods used in making these decisions; including capital expenditure decisions and the time value of money.

## CERTIFICATES AND DEGREES BY AREA

9. The student will demonstrate an understanding of how derivatives are used in real-world applications such as rates of change, related rates, and marginal change on a mutually agreed upon examination.
10. Distinguish among primary functions within a business, such as human resources, management, marketing, accounting, finance, and production, considering the legal and ethical outcomes.
11. Students will analyze an application problem and choose an appropriate mathematical model (from those covered in this course) to solve the problem.

### Major Requirements - Core

Complete 27 units

- BUS 3 Financial Accounting **Units: 4**
- BUS 4 Managerial Accounting **Units: 4**
- BUS 18A Business Law **Units: 3**  
or BUS 19 Legal Environment of Business **Units: 3**
- BUS 20 Introduction to Business **Units: 3**
- ECON 3 Principles of Microeconomics **Units: 3**
- ECON 5 Principles of Macroeconomics **Units: 3**
- MATH 20 Finite Mathematics **Units: 3**
- or MATH 13 Survey of Calculus **Units: 4**
- STAT C1000 Introduction to Statistics **Units: 4**
- or STAT C1000E Introduction to Statistics Embedded Support **Units: 4.5**

### Minimum Major Units Required: 27

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Business, AS

The Major in Business is designed to develop a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Describe and discuss the global dimensions of business, including socio-cultural, political, legal, technological and economic environments.
2. Apply basic knowledge of legal issues and accounting principles.
3. Demonstrate communication, interpersonal, leadership, quantitative, and teamwork skills as well as a solid understanding of the contemporary business environment.

### Major Requirements - Core

Complete 3 units

- BUS 20 Introduction to Business **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 3 units selected from:

- BUS 1A Principles of Accounting **Units: 5**
- BUS 10A Bookkeeping **Units: 3**

Area B

Complete 3 units selected from:

- BUS 8 Introduction to Law and Society **Units: 3**
- LAW 25 Ethical Reasoning/Ethics in Practice **Units: 3**
- BUS 18A Business Law **Units: 3**
- BUS 18B Business Law **Units: 3**
- BUS 19 Legal Environment of Business **Units: 3**

Area C

Complete 3 units selected from:

- BUS 21 Marketing **Units: 3**
- BUS 22 Professional Selling **Units: 3**
- BUS 23 Advertising **Units: 3**

Area D

Complete 3 units selected from:

- BUS 24 Retail Management **Units: 3**
- BUS 30 Supervision and Human Relations **Units: 3**
- BUS 31 Introduction to Management **Units: 3**
- BUS 36 Human Resources Management **Units: 3**
- BUS 37 Human Behavior in Organizations **Units: 3**
- BUS 57 Introduction to Logistics **Units: 3**

Area E

Complete 3 units selected from:

- BUS 26 Economics of Business **Units: 3**
- BUS 88 Introduction to Municipal Clerkship **Units: 3**
- BUS 55 International Business **Units: 3**
- BUS 67 Introduction to Personal Finance **Units: 3**
- BUS /LAW 33 Introduction to Public Administration and Policy **Units: 3**

## CERTIFICATES AND DEGREES BY AREA

### Area F

Complete 3 units selected from:

- BUS 28 Entrepreneurial Mindset **Units: 3**
- BUS 29 Introduction to Entrepreneurship **Units: 3**
- BUS 60 Small Business Management **Units: 3**

### Minimum Major Units Required: 21

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Retail Management and Merchandising, AS

The Major in Retail Management and Merchandising is designed to develop a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career.
2. Analyze elements of the retail strategy, marketing, professional selling, financial management in order to lead strategies in merchandise management. This involves working closely with the members of the supply chain to accurately forecast trends, plan stock levels and monitor performance.
3. Demonstrate knowledge in the fundamentals of how to plan and direct the work of the organization, set policy, implement legal regulations, establish channels of communication, and evaluate the work performance of others.

### Major Requirements - Core

Complete 3 units

- BUS 24 Retail Management **Units: 3**

### Major Requirements - Restricted Electives

#### Area A

Complete 3 units selected from:

- BUS 8 Introduction to Law and Society **Units: 3**
- BUS 18A Business Law **Units: 3**
- BUS 18B Business Law **Units: 3**
- BUS 19 Legal Environment of Business **Units: 3**

#### Area B

Complete 12 units selected from:

- BUS 1A Principles of Accounting **Units: 5**
- BUS 10A Bookkeeping **Units: 3**
- BUS 20 Introduction to Business **Units: 3**
- BUS 21 Marketing **Units: 3**
- BUS 22 Professional Selling **Units: 3**
- BUS 23 Advertising **Units: 3**
- BUS 30 Supervision and Human Relations **Units: 3**
- BUS 31 Introduction to Management **Units: 3**
- BUS 36 Human Resources Management **Units: 3**
- BUS 60 Small Business Management **Units: 3**

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Business Certificate of Achievement

Upon successful completion of the Business Certificate of Achievement, the student will demonstrate the skills, knowledge, and training necessary for entry-level employment or career advancement. This program offers courses designed to give students an understanding of business operations, marketing, ethics, business law, supervision, management concepts and be used as an introduction to other areas of business including entrepreneurship, logistics, management, international business.

## CERTIFICATES AND DEGREES BY AREA

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Explain the importance of the global economy in labor, capital, trade, and the role it plays in the overall success of business organizations.
2. Compare and contrast the functions of production, marketing, and human resources within the business organization.
3. Analyze workplace scenarios identifying legal, ethical, and socially responsible situations and apply the concepts learned in this program.
4. Understand and apply basic business, marketing, and management concepts.
5. Understand ethical and legal issues in business situations.
6. Describe and integrate basic management theories into supervisory and management functions.

### Core Requirements

Complete 3 units

- BUS 20 Introduction to Business **Units: 3**

### Restricted Electives

Complete 1 course from each of the areas below.

#### Area A - Marketing

Complete 3 units selected from:

- BUS 21 Marketing **Units: 3**
- BUS 22 Professional Selling **Units: 3**
- BUS 23 Advertising **Units: 3**

#### Area B - Law

Complete 3 units selected from:

- BUS 8 Introduction to Law and Society **Units: 3**
- BUS 18A Business Law **Units: 3**
- BUS 19 Legal Environment of Business **Units: 3**

#### Area C - Management

Complete 3 units selected from:

- BUS 30 Supervision and Human Relations **Units: 3**
- BUS 31 Introduction to Management **Units: 3**

### Minimum Units Required: 12

Complete all courses with a grade of "C" or better.

## Entrepreneurship Certificate of Achievement

The Entrepreneurship certificate prepares students to launch a new business. The focus is on developing the entrepreneurial mindset, identifying and evaluating business opportunities, pitching the business idea, and developing a business plan.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Apply marketing, sales, advertising and customer service strategies to launch successful businesses.

2. Demonstrate knowledge needed to create and effectively pitch a business plan to prospective lenders and investors.
3. Develop and create an effective e-commerce model for a new entrepreneurial venture.
4. Understand the role of culture in entrepreneurship and the factors that contribute to the success of these businesses.
5. Demonstrate an understanding of financial concepts and financial statements in relation to entrepreneurship that is unique to a new venture launch from the perspective of an entrepreneur.
6. Demonstrate knowledge of the business legal structures and the laws and regulations for start-up businesses.

### Core Requirements

Complete 12 units

- BUS 28 Entrepreneurial Mindset **Units: 3**
- BUS 29 Introduction to Entrepreneurship **Units: 3**
- BUS 60 Small Business Management **Units: 3**
- BUS 87 Small Business Accounting **Units: 3**

### Restricted Electives

Complete 6 units selected from:

- BUS 2 Introduction to E-Commerce **Units: 3**
- BUS 12 Latinx and Latin American Culture and Entrepreneurship **Units: 3**
- BUS 21 Marketing **Units: 3**
- BUS 22 Professional Selling **Units: 3**
- BUS 89 QuickBooks **Units: 3**
- BUS 94A Small Business Start Up **Units: 1**
- BUS 94B Essential Topics for Small Business **Units: 1**
- BUS 94C The New Entrepreneur **Units: 1**
- BUS 94D The Law and the Small Business **Units: 1**
- BUS 94E Marketing and Advertising Strategies for Small Business **Units: 1**
- BUS 94F Customer Service Strategies **Units: 1**

### Minimum Units Required: 18

Complete all courses with a grade of "C" or better.

## Business Certificate of Achievement

Upon successful completion of the International Business certificate, the student demonstrates the skills, knowledge, and training to compete in the international/global marketplace, and to incorporate the global business perspective into their current employment or business. The student's skills will include the ability to analyze global business opportunities as well as interact with others from different cultures. Individuals are able to prepare basic international shipping documents as well as have the sensitivities to understand the issues that are involved in a global business operation.

## CERTIFICATES AND DEGREES BY AREA

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Analyze global business opportunities.
2. Compare and contrast the role that culture plays in global business operations.
3. Apply decision-making techniques to solve ethical issues in global business.
4. Describe how transportation and logistic services facilitate international trade.
5. Describe how purchasing and supply chain management, plans, implements, and controls the efficient flow and storage of goods and services between the point of origin and the point of consumption to meet the needs of the global marketplace.
6. Describe the tools, use, and impact of E-Commerce in international business and how to implement basic digital marketing strategies.

### Core Requirements

Complete 12 units

- BUS 2 Introduction to E-Commerce **Units: 3**
- BUS 55 International Business **Units: 3**
- BUS 57 Introduction to Logistics **Units: 3**
- LAW 25 Ethical Reasoning/Ethics in Practice **Units: 3**

### Restricted Electives

Complete 3 units selected from:

- BUS 12 Latinx and Latin American Culture and Entrepreneurship **Units: 3**
- BUS 84 Purchasing and Supply Management **Units: 3**
- COMM 7 Intercultural Communication **Units: 3**

### Minimum Units Required: 15

Complete all courses with a grade of "C" or better.

### Merchandising Certificate of Achievement

Upon successful completion of the Merchandising certificate, the student demonstrates skills, knowledge and training for retail sales persons positions. The student demonstrates skills to motivate the customer to make a purchase, assess what a customer wants or needs, match the wants and needs to the available merchandise, complete sales-related documents, handle returns and exchanges, stock shelves and take inventory, and prepare displays.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Utilize concepts of legal and ethical responsibilities of merchandising as well as accounting and bookkeeping.
2. Analyze current and future dimensions of retailing including traditional retail, non-store retail, and international expansion.

3. Explain the role of mission statements, policies, procedures, rules, and job descriptions within an organization and how they influence the responsibilities of merchandisers.
4. Analyze business strategies used in the merchandising. Business strategies include marketing, advertising, distribution control, and sales.
5. Utilize the vocabulary of merchandising appropriately.

### Core Requirements

Complete 12 units

- BUS 20 Introduction to Business **Units: 3**
- BUS 21 Marketing **Units: 3**
- BUS 22 Professional Selling **Units: 3**
- BUS 23 Advertising **Units: 3**

### Restricted Electives

Complete 9 units selected from:

- BUS 1A Principles of Accounting **Units: 5** or BUS 10A Bookkeeping **Units: 3**
- BUS 8 Introduction to Law and Society **Units: 3** or BUS 18A Business Law **Units: 3** or BUS 18B Business Law **Units: 3** or BUS 19 Legal Environment of Business **Units: 3**
- BUS 24 Retail Management **Units: 3**
- BUS 26 Economics of Business **Units: 3**
- BUS 30 Supervision and Human Relations **Units: 3**
- BUS 31 Introduction to Management **Units: 3**
- FASHION 2 Introduction to the Fashion Industry **Units: 3** or FASHION 24 Visual Merchandising/Store Design I **Units: 3**
- LAW 25 Ethical Reasoning/Ethics in Practice **Units: 3**

### Minimum Units Required: 21

Complete all courses with a grade of "C" or better.

### Municipal Clerk Certificate of Achievement

Upon successful completion of the Municipal Clerk certificate, the student will be prepared for careers as a City Clerk, support staff in the office of the city clerk, or other similar public administration positions. The duties of a Municipal Clerk requires knowledge of public relations, organizational behavior, management, public administration, legislative procedures, meeting preparation and keeping of official minutes, elections planning and procedures, processing of annexations and vacations, license and permit processing, projects and capital improvements approvals, contracts and deeds processing, and records management. This program provides training in all of these areas.

## CERTIFICATES AND DEGREES BY AREA

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of public relations, organizational behavior, management, public administration, legislative procedures, meeting preparation and keeping of official minutes, elections planning and procedures, processing of annexations and vacations, license and permit processing, projects and capital improvements approvals, contracts and deeds processing, and records management. This program provides training in all of these areas.

### Core Requirements

Complete 32 units

- BIM 43 Records Management in Public Agencies **Units: 3**
- BUS 1A Principles of Accounting **Units: 5**
- BUS 17 Business English **Units: 3**
- BUS 31 Introduction to Management **Units: 3**
- BUS 33 Introduction to Public Administration and Policy **Units: 3**
- BUS 88 Introduction to Municipal Clerkship **Units: 3**
- BUS 37 Human Behavior in Organizations **Units: 3**
- CS 11 Fundamentals of Computer Science **Units: 3**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**
- ENGL C1001 Critical Thinking and Writing **Units: 3**

### Restricted Electives

Area A

Complete 3 units selected from:

- BUS 30 Supervision and Human Relations **Units: 3**
- BUS 36 Human Resources Management **Units: 3**

Area B

Complete 3 units selected from:

- BUS 7 Business Communication **Units: 3**
- POLS C1000 American Government and Politics **Units: 3**

### Minimum Units Required: 38

Complete all courses with a grade of "C" or better.

### Retail Management Certificate of Achievement

Upon successful completion of the Retail Management certificate, the student demonstrates skills, knowledge, and training to get started or advance in a career in the retail industry. Students who complete this academic program gain the knowledge, skills, abilities and confidence that empower them to become successful

leaders in retail and service oriented companies and prepare retail employees for positions such as, first-line supervisors and managers. The student demonstrates his or her knowledge in the fundamentals of how to plan and direct the work of the organization, set policy, establish channels of communication, and evaluate the work that is done (in stores that specialize in selling a specific line of merchandise). The student demonstrates his or her ability to foster positive relationships, increase job satisfaction and ensure that customer or client needs are met; define company goals; apply relevant federal and state laws; recognize and evaluate industry trends; plan advertising campaigns and sales promotions; hire and train personnel; control inventories; draft budgets; and recommend, establish, or implement store procedures and policies.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate ability to utilize relevant technology-based business applications.
2. Describe the role of customer service and describe activities and behaviors that maximize all aspects of the consumer experience.
3. Present effective leadership and teamwork strategies including ability to interpret oral and written instructions and communicate to a variety of diverse audiences.
4. Analyze elements of the retail strategy including inventory management, marketing, human resources, merchandise management and financial management

### Core Requirements

Complete 26 units

- BUS 1A Principles of Accounting **Units: 5**
- BUS 17 Business English **Units: 3**
- BUS 21 Marketing **Units: 3**
- BUS 24 Retail Management **Units: 3**
- BUS 30 Supervision and Human Relations **Units: 3**
- BUS 31 Introduction to Management **Units: 3**
- BUS 36 Human Resources Management **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**

### Minimum Units Required: 26

Complete all courses with a grade of "C" or better.

### Small Business Certificate of Achievement

Upon successful completion of the Small Business certificate, the student demonstrates the skills, knowledge, and training for positions as a small business owner or assistant in a small business enterprise; and the skills necessary to start up and maintain a small business. Individuals also demonstrate the ability to prepare a business plan, analyze the funding required to start a business, develop a marketing plan, set up an elementary bookkeeping system, and articulate some of the legal issues facing small businesses today.

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of various risk management systems, loss prevention and insurance needed for small business owners.
2. Demonstrate knowledge of marketing, personal selling, advertising and customer service strategies used in the operation of a small business.
3. Articulate legal issues facing small business owners as well as define the various legal structures including sole proprietorship, partnerships and corporations.
4. Demonstrate knowledge of personal finance, bookkeeping and record keeping necessary to operate a small business.
5. Write a business plan and know how to communicate the elements of the business plan for a start-up or existing business.

**Core Requirements**

Complete 3 units

- BUS 60 Small Business Management **Units: 3**

**Restricted Electives**

Area A

Complete 5 units selected from:

- BUS 1A Principles of Accounting **Units: 5**
- BUS 10A Bookkeeping **Units: 3**
- BUS 89 QuickBooks **Units: 3**

Area B

Complete 3 units selected from:

- BUS 21 Marketing **Units: 3**
- BUS 22 Professional Selling **Units: 3**
- BUS 23 Advertising **Units: 3**

Area C

Complete 3 units selected from:

- BUS 18A Business Law **Units: 3**
- BUS 19 Legal Environment of Business **Units: 3**

Area D

Complete 7 units selected from:

- BUS 28 Entrepreneurial Mindset **Units: 3**
- BUS 29 Introduction to Entrepreneurship **Units: 3**
- BUS 94A Small Business Start Up **Units: 1**
- BUS 94B Essential Topics for Small Business **Units: 1**
- BUS 94C The New Entrepreneur **Units: 1**
- BUS 94D The Law and the Small Business **Units: 1**
- BUS 94E Marketing and Advertising Strategies for Small Business **Units: 1**
- BUS 94F Customer Service Strategies **Units: 1**

**Minimum Units Required: 21**

Complete all courses with a grade of "C" or better.

**Supervision and Management Certificate of Achievement**

Upon successful completion of the Supervision and Management certificate, the student demonstrates skills, knowledge, and training for positions such as first-line supervisors and managers. The student demonstrates their ability to: plan and direct the work of the organization; set policy; establish channels of communication; and evaluate the work that is done. The student demonstrates their ability to foster positive relationships; increase job satisfaction; and ensure that customer or client needs are met; define company goals; apply relevant federal and state laws and union contracts; recognize and evaluate industry trends.

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Describe management as a process and illustrate what managers do, how they do it, and the tools and techniques utilized.
2. Distinguish "management", "supervision," and "leadership," and describe the emphasis of each in transactional or transformational activities.
3. Explain the role of mission statements, policies, procedures, rules, and job descriptions within an organization and how they influence the responsibilities of supervisors/managers.
4. Distinguish between "good" and "poor" work ethics when given a variety of workplace situations.
5. Analyze economic data, financial, legal and ethical issues and problems faced by management to resolve the issues in their own business or work environment.
6. Able to write a business memorandum and communicate effectively with employees and other supervisors.
7. Demonstrate knowledge of ethical and legal issues in management as well as federal and state laws, business structures, and employee contracts.
8. Demonstrate and apply marketing skills for the recruitment of employees.

**Core Requirements**

Complete 9 units

- BUS 20 Introduction to Business **Units: 3**
- BUS 30 Supervision and Human Relations **Units: 3**
- BUS 31 Introduction to Management **Units: 3**

**Restricted Electives**

Area A

Complete 3 units selected from:

- BUS 8 Introduction to Law and Society **Units: 3**
- BUS 18A Business Law **Units: 3**
- BUS 19 Legal Environment of Business **Units: 3**

Area B

Complete 9 units selected from:

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- BIM 39 Office Management **Units: 3**
- BUS 1A Principles of Accounting **Units: 5**  
or BUS 10A Bookkeeping **Units: 3**
- BUS 17 Business English **Units: 3**
- BUS 18B Business Law **Units: 3**  
or LAW 25 Ethical Reasoning/Ethics in Practice **Units: 3**
- BUS 26 Economics of Business **Units: 3**
- BUS 32 Managing Diversity and Inclusion **Units: 3**
- BUS 35 Introduction to Leadership **Units: 3**
- BUS 36 Human Resources Management **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**

### Minimum Units Required: 21

Complete all courses with a grade of "C" or better.

## Business Information Management

### Administrative Office Executive Professional/Office Manager, AS

Upon successful completion of the Administrative Executive Professional/Office Manager Associate in Science degree, the student demonstrates advanced skills, knowledge, and training for first-line and middle-management supervisory positions of administrative and office support occupations similar to: Administrative Office Manager, Administrative Office Professional, Administrative Service Manager, and Executive Business Office Manager. The student demonstrates his or her ability to perform a broad range of intermediate to advanced management tasks requiring knowledge and skills of a high-level degree of independent judgement and business communication skills. The student will develop advanced critical thinking and problem-solving skills for a business environment. This degree is level 4 of 4 in the Administrative Executive Professional/Office Manager career pathway. The Administrative Executive Professional/Office Manager Associate in Science degree meets the minimum unit requirements of general education coursework for students transferring to CSU.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to format and write office management business communication, such as employee/manager formal communication, top/mid-level strategic planning communication, and/or marketing/outreach social media communication.
2. Assemble a Professional Portfolio demonstrating direct evidence of skills used in an Administrative Office Management environment.

### Major Requirements - Core

Complete 32.5 units

- BIM 1A Beginning Keyboarding **Units: 1**
- BIM 1B Intermediate Keyboarding and Microsoft Word Business Documents Formatting **Units: 2**
- BIM 38 Office Technologies and Procedures **Units: 3.5**
- BIM 39 Office Management **Units: 3**
- BIM 79 Microsoft Outlook **Units: 2**
- BIM 81 Records and Database Management **Units: 3**
- BUS 7 Business Communication **Units: 3**
- BUS 15 Excel Spreadsheets **Units: 3**
- BUS 17 Business English **Units: 3**
- BUS 36 Human Resources Management **Units: 3**
- BUS 89 QuickBooks **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 3 - 5 units selected from:

- BUS 1A Principles of Accounting **Units: 5**
- BUS 10A Bookkeeping **Units: 3**

Area B

Complete 3 units selected from:

- COMM C1000 Introduction to Public Speaking **Units: 3**
- COMM 3 Interpersonal Communication **Units: 3**
- COMM 7 Intercultural Communication **Units: 3**

Area C

Complete 2 units selected from:

- COUN 30 Career Self-Assessment **Units: 1**
- COUN 31 Career Exploration **Units: 1**
- COUN 32 Career Information Interviewing **Units: 1**
- COUN 33 Job Seeking Skills **Units: 1**

### Minimum Major Units Required: 40.5

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the

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units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 64.5

#### Administrative Office Assistant I Certificate of Achievement

Upon successful completion of the Administrative Office Assistant I certificate, the student demonstrates skills, knowledge, and training for entry-level employment in office related professional positions similar to Office Assistant, Administrative Assistant, Office Professional, Clerical, or Receptionist. The student demonstrates his or her ability to perform a broad range of entry-level administrative office tasks, such as keyboarding and document processing skills, communicating effectively in oral and written business communication, managing filing systems, basic to intermediate knowledge of Microsoft Office Professional Suite, including Word, Excel, PowerPoint, and Outlook. The student will also demonstrate proficiency in the use of office equipment and technology, such as web cameras, copy machines, and open source software applications. The certificate is level 1 of 4 in the Administrative Executive Professional/Office Manager career pathway.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to complete basic office application tasks using Microsoft Office Applications.
2. Demonstrate the ability to use keyboarding skills in a business environment.

#### Core Requirements

Complete 14 units

- BIM 1A Beginning Keyboarding **Units: 1**
- BIM 1B Intermediate Keyboarding and Microsoft Word Business Documents Formatting **Units: 2**
- BIM 38 Office Technologies and Procedures **Units: 3.5**
- BIM 79 Microsoft Outlook **Units: 2**
- BUS 17 Business English **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**

#### Restricted Electives

Complete 2 units selected from:

- COUN 30 Career Self-Assessment **Units: 1**
- COUN 31 Career Exploration **Units: 1**
- COUN 32 Career Information Interviewing **Units: 1**
- COUN 33 Job Seeking Skills **Units: 1**

### Minimum Units Required: 16

This certificate provides a foundation for the Administrative Office Executive Professional/Office Manager pathway,

and represents Level 1 of 4 in the Administrative Office Executive Professional/Office Manager, Associate in Science Degree pathway.

Complete all courses with a grade of "C" or better.

#### Administrative Office Assistant II Certificate of Achievement

Upon successful completion of the Administrative Office Assistant II certificate, the student demonstrates intermediate skills, knowledge, and training for office support positions similar to: Administrative Executive Assistant, Executive Assistant, Administrative Office Professional, and Executive Office Assistant job titles. The student demonstrates his or her ability to perform a broad range of intermediate clerical and office support tasks requiring knowledge and skills involving some degree of independent judgement and business communication skills. The student will develop critical thinking and problem-solving skills for a business environment that build upon the Administrative Office Assistant I Certificate of Achievement training and skills. This certificate is level 2 of 4 in the Administrative Executive Professional/Office Manager Career Pathway.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to use entry level to advanced Microsoft Office software application skills in a business environment.
2. Define and explain basic accounting and/or bookkeeping skills in business.

#### Core Requirements

Complete 23 units

- BIM 1A Beginning Keyboarding **Units: 1**
- BIM 1B Intermediate Keyboarding and Microsoft Word Business Documents Formatting **Units: 2**
- BIM 38 Office Technologies and Procedures **Units: 3.5**
- BIM 39 Office Management **Units: 3**
- BIM 79 Microsoft Outlook **Units: 2**
- BIM 81 Records and Database Management **Units: 3**
- BUS 15 Excel Spreadsheets **Units: 3**
- BUS 17 Business English **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**

#### Restricted Electives

Area A

Complete 3 - 5 units selected from:

- BUS 1A Principles of Accounting **Units: 5**
- BUS 10A Bookkeeping **Units: 3**

Area B

Complete 2 units selected from:

- COUN 30 Career Self-Assessment **Units: 1**

## CERTIFICATES AND DEGREES BY AREA

- COUN 31 Career Exploration **Units: 1**
- COUN 32 Career Information Interviewing **Units: 1**
- COUN 33 Job Seeking Skills **Units: 1**

### Minimum Units Required: 28

This certificate provides a foundation for the Administrative Office Executive Professional/Office Manager pathway, and represents Level 2 of 4 in the Administrative Office Executive Professional/Office Manager, Associate in Science Degree pathway.

Complete all courses with a grade of "C" or better.

### Administrative Office Executive Certificate of Achievement

Upon successful completion of the Administrative Office Executive certificate, the student demonstrates intermediate to advanced skills, knowledge, and training for advanced levels of administrative office support occupations and entry-level first-line supervisor of office and administrative support occupations similar to: Executive Administrative Assistant, Administrative Coordinator, Administrative Office Professional, Administrative Service Manager, and Business Office Manager. The student demonstrates his or her ability to perform a broad range of intermediate to advanced administrative and entry-level management tasks requiring knowledge and skills involving an intermediate to high-level degree of independent judgement and business communication skills. The student will develop advanced critical thinking and problem-solving skills for a business environment. This certificate is level 3 of 4 in the Administrative Executive Professional/Office Manager career pathway.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Assemble an Office Procedures Manual or a Professional Portfolio reflecting direct evidence of administrative office skills used in a business environment.
2. Demonstrate the ability to format memorandums, letters, e-mails, and other business documents to communicate effectively orally and in writing in an office environment.

### Core Requirements

Complete 26.5 units

- BIM 1A Beginning Keyboarding **Units: 1**
- BIM 1B Intermediate Keyboarding and Microsoft Word Business Documents Formatting **Units: 2**
- BIM 38 Office Technologies and Procedures **Units: 3.5**
- BIM 39 Office Management **Units: 3**
- BIM 79 Microsoft Outlook **Units: 2**
- BIM 81 Records and Database Management **Units: 3**

- BUS 15 Excel Spreadsheets **Units: 3**
- BUS 17 Business English **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

### Restricted Electives

#### Area A

Complete 3 units selected from:

- BUS 1A Principles of Accounting **Units: 5**
- BUS 10A Bookkeeping **Units: 3**

#### Area B

Complete 3 units selected from:

- COMM C1000 Introduction to Public Speaking **Units: 3**
- COMM 3 Interpersonal Communication **Units: 3**
- COMM 7 Intercultural Communication **Units: 3**

#### Area C

Complete 2 units selected from:

- COUN 30 Career Self-Assessment **Units: 1**
- COUN 31 Career Exploration **Units: 1**
- COUN 32 Career Information Interviewing **Units: 1**
- COUN 33 Job Seeking Skills **Units: 1**

#### Area D

Complete 3 units selected from:

- BUS 8 Introduction to Law and Society **Units: 3**
- BUS 30 Supervision and Human Relations **Units: 3**
- BUS 36 Human Resources Management **Units: 3**
- BUS 89 QuickBooks **Units: 3**
- BUS 98V Work Experience: Business, Accounting, & Business Information Management **Units: 1-4**
- CS 22 Computer Interface and Web Design **Units: 3**

### Minimum Units Required: 37.5

This certificate provides a foundation for the Administrative Office Executive Professional/Office Manager pathway, and represents Level 3 of 4 in the Administrative Office Executive Professional/Office Manager, Associate in Science Degree pathway.

Complete all courses with a grade of "C" or better.

### Medical Office Assistant Certificate of Achievement

Upon successful completion of the Medical Office Assistant certificate, the student demonstrates the skills, knowledge and training for entry-level employment in medical front-office positions, such as a medical office

## CERTIFICATES AND DEGREES BY AREA

bookkeeper, medical records file clerk, appointment clerk, insurance coordinator or billing clerk and medical office receptionist. Individuals are able to demonstrate knowledge of medical technology, bookkeeping and records management as well as the ability to work with patients effectively in scheduling appointments and collecting payments.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge and use of keyboarding and/or computer applications used in the business segment of a medical office setting.
2. Assemble an Office Procedures Manual or a Professional Portfolio reflecting direct evidence of office procedures and/or computer applications used in a medical front office environment.

### Core Requirements

Complete 16.5 units

- BIM 1A Beginning Keyboarding **Units: 1**
- BIM 38 Office Technologies and Procedures **Units: 3.5**
- BIM 81 Records and Database Management **Units: 3**
- BUS 10A Bookkeeping **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**
- H S 36 Medical Terminology and Speech **Units: 3**

### Minimum Units Required: 16.5

Complete all courses with a grade of "C" or better.

## Caterpillar Dealer Service Technician

### Caterpillar Dealer Service Technician Apprenticeship, AS

Upon successful completion of the Caterpillar Dealer Service Technician Apprenticeship Associate in Science degree, the apprentice will be prepared for completion of the related and supplemental instruction component of the State approved San Joaquin Valley Automotive Technician Apprenticeship Program. The apprentice is awarded a Journey Level Certificate from the State Division of Apprenticeship Standards upon completion of 7600 hours of On-The-Job training and satisfactory employer reports. The apprentices are qualified to perform service, maintenance, repairs and troubleshooting of diesel engines, transmissions, drive trains, transaxles, brakes, suspensions, steering systems, charging systems, electrical systems, electronic engine controls, fuel management controls, computer control systems and air conditioning systems on Caterpillar tractors and heavy equipment. A grade of "C" or better is required in each course.

NOTE: Please refer to the current catalog for information about Special Admissions Programs.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Score 60 or higher on the AED test administered by Caterpillar and/or Association of Equipment Dealers.
2. Use precision measuring tools to identify serviceable parts from worn parts.

### Major Requirements - Core

Complete 38 units

- CAT 21 Agricultural Welding **Units: 2**
- CAT 80 Caterpillar Service Industry **Units: 3**
- CAT 81 Caterpillar Engine Fundamentals **Units: 4**
- CAT 82 Fundamentals of Hydraulics **Units: 3**
- CAT 83 Caterpillar Engine Fuel Systems **Units: 3**
- CAT 84 Fundamentals of Electrical Systems **Units: 3**
- CAT 85 Caterpillar Air Conditioning **Units: 2**
- CAT 86 Fundamentals of Caterpillar Power Trains **Units: 3**
- CAT 87 Caterpillar Machine Hydraulic Systems **Units: 3**
- CAT 90 Caterpillar Undercarriage and Final Drive **Units: 3**
- CAT 91 Caterpillar Machine Electronic Systems **Units: 3**
- CAT 92 Caterpillar Engine Performance **Units: 2**
- CAT 93 Caterpillar Diagnostic Testing **Units: 2**
- CAT 94 Caterpillar Machine Specific Systems **Units: 2**

### Internship

Complete 16 units

- CAT 69V Internship: Heavy Equipment-Caterpillar **Units: 1-4**

### Minimum Major Units Required: 54

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 81

## CERTIFICATES AND DEGREES BY AREA

### Caterpillar Dealer Engine Technician Apprenticeship Certificate of Achievement

The Caterpillar Engine Technician certificate program at San Joaquin Delta College centers on teaching students the major components, tear down, rebuilding and troubleshooting of Caterpillar diesel engines. The coursework provides the students with skills for entry level positions as a Caterpillar engine technician. Curriculum content is based on industry standards and skills that can be applied to any diesel engine. Students can attain skills using state of the art equipment and trainers while working on real Caterpillar diesel engines. Through a selected progression of mechanical, electrical and troubleshooting courses, the student will be able to function as a Caterpillar diesel engine technician/mechanic. The objective of this certificate is to offer students opportunities to gain skills and knowledge in Caterpillar engine technology. San Joaquin Delta College in partnership with local industry has developed an academic program that prepares the students for the certificate in the Caterpillar Engine Technician apprenticeship program. This aligns their skills with current industry standards and certifications. Industry recognized that certifications provide measurable benefits to Caterpillar Dealer Engine Technician students and their employers and requested a certificate program be developed. This certificate can be stacked upon by other certificates and degrees such as the Caterpillar Dealer Service Technician Associates Degree program. All of the apprentices will complete the certificate program and the majority will continue on to finish the two year Associates degree. Some of the students will complete the Certificate and branch off into a program that is a Caterpillar Dealer specific Electric Power Generation program offered through the Dealer network.

NOTE: Please refer to the current catalog for information about Special Admissions Programs.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the fuel setting procedure on a 3406B new scroll fuel system.
2. Score 70 or higher on the diesel engine and electrical sections of the AED test administered by Caterpillar and/or Association of Equipment Dealers.

#### Core Requirements

Complete 18 units

- CAT 21 Agricultural Welding **Units: 2**
- CAT 80 Caterpillar Service Industry **Units: 3**
- CAT 81 Caterpillar Engine Fundamentals **Units: 4**
- CAT 82 Fundamentals of Hydraulics **Units: 3**
- CAT 83 Caterpillar Engine Fuel Systems **Units: 3**
- CAT 84 Fundamentals of Electrical Systems **Units: 3**

#### Internship

Complete 4 units

- CAT 69V Internship: Heavy Equipment-Caterpillar **Units: 1-4**

#### Minimum Units Required: 22

Complete all courses with a grade of "C" or better.

### Caterpillar Dealer Service Technician Apprenticeship Certificate of Achievement

The Caterpillar Dealer Service Technician Certificate of Achievement centers on teaching students the major components, tear down, rebuilding, and troubleshooting of Caterpillar diesel engines and machines. The coursework provides the students with skills for entry-level positions as a Caterpillar Machine Technician. Curriculum content is based on industry standards and skills that can be applied to many heavy equipment machines. Students can attain skills using state-of-the-art equipment and trainers while working on real Caterpillar diesel engines and machines. Through a selected progression of mechanical, electrical, hydraulic, and troubleshooting courses, the student will be able to function as a Caterpillar diesel engine and machine technician/mechanic. The objective of this certificate is to offer students opportunities to gain skills and knowledge in Caterpillar Machine technology. San Joaquin Delta College in partnership with local industry has developed an academic program that prepares the students for the certificate in the Caterpillar Dealer Service Technician apprenticeship program. This aligns their skills with current industry standards and certifications. Industry recognized that certifications provide measurable benefits to Caterpillar Dealer Service Technician students and their employers and requested a certificate program be developed. This certificate builds upon the Caterpillar Dealer Engine Technician Apprenticeship Certificate of Achievement and will prepare students to complete the Caterpillar Dealer Service Technician Associate in Science degree.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Score 60% or higher on the AED test administered by Caterpillar and/or Association of Equipment Dealers.
2. Demonstrate the ability to diagnose and repair heavy equipment.

#### Core Requirements

Complete 54 units

- CAT 21 Agricultural Welding **Units: 2**
- CAT 69V Internship: Heavy Equipment-Caterpillar **Units: 1-4** Students are required to enroll four times in CAT 69V for a total of 16 units.
- CAT 80 Caterpillar Service Industry **Units: 3**
- CAT 81 Caterpillar Engine Fundamentals **Units: 4**
- CAT 82 Fundamentals of Hydraulics **Units: 3**
- CAT 83 Caterpillar Engine Fuel Systems **Units: 3**

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- CAT 84 Fundamentals of Electrical Systems  
**Units: 3**
- CAT 85 Caterpillar Air Conditioning **Units: 2**
- CAT 86 Fundamentals of Caterpillar Power  
Trains **Units: 3**
- CAT 87 Caterpillar Machine Hydraulic Systems  
**Units: 3**
- CAT 90 Caterpillar Undercarriage and Final Drive  
**Units: 3**
- CAT 91 Caterpillar Machine Electronic Systems  
**Units: 3**
- CAT 92 Caterpillar Engine Performance **Units: 2**
- CAT 93 Caterpillar Diagnostic Testing **Units: 2**
- CAT 94 Caterpillar Machine Specific Systems  
**Units: 2**

### Minimum Units Required: 54

Complete all courses with a grade of "C" or better.

## Communication Studies

### Communication Studies 2.0, AA-T

The Communication Studies 2.0 Associate in Arts for Transfer is designed as a seamless pathway for students planning to transfer to a California State University (CSU) with a major in Communication Studies. Communication skills are essential to personal and professional success. Good communication skills promote self-confidence and enable individuals to exert more control over their lives because they can effectively research, conceptualize, organize, and present ideas and arguments. This is the corner stone to citizen-participation, which is the foundation of a democratic society. There is also a consistent body of evidence that supports the importance of communication skills in the workplace. Effective communication skills frequently are listed as an essential qualification for employment; employers report that they consistently rank communication competence above technical knowledge when hiring and promoting employees. Additionally, business leaders describe successful employees as those who possess the ability to ethically express their ideas to others with confidence and clarity. Furthermore, the globalization of business due in large part to the accessibility and immediacy of electronic communications, has made cross-cultural and multi-cultural linguistic communications skills in high demand. This is why a degree in Communication Studies 2.0 can lead to exciting careers in business, marketing, human resources, sales, education, politics, public relations and many more fields. Communication studies courses help students develop communication skills that they will use throughout their lives in a wide range of settings and for a variety of purposes. When students graduate with a Communication Studies 2.0 degree from Delta College, they will be able to work cooperatively in small groups, apply communication concepts, write, and speak proficiently in a variety of settings, employ research methods, employ critical thinking skills, utilize media and technology, and much more. Essentially, students will possess the communication skills that they will use

throughout their lives to strengthen relationships, contribute to their communities, advance professionally, and gain greater self-confidence. The completion of this degree ensures preparation for upper-division coursework for students seeking to transfer and pursue a baccalaureate degree in Journalism from a California State University (CSU). Students must complete 60 semester units of degree-applicable courses, have a minimum overall grade point average of 2.0, earn a minimum grade of "C" (or "P") for each course in the major, and complete IGETC and/or CSU GE-Breadth.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Employ critical thinking skills.
2. Apply research methods.
3. Write proficiently at the college level.
4. Speak proficiently in a variety of contexts.
5. Apply communication concepts.
6. Work cooperatively in small groups.
7. Communicate proficiently utilizing media and technology.

### Major Requirements - Core

Complete 6 units

- COMM C1000 Introduction to Public Speaking  
**Units: 3**
- COMM 3 Interpersonal Communication **Units: 3**

### Major Requirements - Restricted Electives

List A

Complete 9 units selected from:

- COMM 2 Oral Interpretation of Literature **Units: 3**
- COMM 5 Argumentation and Debate **Units: 3**
- COMM 7 Intercultural Communication **Units: 3**
- COMM 8 Small Group Communication **Units: 3**
- COMM 12 Introduction to Persuasion **Units: 3**
- COMM 52 Speech Activities and Advocacy  
**Units: 1-3**
- MCOM 5 Social Media and Society **Units: 3**

List B

Complete 3 units selected from:

- ANTHR 1 Cultural Anthropology **Units: 3**
- COMM 14 Statistical Analysis for Communication  
**Units: 3**
- COMM 4 Introduction to Human Communication  
**Units: 3**
- ENGL 1B College Composition and Literature  
**Units: 3**
- ENGL C1001 Critical Thinking and Writing  
**Units: 3**
- MCOM 11 Newswriting **Units: 3**
- PSYC C1000 Introduction to Psychology **Units: 3**
- SOCIO 1A Introduction to Sociology **Units: 3**

### Minimum Major Units Required: 18

## CERTIFICATES AND DEGREES BY AREA

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60**

## Computer Network Technician

### Computer Network Security Technician, AS

The Computer Network Security Technician program prepares students for a variety of career opportunities including the networking field. The program prepares students for the CCNA Security certification industry exam. Constantly evolving and modernizing classes include targeted skills training in emerging technologies like Wireless, Voice Over Internet Protocol (VOIP), Virtual Private Networks (VPN), Network Security, and Operating System Hardening. Many of these subjects have become basic required knowledge in other career fields. Students in Business, the Sciences, Arts, and Administration of Justice will all need skills in network technologies to excel in their fields. This course path gives training in today's important tech knowledge areas. This degree includes courses with an emphasis in Security. This degree incorporates the latest in emerging technologies and skills employers are seeking.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the confidence to work independently to setup, configure, and harden a network, stand-alone or application network system.
2. Demonstrate skills, knowledge, and training for employment as a Security Expert, Senior Security Administrator and Penetration Expert; ability to use the OSI model; and ability to logically solve and design a logical and physical topology with proper security implementations.

### Major Requirements - Core

Complete 24.5 units

- CNT 30A Introduction to Computer Networks **Units: 4**
- CNT 30B Switching, Routing, and Wireless Essentials **Units: 4**

- CNT 30C Enterprise Networking, Security, and Automation **Units: 4**
- CNT 30D Enterprise Networking **Units: 4**
- CNT 30E Network Hardware Application **Units: 2**
- CNT 34 CCNP Security **Units: 4**
- ELECT 14C IT Essentials (A+) **Units: 2.5**

### Major Requirements - Restricted Electives

Complete 9 units selected from:

- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CS 42 Introduction to Unix/Linux **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**
- CSA 35 Multimedia Presentations **Units: 3**
- CSP 17 Introduction to Programming Concepts and Methodologies **Units: 3**

**Minimum Major Units Required: 33.5**

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60.5**

### Computer Network Technician, AS

Upon successful completion of the Computer Network Technician Associate in Science degree, the student will demonstrate the ability to function as an entry-level computer network technician. The student will attain the required skills to: design and implement Local Area Networks (LANs) and autonomous Wide Area Networks (WANs), wire infrastructure as per industry standards, select and implement appropriate protocols, configure network devices such as routers, firewalls and switches, as well as manage, maintain and troubleshoot networks. The program prepares the students for industry certification such as Cisco Certified Network Associate (CCNA) and entry-level positions in the Information Technology industry such as network technician, network administrator, network system installer, network system sales/marketing, or independent network services contractor.

### **Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Demonstrate skills, knowledge, and training for employment as a Junior Network Administrator; ability to use the OSI model; and ability to logically solve and design a logical and physical topology.
2. Demonstrate the confidence to work independently to setup, configure, and maintain a network, stand-alone or application network system.
3. Demonstrate oral and written communications skills.

### **Major Requirements - Core**

Complete 36.5 units

- CNT 30A Introduction to Computer Networks **Units: 4**
- CNT 30B Switching, Routing, and Wireless Essentials **Units: 4**
- CNT 30C Enterprise Networking, Security, and Automation **Units: 4**
- CNT 30D Enterprise Networking **Units: 4**
- CNT 30E Network Hardware Application **Units: 2**
- CNT 34 CCNP Security **Units: 4**
- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CS 42 Introduction to Unix/Linux **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**
- CSA 35 Multimedia Presentations **Units: 3**
- ELECT 14C IT Essentials (A+) **Units: 2.5**

### **Minimum Major Units Required: 36.5**

Complete all courses with a grade of "C" or better.

### **General Education**

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### **Minimum Degree Units Required: 63.5**

## **Computer Network Security Technician Certificate of Achievement**

The Computer Network Security Technician certificate prepares students for a variety of career opportunities including the networking field. The program prepares students for Cisco Certified Network Associate (CCNA) and CCNA Security certification tests and CompTIA A+ tests. Constantly evolving and modernizing classes include targeted skills training in emerging technologies like Wireless, Voice Over Internet Protocol (VOIP), Virtual Private Networks (VPN), Network Security, and Operating System Hardening. Many of these subjects have become basic required knowledge in other career fields. Students in Business, the Sciences, Arts, and Administration of Justice will all need skills in network technologies to excel in their fields. This course path gives training in today's important tech knowledge areas. This certificate includes courses that apply towards an Associate in Science degree in Computer Network Technician and Computer Network Technician with emphasis in Security. This degree incorporates the latest in emerging technologies and skills employers are seeking.

### **Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Analyze network security for enterprise networks and demonstrate proper network design.
2. Demonstrate advanced security IOS implementation (IPS, IPSEC, VPNs).
3. Demonstrate mastery of a networking knowledge base equivalent to obtaining CCNA in Security certifications from Cisco Systems.

### **Core Requirements**

Complete 22.5 units

- CNT 30A Introduction to Computer Networks **Units: 4**
- CNT 30B Switching, Routing, and Wireless Essentials **Units: 4**
- CNT 30C Enterprise Networking, Security, and Automation **Units: 4**
- CNT 30D Enterprise Networking **Units: 4**
- CNT 34 CCNP Security **Units: 4**
- ELECT 14C IT Essentials (A+) **Units: 2.5**

### **Minimum Units Required: 22.5**

Complete all courses with a grade of "C" or better.

## **Computer Network Technician Certificate of Achievement**

Upon successful completion of the Computer Network Technician Certificate program, the student demonstrates the knowledge required to function as an entry-level computer network technician. The student will attain the necessary skills to design and implement Local Area Networks (LANs) and Wide Area Networks (WANs) as well as Network Automation, wire infrastructure as per industry standards, select and implement appropriate

## CERTIFICATES AND DEGREES BY AREA

protocols, configure network devices such as routers and switches, as well as manage, maintain and troubleshoot networks. The program prepares the students for industry certifications such as CCNA as well as for entry-level positions as network technicians, network administrators, network system installers, network system sales/marketing, or independent network services contractors.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the knowledge required to function as an entry-level computer networking technician; design and implement Local Area Networks (LANs) and Wide Area Networks (WANs).
2. Wire infrastructure as per industry standards; select and implement appropriate protocols; configure network devices such as routers and switches; and manage, maintain and troubleshoot networks.

### Core Requirements

Complete 20.5 units

- CNT 30A Introduction to Computer Networks **Units: 4**
- CNT 30B Switching, Routing, and Wireless Essentials **Units: 4**
- CNT 30C Enterprise Networking, Security, and Automation **Units: 4**
- CNT 30D Enterprise Networking **Units: 4**
- CNT 30E Network Hardware Application **Units: 2**
- ELECT 14C IT Essentials (A+) **Units: 2.5**

### Minimum Units Required: 20.5

Complete all courses with a grade of "C" or better.

## Computer Science

### Computer Science, AS-T

The Associate in Science in Computer Science for Transfer degree provides a solid preparation for transfer majors in computer science including an emphasis on object oriented programming, computer architecture, calculus and calculus based physics. Almost all industries of our economy are now tied to technology-driven tools. Those technology-driven tools make up the coursework for the Computer Science program. At San Joaquin Delta College you can learn system design and development, computer programming in a variety of languages, and web development. The intent of this degree is to assist students in seamlessly transferring to a CSU. With this degree the student will be prepared for transfer to the university upper division level in preparation for the eventual conferral of the Bachelor's Degree in Computer Science.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Meet the requirements for transfer to a four-year degree program at a CSU in Computer Science.
2. Demonstrate skills, knowledge, and training for employment as a computer programmer.

### Major Requirements - Core

Complete 23 - 24 units

- CS 55 Discrete Structures for Computer Science **Units: 3**
- CSP 25 Assembly Language Programming **Units: 3**
- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**
- PHYSC 4A Principles of Physics: Mechanics **Units: 4**
- PHYSC 4C Principles of Physics: Electricity and Magnetism **Units: 4**  
or CHEM 1A General Chemistry **Units: 5**

### Major Requirements - Restricted Electives

Complete 6 units selected from:

- CSP 26A Java Programming **Units: 3**  
and CSP 26B Data Structures with Java **Units: 3**  
or
- CSP 31A C++ Programming I **Units: 3**  
and CSP 31B C++ Programming II **Units: 3**

### Minimum Major Units Required: 29

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Computer Science, AS

Upon successful completion of the Associate in Science degree in Computer Science, the student is prepared for careers in programming, web site development, or computer network maintenance. Skills and knowledge include the ability to identify and correct computer security problems and network components, and logically solve computer-related software issues. Specific courses in each specialization further refine the knowledge base in each discipline.

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### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate understanding of basic networking concepts and ability to utilize that knowledge to configure a basic networking device and solve basic network security problems.
2. Demonstrate understanding of basic Operating System concepts and ability to utilize that knowledge to setup the Operating System of a computer system.
3. Demonstrate the skills to use application software such as word processing, spreadsheet processing programs, and database management system.
4. Demonstrate the skills to plan, create, test, and debug computer programs using procedural programming or Object-Oriented Programming techniques.
5. Demonstrate the ability to identify and understand the basic terminology used in Computer Science and how computer hardware and software work together to produce desired results.
6. Demonstrate the skills and training for employment and/or transfer to a four-year college or university.

### Major Requirements - Core

Complete 9 units

- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CS 33 Systems Analysis and Design **Units: 3**

### Major Requirements - Restricted Electives

Complete 12 units from one of the Areas below:

#### Area A - Emphasis: Programming

- CSP 25 Assembly Language Programming **Units: 3**
- CSP 26A Java Programming **Units: 3**
- CSP 31A C++ Programming I **Units: 3**  
or
- CSP 31B C++ Programming II **Units: 3**
- Elective - 3 units from courses listed under Electives Within the Major **Units: 3**

#### Area B - Emphasis: Database

- CS 12 Introduction to Management Information Systems **Units: 3**
- CSP 43A Database Design and Implementation Using Oracle **Units: 3**
- Elective - 6 units from courses listed under Electives Within the Major **Units: 6**

#### Area C - Emphasis: Game Design

- CS 16 Introduction to Game Design **Units: 3**
- CSW 38 Web Animation **Units: 3**

- Elective - 6 units from courses listed under Electives Within the Major **Units: 6**

#### Electives within the Major

- CS 12 Introduction to Management Information Systems **Units: 3**
- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CS 42 Introduction to Unix/Linux **Units: 3**
- CS 50SS Special Studies: Computer Science **Units: 1-4**
- CS 56 Networking Essentials **Units: 3**
- CSN 40 Information Security Fundamentals **Units: 3**
- CSN 60 Network Security **Units: 3**
- CSP 25 Assembly Language Programming **Units: 3**
- CSP 26A Java Programming **Units: 3**
- CSP 26B Data Structures with Java **Units: 3**
- CSP 31A C++ Programming I **Units: 3**
- CSP 31B C++ Programming II **Units: 3**
- CSP 43A Database Design and Implementation Using Oracle **Units: 3**
- CSW 21 Interactive Website Development **Units: 3**
- CSW 23 Basic Website Design **Units: 3**

### Minimum Major Units Required: 21

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Computer Operations Certificate of Achievement

Upon successful completion of the Computer Operations certificate, the student demonstrates skills, knowledge, and training for employment as a beginning computer operator; his or her ability to use an operating system; and his or her ability to logically solve and write a solution in a first semester programming language course.

## CERTIFICATES AND DEGREES BY AREA

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate skills, knowledge, and training for employment as a beginning computer operator; his or her ability to use an operating system; and his or her ability to logically solve and write a solution in a first semester programming language course.

### Core Requirements

Complete 17 units

- BIM 1A Beginning Keyboarding **Units: 1** or Typing Certificate for 40 WPM+
- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CS 33 Systems Analysis and Design **Units: 3**
- CS 56 Networking Essentials **Units: 3**
- Associate Degree Math Requirement **Credits / Units: 4**

### Restricted Electives

Area A

Complete 1 unit selected from:

- CS 50SS Special Studies: Computer Science **Units: 1-4**
- CS 98V Work Experience: Computer Science **Units: 1-4**

Area B

Complete 3 units selected from:

- CS 42 Introduction to Unix/Linux **Units: 3**
- CSP 25 Assembly Language Programming **Units: 3**
- CSP 26A Java Programming **Units: 3**
- CSP 31A C++ Programming I **Units: 3**
- CSP 31B C++ Programming II **Units: 3**

### Minimum Units Required: 21

Complete all courses with a grade of "C" or better.

### Computer Science Certificate of Achievement

Upon successful completion of the Computer Science certificate, the student demonstrates skills, knowledge, and training for employment as a programmer or programmer trainee and prepare for an Associate in Science degree in Computer Science.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate skills, knowledge, and training for employment as a programmer or programmer trainee, and preparation for an AS degree in Computer Science.

### Core Requirements

Complete 32.5 units

- COMM C1000 Introduction to Public Speaking **Units: 3**
- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CS 33 Systems Analysis and Design **Units: 3**
- CS 42 Introduction to Unix/Linux **Units: 3**
- CS 56 Networking Essentials **Units: 3**
- CSP 17 Introduction to Programming Concepts and Methodologies **Units: 3**
- CSP 25 Assembly Language Programming **Units: 3**
- CSP 43A Database Design and Implementation Using Oracle **Units: 3**
- ELECT 14C IT Essentials (A+) **Units: 2.5**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

### Restricted Electives

Area A

Complete 5 units selected from:

- MATH 1 Calculus I **Units: 5**
- MATH 39 Precalculus **Units: 6**

Area B

Complete 4 units selected from:

- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**

Area C

Complete 6 units selected from:

- CSP 26A Java Programming **Units: 3**
- CSP 31A C++ Programming I **Units: 3**

Area D

Complete 3 units selected from:

- CSP 26B Data Structures with Java **Units: 3**
- CSP 31B C++ Programming II **Units: 3**

### Minimum Units Required: 50.5

Complete all courses with a grade of "C" or better.

### Computer Support Certificate of Achievement

Upon successful completion of the Computer Support certificate, the student will demonstrate skills, knowledge, and training for employment in a computer support position. The student demonstrates the ability to use common business software applications, creates basic web pages, and writes computer programs in a working environment.

### **Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Demonstrate skills, knowledge, and training for employment in a computer support position. The student demonstrates the ability to use common business software applications, creates basic web pages, and writes computer programs in a working environment.

### **Core Requirements**

Complete 29.5 units

- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 12 Introduction to Management Information Systems **Units: 3**
- CS 56 Networking Essentials **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**
- CSA 35 Multimedia Presentations **Units: 3**
- CSP 17 Introduction to Programming Concepts and Methodologies **Units: 3**
- CSP 43A Database Design and Implementation Using Oracle **Units: 3**
- CSW 23 Basic Website Design **Units: 3**
- ELECT 14C IT Essentials (A+) **Units: 2.5**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

### **Restricted Electives**

Area A

Complete 3 units selected from:

- CSP 26A Java Programming **Units: 3**
- CSP 31A C++ Programming I **Units: 3**

Area B

Complete 3 units selected from:

- BUS 1A Principles of Accounting **Units: 5**
- BUS 10A Bookkeeping **Units: 3**

Area C

Complete 3 units selected from:

- COMM C1000 Introduction to Public Speaking **Units: 3**
- COMM 3 Interpersonal Communication **Units: 3**

Area D

Complete 3 - 6 units selected from:

- MATH 1 Calculus I **Units: 5**
- STAT C1000 Introduction to Statistics **Units: 4**
- MATH 20 Finite Mathematics **Units: 3**
- MATH 39 Precalculus **Units: 6**

### **Minimum Units Required: 41.5**

Complete all courses with a grade of "C" or better.

## **Computer Support Technician Certificate of Achievement**

Upon successful completion of the Computer Support - Technician certificate, the student will demonstrate skills, knowledge, and training for employment in a computer support position. The student demonstrates the ability to use common business software applications in a working environment and create basic web pages.

### **Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Demonstrate skills, knowledge, and training for employment in a computer support position. The student demonstrates the ability to use common business software applications in a working environment and create basic web pages.

### **Core Requirements**

Complete 26.5 units

- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 12 Introduction to Management Information Systems **Units: 3**
- CS 56 Networking Essentials **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**
- CSA 35 Multimedia Presentations **Units: 3**
- CSP 17 Introduction to Programming Concepts and Methodologies **Units: 3**
- CSW 23 Basic Website Design **Units: 3**
- ELECT 14C IT Essentials (A+) **Units: 2.5**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

### **Restricted Electives**

Complete 3 units selected from:

- COMM C1000 Introduction to Public Speaking **Units: 3**
- COMM 3 Interpersonal Communication **Units: 3**

### **Minimum Units Required: 29.5**

Complete all courses with a grade of "C" or better.

## **Computer Science Networking**

### **Computer Information Systems, AS**

Upon successful completion of the Computer Information Systems Associate in Science degree, the student is prepared for careers in website development or computer network maintenance. Skills and knowledge include the ability to identify and correct computer security problems and network components, and logically solve computer-related software issues. Specific courses in each specialization further refine the knowledge base in each discipline. Students may choose from a variety of approved General Education courses to complete the degree.

## CERTIFICATES AND DEGREES BY AREA

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the skills to use application software such as word processing, spreadsheet processing programs, and database management system.
2. Demonstrate the skills to plan a web site that offers basic HTML features, develop the web site and then publish it to the web.
3. Demonstrate understanding of basic Operating System concepts and ability to utilize that knowledge to setup the Operating System of a computer system.
4. Demonstrate understanding of basic networking concepts and ability to utilize that knowledge to configure a basic networking device and solve basic network security problems.

### Major Requirements - Core

Complete 12 units

- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 12 Introduction to Management Information Systems **Units: 3**
- CS 56 Networking Essentials **Units: 3**
- CSN 40 Information Security Fundamentals **Units: 3**

### Major Requirements - Restricted Electives

Complete 12 units from Area A - Web Emphasis or Area B - Networking Emphasis:

#### Area A - Web Emphasis

- CSW 21 Interactive Website Development **Units: 3**
- CSW 23 Basic Website Design **Units: 3**
- CSW 38 Web Animation **Units: 3**
- CSW 39 Dreamweaver **Units: 3**

#### Area B - Networking Emphasis

- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CS 42 Introduction to Unix/Linux **Units: 3**
- CSN 60 Network Security **Units: 3**

Area C - Complete an additional 12 units from Area A, Area B or the following:

- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CS 33 Systems Analysis and Design **Units: 3**
- CS 42 Introduction to Unix/Linux **Units: 3**

### Minimum Major Units Required: 36

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60**

## Computer Networking Competence Certificate of Achievement

The Computer Networking - Competence certificate is designed to prepare students for careers in information technology specifically in the area of computer networking. Students learn how to design and implement network software using Microsoft Windows and/or similar operating systems; and continues preparation for an AS degree and/or for transfer to a four-year college.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate understanding of intermediate networking and operating concepts by proposing solution to a more difficult networking and operating system problems, and also perform configurations of both hardware and software to, writing scripts in Unix/Linux or administer Windows server implement the proposed solution.
2. Demonstrate understanding of how the different parts of a computer performs by diagnosing a problem and also perform the necessary diagnostic task to problems of intermediate level.

### Core Requirements

Complete 23.5 units

- COMM C1000 Introduction to Public Speaking **Units: 3**
- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CS 42 Introduction to Unix/Linux **Units: 3**
- CS 56 Networking Essentials **Units: 3**
- CSW 23 Basic Website Design **Units: 3**
- ELECT 14C IT Essentials (A+) **Units: 2.5**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

## CERTIFICATES AND DEGREES BY AREA

### Restricted Electives

Complete 3 units selected from:

- CSP 26A Java Programming **Units: 3**
- CSP 31A C++ Programming I **Units: 3**

### Minimum Units Required: 26.5

Complete all courses with a grade of "C" or better.

### Computer Networking Essentials Certificate of Achievement

The Computer Networking Essentials certificate is designed to prepare students for entry-level careers in information technology specifically in the area of computer networking. Students learn how to design and implement network software using Microsoft Windows and/or similar operating systems.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate understanding of how the different parts of a computer performs by diagnosing a problem and also perform the necessary diagnostic task.
2. Demonstrate understanding of basic networking and operating concepts by proposing solution to a simple networking and operating system problem, and also perform basic configurations of both hardware and software to implement the solution.

### Core Requirements

Complete 14.5 units

- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CS 56 Networking Essentials **Units: 3**
- CSP 17 Introduction to Programming Concepts and Methodologies **Units: 3**
- ELECT 14C IT Essentials (A+) **Units: 2.5**

### Restricted Electives

Complete 3 units selected from:

- COMM C1000 Introduction to Public Speaking **Units: 3**
- ENGL C1000 Academic Reading and Writing **Units: 3**
- ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

### Minimum Units Required: 17.5

Complete all courses with a grade of "C" or better.

### Computer Networking Software Certificate of Achievement

The Computer Networking Software certificate is designed to prepare students for careers in information technology specifically in the area of computer networking. Students

learn how to design and implement network software using Microsoft Windows and/or similar operating systems; and preparation for an AS degree and/or for transfer to a four-year college.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate understanding of advanced networking and operating concepts by proposing solution to a extreme difficult networking and operating system problems, and also perform configurations of both hardware, software and writing scripts in Unix/Linux or administer Windows server implement the proposed solution across the network using Active Directory and Group Policies.
2. Demonstrate understanding of how the different parts of a computer performs by diagnosing a problem and also perform the necessary diagnostic task.

### Core Requirements

Complete 26.5 units

- COMM C1000 Introduction to Public Speaking **Units: 3**
- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CS 42 Introduction to Unix/Linux **Units: 3**
- CS 56 Networking Essentials **Units: 3**
- CSN 60 Network Security **Units: 3**
- CSW 23 Basic Website Design **Units: 3**
- ELECT 14C IT Essentials (A+) **Units: 2.5**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

### Restricted Electives

Area A

Complete 3 units selected from:

- CSP 26A Java Programming **Units: 3**
- CSP 31A C++ Programming I **Units: 3**

Area B

Complete 3 units selected from:

- CSP 26A Java Programming **Units: 3**
- CSP 26B Data Structures with Java **Units: 3**
- CSP 31A C++ Programming I **Units: 3**
- CSP 31B C++ Programming II **Units: 3**

### Minimum Units Required: 32.5

Complete all courses with a grade of "C" or better.

## CERTIFICATES AND DEGREES BY AREA

### Computer Science Programming

#### Computer Programming Certificate of Achievement

Upon successful completion of the Computer Programming certificate, students demonstrate skills, knowledge, and training for employment as a programmer or programmer trainee, including the ability to solve problems logically in at least two programming languages. The certificate will also help prepare students for an associate's degree and/or to transfer to a four-year college.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate understanding of basic Operating System concepts and ability to utilize that knowledge to setup the Operating System of a computer system.
2. Demonstrate the skills to use application software such as word processing, spreadsheet processing programs, and database management system.
3. Demonstrate understanding of basic networking concepts and ability to utilize that knowledge to configure a basic networking device and solve basic network security problems.
4. Demonstrate the skills to plan, create, test, and debug computer programs using procedural programming or Object-Oriented Programming techniques that may involve using of basic data structures such as stacks and queues to solve basic to intermediate problems.
5. Demonstrate understanding of how the different parts of a computer performs by diagnosing a problem and also perform the necessary diagnostic task.

#### Core Requirements

Complete 26.5 units

- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CS 33 Systems Analysis and Design **Units: 3**
- CS 56 Networking Essentials **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**
- CSP 17 Introduction to Programming Concepts and Methodologies **Units: 3**
- CSP 25 Assembly Language Programming **Units: 3**
- ELECT 14C IT Essentials (A+) **Units: 2.5**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

#### Restricted Electives

##### Area A

Complete 6 units selected from:

- CSP 26A Java Programming **Units: 3**
- CSP 31A C++ Programming I **Units: 3**
- CSP 43A Database Design and Implementation Using Oracle **Units: 3**

##### Area B

Complete 3 units selected from:

- CSP 26B Data Structures with Java **Units: 3**
- CSP 31B C++ Programming II **Units: 3**

##### Area C

Complete 3 units selected from:

- MATH 1 Calculus I **Units: 5**
- STAT C1000 Introduction to Statistics **Units: 4**
- MATH 20 Finite Mathematics **Units: 3**
- MATH 39 Precalculus **Units: 6**

##### Area D

Complete 3 units selected from:

- COMM C1000 Introduction to Public Speaking **Units: 3**
- COMM 3 Interpersonal Communication **Units: 3**

##### Area E

Complete 3 units selected from:

- BUS 1A Principles of Accounting **Units: 5**
- BUS 10A Bookkeeping **Units: 3**

#### Minimum Units Required: 44.5

Complete all courses with a grade of "C" or better.

#### Computer Programming Competence Certificate of Achievement

Upon successful completion of the Computer Programming Competence certificate, students demonstrate skills, knowledge, and training for employment as a programmer trainee, including the ability to solve problems logically in at least one programming language. Students also begin preparation for an associate's degree and/or transfer to a four-year college.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate understanding of basic Operating System concepts and ability to utilize that knowledge to setup the Operating System of a computer system.
2. Demonstrate the skills to use application software such as word processing, spreadsheet processing programs, and database management system.
3. Demonstrate the skills to plan, create, test, and debug computer programs using procedural programming or Object-Oriented Programming techniques.

## CERTIFICATES AND DEGREES BY AREA

4. Demonstrate understanding of how the different parts of a computer performs by diagnosing a problem and also perform the necessary diagnostic task.

### Core Requirements

Complete 23.5 units

- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CS 33 Systems Analysis and Design **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**
- CSP 17 Introduction to Programming Concepts and Methodologies **Units: 3**
- CSP 25 Assembly Language Programming **Units: 3**
- ELECT 14C IT Essentials (A+) **Units: 2.5**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

### Restricted Electives

Area A

Complete 3 units selected from:

- COMM C1000 Introduction to Public Speaking **Units: 3**
- COMM 3 Interpersonal Communication **Units: 3**

Area B

Complete 3 units selected from:

- MATH 1 Calculus I **Units: 5**
- STAT C1000 Introduction to Statistics **Units: 4**
- MATH 20 Finite Mathematics **Units: 3**
- MATH 39 Precalculus **Units: 6**

Area C

Complete 3 units selected from:

- CSP 26A Java Programming **Units: 3**
- CSP 31A C++ Programming I **Units: 3**

### Minimum Units Required: 32.5

Complete all courses with a grade of "C" or better.

### Computer Programming Essentials Certificate of Achievement

Upon successful completion of the Computer Programming Essentials certificate, students demonstrate skills, knowledge, and training for employment as a programmer trainee, including the ability to solve problems logically. Students also begin preparation for an associate's degree and/or transfer to a four-year college.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the skills to use application software such as word processing, spreadsheet

processing programs, and database management system.

2. Demonstrate understanding of basic Operating System concepts and ability to utilize that knowledge to setup the Operating System of a computer system.
3. Demonstrate the skills to plan, create, test, and debug computer programs using procedural programming or Object-Oriented Programming techniques to solve simple problems.
4. Demonstrate understanding of how the different parts of a computer performs by diagnosing a problem and also perform the necessary diagnostic task.

### Core Requirements

Complete 17.5 units

- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 32 Introduction to Computer Operating Systems **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**
- CSP 17 Introduction to Programming Concepts and Methodologies **Units: 3**
- ELECT 14C IT Essentials (A+) **Units: 2.5**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

### Minimum Units Required: 17.5

Complete all courses with a grade of "C" or better.

## Computer Science Web Design

### Computer Web Developer Certificate of Achievement

The Computer Science Web Developer certificate is designed to prepare students to enter into the field of web page design. Students completing the program may enter the field for employment or transfer to a four-year university.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to understand and use basic computer-related terminology, hardware, and software to manage web sites, anticipate and correct security problems, launch and test web pages using various operating systems.
2. Demonstrate the ability to do the following: a) to prepare, design, and modify HTML files to build and revise web pages and web sites. b) design web pages and web sites to meet current functional design standards, relevant statutes, and electronic commerce functions. c) to add advanced features to web pages including

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scripting language coding, multimedia, and animation.

### Core Requirements

Complete 30 units

- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 22 Computer Interface and Web Design **Units: 3**
- CS 42 Introduction to Unix/Linux **Units: 3**
- CS 56 Networking Essentials **Units: 3**
- CSN 40 Information Security Fundamentals **Units: 3**
- CSP 43A Database Design and Implementation Using Oracle **Units: 3**
- CSW 21 Interactive Website Development **Units: 3**
- CSW 23 Basic Website Design **Units: 3**
- CSW 38 Web Animation **Units: 3**
- CSW 39 Dreamweaver **Units: 3**

### Restricted Electives

Area A

Complete 3 units selected from:

- CSP 26A Java Programming **Units: 3**
- CSP 31A C++ Programming I **Units: 3**

Area B

Complete 3 units selected from:

- CSP 26B Data Structures with Java **Units: 3**
- CSP 31B C++ Programming II **Units: 3**

### Minimum Units Required: 36

Complete all courses with a grade of "C" or better.

## Computer Web Developer Technician Certificate of Achievement

Upon successful completion of the requirements for a Computer Web Developer Technician certificate, the student demonstrates skills, knowledge, and training to set up a basic web page with simple scope and graphics or to secure employment as an entry-level technician at a web page design business. The student demonstrates his or her ability to set up, change and maintain web pages for themselves and others.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate skills, knowledge, and training to set up a basic web page with simple scope and graphics or to secure employment as an entry-level technician at a web page design business. The student demonstrates his or her ability to set up, change and maintain web pages for themselves and others.

### Core Requirements

Complete 27 units

- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 42 Introduction to Unix/Linux **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**
- CSP 17 Introduction to Programming Concepts and Methodologies **Units: 3**
- CSP 43A Database Design and Implementation Using Oracle **Units: 3**
- CSW 21 Interactive Website Development **Units: 3**
- CSW 23 Basic Website Design **Units: 3**
- CSW 38 Web Animation **Units: 3**
- CSW 39 Dreamweaver **Units: 3**

### Restricted Electives

Complete 3 units selected from:

- CSP 26A Java Programming **Units: 3**
- CSP 31A C++ Programming I **Units: 3**

### Minimum Units Required: 30

Complete all courses with a grade of "C" or better.

## Culinary Arts

### Advanced Culinary Arts, AS

The Advanced Culinary Arts Associate in Science degree is designed to train individuals in all aspects of the culinary arts field. Successful students will be prepared to work as cooks in a wide range of food service settings, such as restaurants, hotels, catering operations, and institutional kitchens. Training options also prepare students to transfer to a professional chef program or four-year university or accelerate opportunities to advance to sous chef level. Students are instructed in the preparation of stocks, soups, sauces, side dishes, garde manger, entrees, breads, pastries, and desserts. While working in the "Student Chef" restaurant, students rotate through kitchen stations to gain the proficiency required to perform at a professional level in a commercial kitchen.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate effective cost control and recipe conversions in a modern food service establishment.
2. Demonstrate proper cooking methods and techniques required of the food service industry.
3. Demonstrate proper safety and sanitation skills as it applies to the food service industry.

### Major Requirements - Core

Complete 45.5 units

- CUL ART 1 Introduction to Hospitality Industry **Units: 2**
- CUL ART 3 Sanitation and Safety **Units: 2**

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- CUL ART 4 Food and Beverage Cost Technologies **Units: 2**
- CUL ART 5 Commercial Food Preparation **Units: 4**
- CUL ART 7 Baking **Units: 3**
- CUL ART 8 European Pastry Production **Units: 4**
- CUL ART 9 Restaurant Operations **Units: 9**
- CUL ART 11 Restaurant and Menu Planning **Units: 1.5**
- CUL ART 13 Purchasing and Receiving **Units: 1.5**
- CUL ART 19 Kitchen Management **Units: 9**
- CUL ART 25 Food Service Management **Units: 2**
- CUL ART 29 Beverage Management **Units: 1.5**
- CUL ART 73 Garde Manger **Units: 1**
- FCS 6 Nutrition **Units: 3**

### Minimum Major Units Required: 45.5

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 69.5

#### Baking and Pastry, AS

Upon completion of the Baking and Pastry Associate in Science degree, the student will have a solid foundation of baking principles. This knowledge will allow them to perform at a high level in any pastry establishment. They will be able to produce high quality breads or chocolate candies, and everything in between.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Describe proper purchasing methods as used in modern food service operations.
2. Demonstrate basic mixing methods as used in modern bakeshops and foodservice operations.
3. Demonstrate knowledge of baking principles.
4. Work a station in a modern bakery or foodservice bakeshop operation.

5. Convert and cost recipes as required by modern bakeshops and foodservice establishments.

#### Major Requirements - Core

Complete 26 units

- CUL ART 1 Introduction to Hospitality Industry **Units: 2**
- CUL ART 3 Sanitation and Safety **Units: 2**
- CUL ART 4 Food and Beverage Cost Technologies **Units: 2**
- CUL ART 5 Commercial Food Preparation **Units: 4**
- CUL ART 7 Baking **Units: 3**
- CUL ART 8 European Pastry Production **Units: 4**
- CUL ART 25 Food Service Management **Units: 2**
- CUL ART 71 Plated Desserts **Units: 3**
- CUL ART 72 Retail Bakery Management **Units: 4**

### Minimum Major Units Required: 26

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

#### Culinary Arts, AA

The Culinary Arts Associate in Arts degree is designed to develop a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate proper Serve Safe skills as it applies to the food service industry.
2. Demonstrate proper purchasing, menu planning, production costing, and basic marketing skills.
3. Perform basic culinary math skills as required by food service establishments.
4. Demonstrate proper cooking methods and techniques required in the food service industry.

## CERTIFICATES AND DEGREES BY AREA

### Major Requirements - Restricted Electives

Complete 18 units selected from:

- CUL ART 1 Introduction to Hospitality Industry **Units: 2**
- CUL ART 3 Sanitation and Safety **Units: 2**
- CUL ART 4 Food and Beverage Cost Technologies **Units: 2**
- CUL ART 5 Commercial Food Preparation **Units: 4**
- CUL ART 7 Baking **Units: 3**
- CUL ART 9 Restaurant Operations **Units: 9**
- CUL ART 11 Restaurant and Menu Planning **Units: 1.5**
- CUL ART 13 Purchasing and Receiving **Units: 1.5**
- CUL ART 19 Kitchen Management **Units: 9**
- CUL ART 25 Food Service Management **Units: 2**
- CUL ART 29 Beverage Management **Units: 1.5**
- CUL ART 73 Garde Manger **Units: 1**

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Baking and Pastry Certificate of Achievement

Upon completion of the Baking and Pastry certificate, the student will have a solid foundation of baking principles. This knowledge will allow them to perform at a high level in any pastry establishment. They will be able to produce high quality breads or chocolate candies, and everything in between.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate standardized safe food handling techniques.

2. Perform basic culinary math functions including recipe costing and conversions.
3. Demonstrate basic baking techniques following standardized recipes.

### Core Requirements

Complete 26 units

- CUL ART 1 Introduction to Hospitality Industry **Units: 2**
- CUL ART 3 Sanitation and Safety **Units: 2**
- CUL ART 4 Food and Beverage Cost Technologies **Units: 2**
- CUL ART 5 Commercial Food Preparation **Units: 4**
- CUL ART 7 Baking **Units: 3**
- CUL ART 8 European Pastry Production **Units: 4**
- CUL ART 25 Food Service Management **Units: 2**
- CUL ART 71 Plated Desserts **Units: 3**
- CUL ART 72 Retail Bakery Management **Units: 4**

### Minimum Units Required: 26

Complete all courses with a grade of "C" or better.

### Culinary Arts Certificate of Achievement

The Culinary Arts Certificate of Achievement is designed to train individuals in all aspects of the culinary arts field. Successful students will be prepared to work as cooks in a wide range of food service settings, such as restaurants, hotels, catering operations, and institutional kitchens. Students are instructed in the preparation of stocks, soups, sauces, side dishes, garde manger, entrees, and desserts. While working in the "Student Chef" restaurant, students rotate through kitchen and dining room stations to gain the proficiency required to perform at a professional level in a commercial kitchen.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate effective cost control and recipe conversions in a modern food service establishment.
2. Demonstrate proper and safe food handling skills as outlined by the National Restaurant Associations serv-safe program.
3. Demonstrate food delivery techniques including buffets, catered and plated food functions.
4. Demonstrate the knowledge and skill necessary to function at the level of prep cook or bakers assistant in a modern food service establishment.
5. Demonstrate the preparation of a variety of hot foods, cold foods and bakery items using standardized recipes.
6. Identify different elements of the hospitality industry and skills needed to gain employment.

## CERTIFICATES AND DEGREES BY AREA

### Core Requirements

Complete 23 units

- CUL ART 5 Commercial Food Preparation **Units: 4**
- CUL ART 9 Restaurant Operations **Units: 9**
- CUL ART 19 Kitchen Management **Units: 9**
- CUL ART 73 Garde Manger **Units: 1**

### Minimum Units Required: 23

Complete all courses with a grade of "C" or better.

### Hospitality Front of House Essentials Certificate of Achievement

Upon successful completion of the Hospitality Front of House Essentials certificate, the student demonstrates skills, knowledge and training for employment in entry level front of the house positions in the hospitality industry to include, restaurants, hotels, country clubs, resorts and catering. This course of study will provide students technical, practical and conceptual skills for many employment opportunities in the hospitality industry.

### Program Learning Outcomes

1. Upon successful completion of this program, students will be able to:
2. Demonstrate the ability to operate a Point of Sale system in a retail food service operation.
3. Demonstrate the skills to set a dining room for various styles of service to include, buffets, a la carte and for different day parts.
4. Demonstrate the skills of customer service and dining room etiquette and food safety.
5. Students will demonstrate the ability to prepare basic food dishes and an understanding of preparation techniques as well as safe service standards.

### Core Requirements

Complete 16.5 units

- BUS 83B Customer Service Techniques **Units: 0.5**
- CUL ART 1 Introduction to Hospitality Industry **Units: 2**
- CUL ART 3 Sanitation and Safety **Units: 2**
- CUL ART 9 Restaurant Operations **Units: 9**
- CUL ART 25 Food Service Management **Units: 2**
- CUL ART 73 Garde Manger **Units: 1**

### Minimum Units Required: 16.5

Complete all courses with a grade of "C" or better.

### Hospitality Front of House Service Operations Certificate of Achievement

Upon successful completion of the Hospitality Front of the House Service Operations certificate, the student demonstrates skills, knowledge and training for employment in front of the house positions to include a server in the hospitality industry at restaurants, hotels, country clubs, resorts and catered events. This course of

study will provide students technical, practical and conceptual skills including wine knowledge and service standards which may lead to enhanced employment and earning opportunities.

### Program Learning Outcomes

1. Upon successful completion of this program, students will be able to:
2. Demonstrate the ability to operate a Point of Sale system in a retail food service operation.
3. Demonstrate the skills to set a dining room for various styles of service to include, buffets, a la carte and for different day parts.
4. Demonstrate the ability to prepare basic food dishes and an understanding of preparation techniques as well as safe service standards.
5. Demonstrate the ability to describe, upsell and serve, beers and wines of various regions in a professional manner.

### Core Requirements

Complete 25.25 units

- BUS 83B Customer Service Techniques **Units: 0.5**
- CUL ART 1 Introduction to Hospitality Industry **Units: 2**
- CUL ART 3 Sanitation and Safety **Units: 2**
- CUL ART 9 Restaurant Operations **Units: 9**
- CUL ART 25 Food Service Management **Units: 2**
- CUL ART 29 Beverage Management **Units: 1.5**
- CUL ART 31 Introduction to Viticulture, Winemaking, Wines of the World **Units: 3**
- CUL ART 32 Sensory Evaluation of Wine **Units: 2**
- CUL ART 73 Garde Manger **Units: 1**
- CUL ART 91 Wine Service for the Hospitality Professional **Units: 1.5**
- CUL ART 92 Food and Wine Pairing **Units: .75**

### Minimum Units Required: 25.25

Complete all courses with a grade of "C" or better.

### Winery Event Coordinator Certificate of Achievement

Winery Event Coordinators work with a winery property by creating, selling, planning, managing, promoting and executing weddings, concerts, release/club parties, industry tastings and more. This is a very exciting and diverse career. Upon successful completion of the Winery Event Coordinator certificate, students will have experience participating in the organization and execution of an event which may include a wine tasting or catering at a winery. Coursework will provide understanding how to create profitable events through proper planning, targeted marketing and cost management. This will prepare the student for an entry level position in the Winery Events Industry.

## CERTIFICATES AND DEGREES BY AREA

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Identify events to promote sales and public relations for wineries.
2. Identify the steps needed to produce a special event for a winery including, weddings, wine release/pick up events, wine maker dinners, trade and public tastings.
3. Demonstrate the ability to prepare a post event cost analysis as well as a profit and loss statement for a particular event, enabling the event coordinator to provide data on the viability of an event.

### Core Requirements

Complete 23.5 units

- BUS 94F Customer Service Strategies **Units: 1**
- COMM 8 Small Group Communication **Units: 3**
- CUL ART 31 Introduction to Viticulture, Winemaking, Wines of the World **Units: 3**
- CUL ART 32 Sensory Evaluation of Wine **Units: 2**
- CUL ART 74 Catering **Units: 2**
- CUL ART 85 Wine Regions of California **Units: 1.5**
- CUL ART 86A Introduction to Wines of the Old World - Europe **Units: 1.5 - 2**
- CUL ART 87 Direct to Consumer Wine Sales **Units: 1.5**
- CUL ART 88 Wine Tasting Room Operations **Units: 1.5**
- CUL ART 92 Food and Wine Pairing **Units: .75**
- CUL ART 93 Winery Special Events **Units: 1.5**
- CUL ART 93V Work Experience: Culinary Arts **Units: 1-4**
- MCOM 9 Social Media Strategy **Units: 3**

### Minimum Units Required: 23.25

Complete all courses with a grade of "C" or better.

### Winery Sales and Marketing Certificate of Achievement

The Winery Sales and Marketing certificate will prepare the student to enter the wine industry workforce in Tasting Room and Retail Winery Operations and Sales. This could lead to a career in Winery Outside Sales as well as Sales Positions with Distributors. Upon successful completion of the Winery Sales and Marketing certificate, the student will demonstrate skills, knowledge, and training necessary for entry level employment or career advancement with understanding of basic Winery Tasting Room Operations and Sales techniques in upselling, cross selling and wine club enrollment. This will prepare students to work in Winery Tasting Rooms and Direct to Consumer Sales positions.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Describe the importance the role the tasting room has in the success of a winery.
2. Compare and contrast the principal wine growing regions of California and Europe.
3. Create a consumer direct sales and marketing plan.
4. Develop a sales strategy for a winery.
5. Develop a marketing plan for a wine label.
6. Create a social media marketing campaign for a winery.

### Core Requirements

Complete 20.5 units

- BUS 94F Customer Service Strategies **Units: 1**
- COMM 8 Small Group Communication **Units: 3**
- CUL ART 30A Wine Sales **Units: 1.5**
- CUL ART 30B Wine Marketing **Units: 1.5**
- CUL ART 31 Introduction to Viticulture, Winemaking, Wines of the World **Units: 3**
- CUL ART 32 Sensory Evaluation of Wine **Units: 2**
- CUL ART 85 Wine Regions of California **Units: 1.5**
- CUL ART 86A Introduction to Wines of the Old World - Europe **Units: 1.5 - 2**
- CUL ART 86B Introduction to World Wines - New World **Units: 1.5**
- CUL ART 87 Direct to Consumer Wine Sales **Units: 1.5**
- CUL ART 88 Wine Tasting Room Operations **Units: 1.5**
- CUL ART 93V Work Experience: Culinary Arts **Units: 1-4**

### Restricted Elective

Complete 3 units selected from:

- BUS 21 Marketing **Units: 3**
- BUS 22 Professional Selling **Units: 3**
- MCOM 9 Social Media Strategy **Units: 3**

### Minimum Units Required: 23.5

Complete all courses with a grade of "C" or better.

### Winery Tasting Room Associate Certificate of Achievement

Upon successful completion of the Winery Tasting Room Associate certificate, the student will demonstrate basic skills and knowledge to gain employment in a winery tasting room. Areas of focus are customer service, managing groups, direct sales techniques and use of Point of Sales systems, inventory and promotions. In addition, the wine core classes give students a thorough understanding of winemaking procedures, principles of wine tasting and analysis, computer programs used in wineries, and knowledge of wines produced locally, regionally, and internationally. This certificate may be

## CERTIFICATES AND DEGREES BY AREA

stacked to complete the Winery Event Coordinator certificate or Winery Sales and Marketing certificate.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate an understanding of wine making practices of major wine regions and the evaluation of these wines.
2. Demonstrate the skills and knowledge of basic winery tasting room operations.
3. Describe the importance of the Direct to Consumer sales generated from the tasting room and various sales techniques in relationship to the overall winery's financial goals.

### Core Requirements

Complete 19 units

- BUS 94F Customer Service Strategies **Units: 1**
- COMM 8 Small Group Communication **Units: 3**
- CUL ART 31 Introduction to Viticulture, Winemaking, Wines of the World **Units: 3**
- CUL ART 32 Sensory Evaluation of Wine **Units: 2**
- CUL ART 85 Wine Regions of California **Units: 1.5**
- CUL ART 86A Introduction to Wines of the Old World - Europe **Units: 1.5 - 2**
- CUL ART 87 Direct to Consumer Wine Sales **Units: 1.5**
- CUL ART 88 Wine Tasting Room Operations **Units: 1.5**
- CUL ART 93V Work Experience: Culinary Arts **Units: 1-4**
- GRART 1A Digital Imaging I **Units: 3**

### Minimum Units Required: 19

Complete all courses with a grade of "C" or better.

## Dance

### Dance, AA

Upon successful completion of the Dance Associate in Arts degree, the student demonstrates skills, knowledge, and training in dance performance and choreography that fosters artistic creativity within the discipline. The rigorous, disciplined, and innovative two-year curriculum is complimented by integrated studies in choreography, dance production, dance history, anthropology and theory, as well as an appreciation for the art of dance. Exploring diverse styles such as modern, classical, jazz, and world dance, the program unlocks intuitive potential for kinesthetic artistic expression, and combines it with a powerful and flexible set of dance/movement techniques and skills that can be shared with others. Additionally, the program contributes to the student's development of people management skills, collaboration strategies, and artistic aesthetic needed in continuing to develop dance potential in others. For any transfer students, academic

advising is recommended for selection of courses for specific campuses.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate a working knowledge of production techniques, including backstage, management, and costuming.
2. Demonstrate an understanding and appreciation for the principal historical, theoretical, and critical approaches to dance as a performing art.
3. Compose a dance demonstrating multicultural expression and a strong knowledge of the choreography process.
4. Demonstrate the skills required to perform at a proficient level in a variety of dance styles including ballet, jazz, modern.
5. Demonstrate a working knowledge of choreography (theoretical and empirical).

### Major Requirements - Core

Complete 19 units

- DANCE 3 Choreography **Units: 2**
- DANCE 5A Dance Production: Repertory Company I **Units: 3**
- DANCE 5B Dance Production: Repertory Company II **Units: 3**
- DANCE 6A Ballet I **Units: 2**
- DANCE 10A Modern Dance I **Units: 2**
- DANCE 10B Modern Dance II **Units: 2**
- DANCE 12A Jazz Dance I **Units: 2**
- DANCE 29 Dance Appreciation **Units: 3**

### Major Requirements - Restricted Electives

Complete 4 units selected from:

- DANCE 6B Ballet II **Units: 2**
- DANCE 12B Jazz Dance II **Units: 2**
- DANCE 30 Introduction to Dance **Units: 2**
- DANCE 35A Afro-Caribbean Dance I **Units: 3**
- DANCE 35B Afro-Caribbean Dance II **Units: 2**
- DANCE 36A Hip Hop Dance 1 **Units: 2**
- DANCE 37A West African Dance I **Units: 2**
- DANCE 37B West African Dance II **Units: 2**

### Minimum Major Units Required: 23

Complete all courses with a grade of "C" or better.

### General Education

Complete one of following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

## CERTIFICATES AND DEGREES BY AREA

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60**

### Diesel Technology

#### Diesel Equipment Technician, AS

Upon successful completion of the Diesel Equipment Technician Associate in Science degree, the student demonstrates skills, knowledge, and training for entry-level employment for the following positions: technician for truck dealerships/repair shops, technician for truck fleet shops, technician for agricultural dealerships/repair shops, technician for industrial engine dealers, and technician for marine engine repair facilities. The student demonstrates skills to receive state and national certification in two areas: Heavy Duty Diesel Engine Emissions Control by the state of California Air Resource Board (ARB); and Air Conditioning Certification by Society of Automotive Engineers (SAE).

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the necessary skills to receive state and national certification in two areas: Heavy Duty Diesel Engine Emissions Control by the state of California Air Resource Board (ARB); and Air Conditioning Certification by Society of Automotive Engineers (SAE).

#### Major Requirements - Core

Complete 39.5 units

- AGEGR 30C Industrial Equipment: Electrical and Electronic Systems **Units: 4.5**
- DIESL 91 Heavy Duty Brakes **Units: 3**
- DIESL 92 Heavy Duty Power Trains **Units: 3.5**
- DIESL 93 Heavy Duty Truck Components **Units: 3**
- DIESL 94 Diesel Engine Principles **Units: 3**
- DIESL 95 Diesel Engine Repair **Units: 4.5**
- DIESL 96 Diesel Engine Fuel and Tune-Up **Units: 3**
- DIESL 97 Diesel Air Conditioning **Units: 3**
- DIESL 98 Allison Transmission Service **Units: 2**
- DIESL 99 Computer Diagnosis and Troubleshooting **Units: 2**
- INDUS 35 Mobile Hydraulics **Units: 4**
- WELDING 10 Basic Welding for the Trades **Units: 4**

**Minimum Major Units Required: 39.5**

Complete all courses with a grade of "C" or better.

#### General Education

Complete the following general education pattern:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 66.5**

#### Heavy Equipment Technician, AS

Upon successful completion of the Heavy Equipment Technician Associate in Science degree, the student demonstrates skills, knowledge, and training or entry-level employment for the following positions: technician or heavy equipment dealerships, technician for heavy equipment repair facilities, technician for agricultural dealerships/repair shops, and technician for industrial engine dealers. The student demonstrates skills to receive state and national certification in two areas: Heavy Duty Diesel Engine Emissions Control by the State of California Air Resource Board (ARB); and Air Conditioning Certification by Society of Automotive Engineers (SAE).

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the necessary skills to receive state and national certification in two areas: Heavy Duty Diesel Engine Emissions Control by the state of California Air Resource Board (ARB); and Air Conditioning Certification by Society of Automotive Engineers (SAE).

#### Major Requirements - Core

Complete 28 units

- AGEGR 30C Industrial Equipment: Electrical and Electronic Systems **Units: 4.5**
- DIESL 94 Diesel Engine Principles **Units: 3**
- DIESL 95 Diesel Engine Repair **Units: 4.5**
- DIESL 96 Diesel Engine Fuel and Tune-Up **Units: 3**
- DIESL 97 Diesel Air Conditioning **Units: 3**
- DIESL 99 Computer Diagnosis and Troubleshooting **Units: 2**
- INDUS 35 Mobile Hydraulics **Units: 4**
- WELDING 10 Basic Welding for the Trades **Units: 4**

**Minimum Major Units Required: 28**

Complete all courses with a grade of "C" or better.

## CERTIFICATES AND DEGREES BY AREA

### General Education

Complete the following general education pattern:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60**

### Diesel Automotive Equipment Technician Certificate of Achievement

Upon successful completion of the Diesel Equipment Technician certificate, the student demonstrates skills, knowledge, and training for entry-level employment for the following positions: technician for truck dealerships/repair shops, technician for truck fleet shops, technician for agricultural dealerships/repair shops, technician for industrial engine dealers, and technician for marine engine repair facilities. The student demonstrates skills to receive state and national certification in two areas: Heavy Duty Diesel Engine Emissions Control by the state of California Air Resource Board (ARB); and Air Conditioning Certification by Society of Automotive Engineers (SAE).

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the necessary skills to receive state and national certification in two areas: Bureau of Automotive Repair by the state of California (BAR) and Air Conditioning Certification by Society of Automotive Engineers (SAE).

#### Core Requirements

Complete 42.5 units

- AGEGR 30C Industrial Equipment: Electrical and Electronic Systems **Units: 4.5**
- DIESL 91 Heavy Duty Brakes **Units: 3**
- DIESL 92 Heavy Duty Power Trains **Units: 3.5**
- DIESL 93 Heavy Duty Truck Components **Units: 3**
- DIESL 94 Diesel Engine Principles **Units: 3**
- DIESL 95 Diesel Engine Repair **Units: 4.5**
- DIESL 96 Diesel Engine Fuel and Tune-Up **Units: 3**
- DIESL 97 Diesel Air Conditioning **Units: 3**
- DIESL 98 Allison Transmission Service **Units: 2**
- DIESL 99 Computer Diagnosis and Troubleshooting **Units: 2**
- INDUS 35 Mobile Hydraulics **Units: 4**
- INDUS 94 Industrial Mathematics and Algebra **Units: 3 or higher level mathematics course**
- WELDING 10 Basic Welding for the Trades **Units: 4**

### Restricted Electives

Complete 12 units selected from:

- AUTOMECH 92 Brakes, Suspension, and Steering **Units: 6**
- AUTOMECH 95 Air Conditioning, Heating, and Electrical Systems A7 **Units: 6**
- AUTOMECH 96B Ignition Systems and Electronic Engine Controls **Units: 6**
- AUTOMECH 97 Automatic Transmissions and Transaxles **Units: 6**

**Minimum Units Required: 54.5**

Complete all courses with a grade of "C" or better.

### Diesel Bus Technician Certificate of Achievement

Upon successful completion of the Diesel Bus Technician certificate, the student demonstrates skills, knowledge, and training for entry-level employment for the following positions: technician for bus dealerships/repair shops, technician for bus fleet shops, technician for truck dealerships/repair shops, technician for agricultural dealerships/repair shops, technician for industrial engine dealers, and technician for marine engine repair facilities. The student demonstrates skills to receive state and national certification in two areas: Heavy Duty Diesel Engine Emissions Control by the State of California Air Resource Board (ARB); and Air Conditioning Certification by Society of Automotive Engineers (SAE).

#### Program Learning Outcomes

1. Upon successful completion of the Diesel Bus Technician Certificate, the program students will demonstrate the necessary skills to receive state and national certification in two areas: Heavy Duty Diesel Engine Emissions Control by the state of California Air Resource Board (ARB); and Air Conditioning Certification by Society of Automotive Engineers (SAE).

#### Core Requirements

Complete 32.5 units

- AGEGR 30C Industrial Equipment: Electrical and Electronic Systems **Units: 4.5**
- AGEGR 88 Alternative Fuels, Electric, and Hybrid Diesel for Heavy Equipment Vehicle Technology **Units: 3**
- DIESL 89 Introduction to ADA Wheelchair Ramp and Lifts **Units: 1**
- DIESL 91 Heavy Duty Brakes **Units: 3**
- DIESL 94 Diesel Engine Principles **Units: 3**
- DIESL 97 Diesel Air Conditioning **Units: 3**
- DIESL 98 Allison Transmission Service **Units: 2**
- DIESL 99 Computer Diagnosis and Troubleshooting **Units: 2**
- INDUS 35 Mobile Hydraulics **Units: 4**
- INDUS 94 Industrial Mathematics and Algebra **Units: 3 or higher level mathematics course**

## CERTIFICATES AND DEGREES BY AREA

- WELDING 10 Basic Welding for the Trades  
**Units: 4**

### Minimum Units Required: 32.5

Complete all courses with a grade of "C" or better.

### Diesel Equipment Technician Certificate of Achievement

Upon successful completion of the Diesel Equipment Technician certificate, the student demonstrates skills, knowledge, and training for entry-level employment for the following positions: technician for truck dealerships/repair shops, technician for truck fleet shops, technician for agricultural dealerships/repair shops, technician for industrial engine dealers, and technician for marine engine repair facilities. The student demonstrates skills to receive state and national certification in two areas: Heavy Duty Diesel Engine Emissions Control by the state of California Air Resource Board (ARB); and Air Conditioning Certification by Society of Automotive Engineers (SAE).

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the necessary skills to receive state and national certification in two areas: Heavy Duty Diesel Engine Emissions Control by the state of California Air Resource Board (ARB); and Air Conditioning Certification by Society of Automotive Engineers (SAE).

#### Core Requirements

Complete 42.5 units

- AGEGR 30C Industrial Equipment: Electrical and Electronic Systems **Units: 4.5**
- DIESL 91 Heavy Duty Brakes **Units: 3**
- DIESL 92 Heavy Duty Power Trains **Units: 3.5**
- DIESL 93 Heavy Duty Truck Components **Units: 3**
- DIESL 94 Diesel Engine Principles **Units: 3**
- DIESL 95 Diesel Engine Repair **Units: 4.5**
- DIESL 96 Diesel Engine Fuel and Tune-Up **Units: 3**
- DIESL 97 Diesel Air Conditioning **Units: 3**
- DIESL 98 Allison Transmission Service **Units: 2**
- DIESL 99 Computer Diagnosis and Troubleshooting **Units: 2**
- INDUS 35 Mobile Hydraulics **Units: 4**
- INDUS 94 Industrial Mathematics and Algebra **Units: 3 or higher level mathematics course**
- WELDING 10 Basic Welding for the Trades **Units: 4**

### Minimum Units Required: 42.5

Complete all courses with a grade of "C" or better.

### Heavy Equipment Mechanic Certificate of Achievement

Upon successful completion of the Heavy Equipment Mechanic certificate, the student demonstrates skills, knowledge, and training for entry-level employment for the following positions: technician for heavy equipment dealerships, technician for heavy equipment repair facilities, technician for agricultural dealerships/repair shops, and technician for industrial engine dealers. The student demonstrates skills to receive state and national certification in two areas: Heavy Duty Diesel Engine Emissions Control by the state of California Air Resource Board (ARB); and Air Conditioning Certification by Society of Automotive Engineers (SAE).

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the necessary skills to receive state and national certification in two areas: Heavy Duty Diesel Engine Emissions Control by the state of California Air Resource Board (ARB); and Air Conditioning Certification by Society of Automotive Engineers (SAE).

#### Core Requirements

Complete 24 units

- AGEGR 30C Industrial Equipment: Electrical and Electronic Systems **Units: 4.5**
- DIESL 94 Diesel Engine Principles **Units: 3**
- DIESL 95 Diesel Engine Repair **Units: 4.5**
- DIESL 96 Diesel Engine Fuel and Tune-Up **Units: 3**
- DIESL 97 Diesel Air Conditioning **Units: 3**
- DIESL 99 Computer Diagnosis and Troubleshooting **Units: 2**
- INDUS 35 Mobile Hydraulics **Units: 4**

### Minimum Units Required: 24

Complete all courses with a grade of "C" or better.

### Heavy Equipment Technician Certificate of Achievement

Upon successful completion of the Heavy Equipment Technician certificate, the student demonstrates skills, knowledge, and training for entry-level employment for the following positions: technician for heavy equipment dealerships, technician for heavy equipment repair facilities, technician for agricultural dealerships/repair shops, and technician for industrial engine dealers. The student demonstrates skills to receive state and national certification in two areas: Heavy Duty Diesel Engine Emissions Control by the state of California Air Resource Board (ARB); and Air Conditioning Certification by Society of Automotive Engineers (SAE).

## CERTIFICATES AND DEGREES BY AREA

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the necessary skills to receive state and national certification in two areas: Heavy Duty Diesel Engine Emissions Control by the state of California Air Resource Board (ARB); and Air Conditioning Certification by Society of Automotive Engineers (SAE).

### Core Requirements

Complete 28 units

- AGEGR 30C Industrial Equipment: Electrical and Electronic Systems **Units: 4.5**
- DIESL 94 Diesel Engine Principles **Units: 3**
- DIESL 95 Diesel Engine Repair **Units: 4.5**
- DIESL 96 Diesel Engine Fuel and Tune-Up **Units: 3**
- DIESL 97 Diesel Air Conditioning **Units: 3**
- DIESL 99 Computer Diagnosis and Troubleshooting **Units: 2**
- INDUS 35 Mobile Hydraulics **Units: 4**
- WELDING 10 Basic Welding for the Trades **Units: 4**

### Restricted Electives

Complete 3 units selected from:

- INDUS 94 Industrial Mathematics and Algebra **Units: 3 or higher level mathematics course**

### Minimum Units Required: 31

Complete all courses with a grade of "C" or better.

## Digital Media

### Digital Media, AA

The Associate in Arts degree in Digital Media is designed to provide students with knowledge in content creation, editing, and delivery to work in an evolving media landscape. Focus starts on building entry-level job skills in audio and video capture, non-linear editing, and delivery. Coursework includes practical, hands-on knowledge in media live and on-demand media environments. Students earning a degree in Digital Media will explore concepts related to effective content production across various platforms, including broadcast, online, and social media. Students will work in a manner mirroring industry standards, with focus on immediate professional application.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Understand the role of content selection as it relates to the spread of media, specifically the choice of one medium over another.
2. Understand the role and value of broadcast media (terrestrial, online, social media) in relation

to the dissemination of information and the public's right to know.

3. Demonstrate knowledge of media environments, specifically the techniques and trade requirements necessary to produce and distribute content in a physical space and on location.
4. Demonstrate basic skills in non-linear digital media editing.
5. Demonstrate technical skill competency in live and on-demand media environments.

### Major Requirements - Core

Complete 12 units

- DMEDIA 2 Writing for Digital Media **Units: 3**
- DMEDIA 24 Digital Media Editing **Units: 3**
- DMEDIA 25A Digital Media Content **Units: 3**
- DMEDIA 31 Media Performance **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 3 units selected from:

- DMEDIA 1 Introduction to Broadcasting/Electronic Media **Units: 3**
- MCOM 1 Introduction to Mass Communication **Units: 3**

Area B

Complete 3 units selected from:

- DMEDIA 11 Audio Production **Units: 3**
- DMEDIA 21 Video Production **Units: 3**

Area C

Complete 6 additional units selected from:

- DMEDIA 11 Audio Production **Units: 3**
- DMEDIA 21 Video Production **Units: 3**
- DMEDIA 25B Digital Media Production **Units: 3**
- MCOM 8 Social Media Content **Units: 3**
- MCOM 9 Social Media Strategy **Units: 3**
- MCOM 10 Multimedia Storytelling **Units: 3**
- PHOTO 3A Introduction to Digital Photography **Units: 3**

### Minimum Major Units Required: 24

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and

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lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60**

### Digital Media with Emphasis in Audio Certificate of Achievement

The Certificate of Achievement in Digital Media with emphasis in Audio is designed to provide students with knowledge in content creation, editing, and delivery to work in the evolving audio production landscape. Focus starts on building entry-level job skills in audio and video capture, non-linear editing, and delivery. Coursework includes practical, hands-on knowledge in media live and on-demand media environments. Students earning a certificate in Digital Media with emphasis in Audio will explore concepts related to effective content production across various platforms, including broadcast, online, and social media. Students will work in a manner mirroring industry standard, with focus on immediate professional application.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to produce audio content to broadcast and technical standards for a desired target audience.
2. Demonstrate proficiency of recording studio techniques.
3. Demonstrate the ability to understand and apply terminology related to an audio production environment.
4. Demonstrate an ability to critically evaluate multiple elements of sound and analyze audio files.
5. Upon successful completion of this certificate a student will demonstrate an increased awareness of the skills required for employment in the current digital media landscape.
6. Understand the role and value of broadcast media (terrestrial, online, social media) in relation to the dissemination of information and the public's right to know.

#### Core Requirements

Complete 12 units

- DMEDIA 2 Writing for Digital Media **Units: 3**
- DMEDIA 11 Audio Production **Units: 3**
- DMEDIA 24 Digital Media Editing **Units: 3**
- DMEDIA 31 Media Performance **Units: 3**

#### Restricted Electives

Area A

Complete 3 units selected from:

- DMEDIA 1 Introduction to Broadcasting/Electronic Media **Units: 3**
- MCOM 1 Introduction to Mass Communication **Units: 3**

Area B

Complete 6 units selected from:

- DMEDIA 21 Video Production **Units: 3**
- DMEDIA 25A Digital Media Content **Units: 3**
- DMEDIA 25B Digital Media Production **Units: 3**
- MCOM 8 Social Media Content **Units: 3**
- MCOM 9 Social Media Strategy **Units: 3**

**Minimum Units Required: 21**

Complete all courses with a grade of "C" or better.

### Digital Media with Emphasis in Video Certificate of Achievement

The Certificate of Achievement in Digital Media with emphasis in Video is designed to provide students with knowledge in content creation, editing, and delivery to work in the evolving video production landscape. Focus starts on building entry-level job skills in audio and video capture, non-linear editing, and delivery. Coursework includes practical, hands-on knowledge in media live and on-demand media environments. Students earning a certificate in Digital Media with emphasis in Video will explore concepts related to effective content production across various platforms, including broadcast, online, and social media. Students will work in a manner mirroring industry standards, with a focus on immediate professional application.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to produce video content to broadcast and technical standards for a desired target audience.
2. Demonstrate an ability to critically evaluate multiple elements of video production.
3. Demonstrate the ability to use visual storytelling fundamentals such as shot composition, lens and camera selection, settings and placement.
4. Demonstrate an increased awareness of the skills required for employment in the current digital media landscape.
5. Understand the role and value of broadcast media (terrestrial, online, social media) in relation to the dissemination of information and the public's right to know.

#### Core Requirements

Complete 12 units

- DMEDIA 2 Writing for Digital Media **Units: 3**
- DMEDIA 21 Video Production **Units: 3**
- DMEDIA 24 Digital Media Editing **Units: 3**
- DMEDIA 31 Media Performance **Units: 3**

#### Restricted Electives

Area A

Complete 3 units selected from:

- DMEDIA 1 Introduction to Broadcasting/Electronic Media **Units: 3**

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- MCOM 1 Introduction to Mass Communication **Units: 3**

### Area B

Complete 6 units selected from:

- DMEDIA 11 Audio Production **Units: 3**
- DMEDIA 25A Digital Media Content **Units: 3**
- DMEDIA 25B Digital Media Production **Units: 3**

### Area C

Complete 3 units selected from:

- GRART 8 Typography I **Units: 3**
- MCOM 7 Photojournalism **Units: 3**
- MCOM 9 Social Media Strategy **Units: 3**
- MCOM 10 Multimedia Storytelling **Units: 3**
- PHOTO 3A Introduction to Digital Photography **Units: 3**

### Minimum Units Required: 24

Complete all courses with a grade of "C" or better.

### Digital Media Content Entrepreneurship Certificate of Completion

Upon successful completion of the noncredit Digital Media Content Entrepreneurship Certificate of Completion, the student will demonstrate introductory level skills, knowledge, and training in content development related to digital media content development and delivery. Students will learn the basics of creating audio and video content to engage in dynamic storytelling, with emphasis on narrative. Strategy will be considered in how to present content for best positioning in a media-saturated marketplace, through content creation and media performance. Ethical considerations and crisis communication will be explored. Students will work in a manner mirroring industry standard, with focus on immediate professional application and portfolio building through experiential practice.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of choosing appropriate mediums to deliver content.
2. Demonstrate understanding of visual content as a vehicle to deliver messaging to mass media audiences.
3. Demonstrate entry-level understanding, development, and execution of audio and video to create professional content.
4. Demonstrate an understanding of strategic communication to develop narratives related to a client.

### Core Requirements

Complete the courses listed below:

- DMEDIA 111 Audio Production **Units: 0**
- DMEDIA 121 Video Production **Units: 0**
- DMEDIA 131 Media Performance **Units: 0**

- BUS 194E Marketing and Advertising Strategies for Small Business **Units: 0**

### Minimum Units Required: 0

Complete all courses with a grade of "P".

**Total Contact Hours: 396**

## Early Child Education

### Early Childhood Education, AS-T

The Associate in Science for Transfer degree in Early Childhood Education prepares students to work with children from infancy through middle childhood, to teach in child care and development programs, to participate in the broader society as child advocates, and to transfer into the California State University. The Early Childhood Education program educates and trains students in developmentally appropriate practice guided by principles established by the National Association for the Education of Young Children. Through a broad range of theoretical perspectives, students examine child growth and development, gain experience in observation and use of appropriate guidance techniques, learn to plan and implement curriculum, and demonstrate knowledge of state licensing regulations for child care and development programs. Program curriculum is aligned with the Child Development Permit Program Matrix and with the Curriculum Alignment Project.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate understanding of early childhood principles and practices required for employment including maintaining health and safety standards, creating appropriate early learning environments, complying with state licensing regulations and guiding children's behavior with respectful and supportive method.
2. Utilize various observational techniques to assess children's learning and development and use the results to plan developmentally, culturally and linguistically appropriate curriculum.
3. Describe and distinguish major theories of child development to support in planning appropriate early experiences for children.

### Major Requirements - Core

Complete 25 units

- ECE 21 Child and Adolescent Development **Units: 3**
- ECE 25 Observation and Assessment **Units: 3**
- ECE 26 Child, Family, and Community **Units: 3**
- ECE 27 Culture and Diversity in Early Childhood Education **Units: 3**
- ECE 28 Child Health, Safety, and Nutrition **Units: 3**
- ECE 31A Principles and Practices of Teaching Young Children **Units: 3**

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- ECE 31B Introduction to ECE Curriculum  
**Units: 3**
- ECE 32A Early Childhood Education Practicum-Field Experience **Units: 4**

### Minimum Major Units Required: 25

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree. Students must double-count ECE 21 and ECE 26 to remain within the prescribed 60-unit limit.

### Minimum Degree Units Required: 60

## Early Childhood Education, AA

The Early Childhood Education Associate in Arts degree educates and trains students in developmentally appropriate practice guided by principles established by the National Association for the Education of Young Children to work with children from infancy through middle childhood. Through a broad range of theoretical perspectives, students examine child growth and development, gain experience in observation and use of appropriate guidance techniques, learn to plan and implement curriculum, and demonstrate knowledge of state licensing regulations for child care and development programs. The Early Childhood Education degree program prepares students to teach in child care and development programs, to transfer to four-year institutions, and to participate in the broader society as child advocates. Program curriculum is aligned with the Child Development Permit Matrix and with the Curriculum Alignment Project. Students planning to transfer to a California State University to complete a Bachelors Degree in ECE should complete the Early Childhood Education AS-T at Delta College.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Describe and distinguish major theories of child development to support in planning appropriate early experiences for children.
2. Utilize various observational techniques to assess children's learning and development and use the results to plan developmentally, culturally and linguistically appropriate curriculum.

3. Demonstrate understanding of early childhood principles and practices required for employment including maintaining health and safety standards, creating appropriate early learning environments, complying with state licensing regulations and guiding children's behavior with respectful and supportive method.

#### Major Requirements - Core

Complete 25 units

- ECE 21 Child and Adolescent Development  
**Units: 3**
- ECE 25 Observation and Assessment **Units: 3**
- ECE 26 Child, Family, and Community **Units: 3**
- ECE 27 Culture and Diversity in Early Childhood Education **Units: 3**
- ECE 28 Child Health, Safety, and Nutrition  
**Units: 3**
- ECE 31A Principles and Practices of Teaching Young Children **Units: 3**
- ECE 31B Introduction to ECE Curriculum  
**Units: 3**
- ECE 32A Early Childhood Education Practicum-Field Experience **Units: 4**

### Minimum Major Units Required: 25

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## Early Childhood Education Associate Teacher Certificate of Achievement

Upon successful completion of the Early Childhood Education Associate Teacher certificate, the student demonstrates knowledge and skills to be a teacher in a private child care program and an associate teacher in a publicly funded child care program in accordance with the Child Development Permit Matrix regulated by the California Commission on Teacher Credentialing. Skills demonstrated and practiced by a student include developmentally appropriate lesson planning for preschool

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children, planning nutritional menus, demonstrated use of appropriate guidance techniques, and exhibited understanding of optimal room and yard arrangement with a focus on health and safety.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Construct developmentally appropriate lesson plans for young children across at least three domains of development.
2. Demonstrate an understanding of developmentally appropriate guidance techniques for use in preschool classrooms.

### Core Requirements

Complete 13 units

- ECE 21 Child and Adolescent Development **Units: 3**
- ECE 26 Child, Family, and Community **Units: 3**
- ECE 28 Child Health, Safety, and Nutrition **Units: 3**
- ECE 31A Principles and Practices of Teaching Young Children **Units: 3**
- ECE 63 Child Discipline **Units: 1**

### Minimum Units Required: 13

Complete all courses with a grade of "C" or better.

## Early Childhood Education Master Teacher Certificate of Achievement

Upon successful completion of the Early Childhood Education Master Teacher certificate, the student demonstrates knowledge, training, and skills to be a master teacher in a privately or publicly funded child care center in accordance with the Child Development Permit Matrix issued by the California Commission on Teacher Credentialing. Skills demonstrated and practiced by the student include the ability to provide instruction to young children utilizing knowledge of a specialized area of early childhood education, supervise adults in the classroom, and coordinate curriculum and staff development.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Evaluate effectiveness of early childhood curriculum, classrooms, teaching strategies and how teachers involve families in their children's development and learning to improve teaching practices for all children by completing written observations in group care settings.
2. Individualize mentoring and supervision strategies based on the roles and developmental stages of adult learners by completing a written assignment.
3. Plan, implement and evaluate a series of developmentally, linguistically and culturally appropriate activities for young children in their practicum settings.

4. Use a variety of personnel, program, and environmental assessment tools including either the Early Childhood, Infant/Toddler, School Age or Family Child Care Environmental Rating Scale to inform leadership decisions in a written assignment.

### Core Requirements

Complete 32 units

- ECE 21 Child and Adolescent Development **Units: 3**
- ECE 24 The Developing Brain and the ECE Classroom **Units: 3**
- ECE 25 Observation and Assessment **Units: 3**
- ECE 26 Child, Family, and Community **Units: 3**
- ECE 27 Culture and Diversity in Early Childhood Education **Units: 3**
- ECE 28 Child Health, Safety, and Nutrition **Units: 3**
- ECE 31A Principles and Practices of Teaching Young Children **Units: 3**
- ECE 31B Introduction to ECE Curriculum **Units: 3**
- ECE 32A Early Childhood Education Practicum-Field Experience **Units: 4**
- ECE 35 Adult Supervision and Mentoring in Early Care and Education **Units: 3**
- ECE 63 Child Discipline **Units: 1**

### Restricted Electives

Area A

Complete 3 units selected from:

- COMM C1000 Introduction to Public Speaking **Units: 3**
- ENGL C1000 Academic Reading and Writing **Units: 3**
- ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

Area B

Complete 3 units selected from:

- Associate Degree General Education Area 1B - Mathematics **Units: 3**
- or
- Associate Degree General Education Area 2 - Natural Sciences **Units: 3**

Area C

Complete 3 units selected from:

- Associate Degree General Education Area 3 - Humanities **Units: 3**

Area D

Complete 3 units selected from:

- Associate Degree General Education Area 6 - Awareness of Self and Society **Units: 3**

Area E - Special Needs, Infant Development, or Preschool

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Complete 6 units selected from any ONE of the following specializations:

### Special Needs

- ECE 34 Children with Special Needs **Units: 3**
- SL 1 Elementary American Sign Language I **Units: 4**
- COMM DIS 1A Introduction to Communication Disorders **Units: 3**  
*and*
- COMM DIS 1B Speech, Language and Hearing Development **Units: 3**

### Infant Development

- ECE 33 Infant and Toddler Development **Units: 3**

### Preschool

- ECE 29 ECE Creative Expression and the Arts **Units: 3**
- ECE 30 Early Childhood Experiences: Language Arts **Units: 3**
- ECE 32B Advanced ECE Practicum **Units: 4.5**
- ECE 40 Constructive Math and Science in Early Childhood Education **Units: 3**

### Minimum Units Required: 50

Complete all courses with a grade of "C" or better.

## Early Childhood Education Site Supervisor Certificate of Achievement

Upon successful completion of the Early Childhood Education Site Supervisor certificate, the student demonstrates knowledge, training and skills to supervise single site child development programs, provide instruction to children, and serve as the coordinator of curriculum and staff development in both public and private child care centers in accordance with the Child Development Permit Matrix issued by the California Commission on Teacher Credentialing. Skills demonstrated and practiced by the student include development of program policies, personnel handbooks and budgets, techniques in adult supervision, and demonstrated understanding of licensing regulations overseeing both public and private child care programs.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of strategic and fiscal planning through budget construction by developing a budget and budget notes for a hypothetical early childhood program.
2. Implement ongoing professional development plans based on evaluation of staff and administrator needs by completing a written assignment.
3. Evaluate components of quality programs, facilities and operations including applying Title 22 and Title 5 Code of Regulations by completing examination questions.

4. Individualize mentoring and supervision strategies based on the roles and developmental stages of adult learners by completing a written assignment.
5. Describe major developmental milestones for children from conception through adolescence in the areas of physical, psychosocial, cognitive, and language development through a written assignment.

### Core Requirements

Complete 38.5 units

- ECE 21 Child and Adolescent Development **Units: 3**
- ECE 25 Observation and Assessment **Units: 3**
- ECE 26 Child, Family, and Community **Units: 3**
- ECE 27 Culture and Diversity in Early Childhood Education **Units: 3**
- ECE 28 Child Health, Safety, and Nutrition **Units: 3**
- ECE 31A Principles and Practices of Teaching Young Children **Units: 3**
- ECE 31B Introduction to ECE Curriculum **Units: 3**
- ECE 32A Early Childhood Education Practicum-Field Experience **Units: 4**
- ECE 32B Advanced ECE Practicum **Units: 4.5**
- ECE 35 Adult Supervision and Mentoring in Early Care and Education **Units: 3**
- ECE 37 Administration I: Programs in Early Childhood Education **Units: 3**
- ECE 38 Administration II: Personnel and Leadership in Early Childhood Education **Units: 3**

### Restricted Electives

#### Area A

Complete 3 units selected from:

- COMM C1000 Introduction to Public Speaking **Units: 3**
- ENGL C1000 Academic Reading and Writing **Units: 3**
- ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

#### Area B

Complete 3 units selected from:

- Associate Degree General Education Area 1B - Mathematics or Area 2 - Natural Sciences **Units: 3**

#### Area C

Complete 3 units selected from:

- Associate Degree General Education Area 3 - Humanities **Units: 3**

#### Area D

Complete 3 units selected from:

- Associate Degree General Education Area 6 - Awareness of Self and Society **Units: 3**

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### Electives

Complete elective units to meet the minimum 60 unit requirement for this certificate.

### Minimum Units Required: 60

Complete all courses with a grade of "C" or better.

### Early Childhood Education Teacher Certificate of Achievement

Upon successful completion of the Early Childhood Education Teacher certificate, the student demonstrates the knowledge, training, and skills of a teacher in a private child care center or a publicly funded child care center in accordance with the Child Development Permit Matrix issued by the California Commission on Teacher Credentialing. Skills demonstrated and practiced by a student include developmentally appropriate lesson planning and implementation for preschool children in subject areas including science, mathematics, creative and language arts; utilization of positive guidance techniques and child assessments; planning safe and developmentally appropriate environments for children; and applying child development theory to all facets of practice with young children.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Describe and design a developmentally appropriate room and yard environments.
2. Plan and implement developmentally and culturally appropriate curriculum for young children.
3. Apply positive guidance techniques in guiding children's behavior.
4. Apply child development theory and principles in working with young children.

### Core Requirements

Complete 26 units

- ECE 21 Child and Adolescent Development **Units: 3**
- ECE 25 Observation and Assessment **Units: 3**
- ECE 26 Child, Family, and Community **Units: 3**
- ECE 27 Culture and Diversity in Early Childhood Education **Units: 3**
- ECE 28 Child Health, Safety, and Nutrition **Units: 3**
- ECE 31A Principles and Practices of Teaching Young Children **Units: 3**
- ECE 31B Introduction to ECE Curriculum **Units: 3**
- ECE 32A Early Childhood Education Practicum-Field Experience **Units: 4**
- ECE 63 Child Discipline **Units: 1**

### Restricted Electives

#### Area A

Complete 6 units selected from:

- ECE 29 ECE Creative Expression and the Arts **Units: 3**
- ECE 30 Early Childhood Experiences: Language Arts **Units: 3**
- ECE 40 Constructive Math and Science in Early Childhood Education **Units: 3**

#### Area B

Complete 3 units not already used, selected from:

- ECE 24 The Developing Brain and the ECE Classroom **Units: 3**
- ECE 29 ECE Creative Expression and the Arts **Units: 3**
- ECE 30 Early Childhood Experiences: Language Arts **Units: 3**
- ECE 34 Children with Special Needs **Units: 3**
- ECE 40 Constructive Math and Science in Early Childhood Education **Units: 3**
- ECE 72 Play and Learning **Units: 1**
- ECE 73 Preschool Art **Units: 1**

#### Area C

Complete 16 additional units from each of the following San Joaquin Delta College Associate Degree General Education Pattern areas:

Area 1A - English Composition, Area 1B - Mathematics or Area 2 - Natural Sciences, and Area 3 - Humanities

### Minimum Units Required: 51

Complete all courses with a grade of "C" or better.

### ECE Administration and Adult Supervision Add On Certificate of Achievement

Upon successful completion of the Early Childhood Education Administration and Adult Supervision Add On certificate, the student demonstrates knowledge, training and skills to supervise single site child development programs, provide instruction to children, and serve as the coordinator of curriculum and staff development in both public and private child care centers in accordance with the Child Development Permit Matrix issued by the California Commission on Teacher Credentialing. Skills demonstrated and practiced by the student include development of program policies, personnel handbooks and budgets, techniques in adult supervision, and demonstrated understanding of licensing regulations overseeing both public and private child care programs. This certificate is for those individuals already working in the ECE field and wish to just add the needed units in administration and adult supervision for Site Supervisor permit placement.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of strategic and fiscal planning through budget construction.
2. Develop ongoing professional development plans based on evaluation of staff and administrator needs.

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3. Evaluate components of quality programs, facilities and operations including applying Title 22 and Title 5 Code of Regulations.
4. Individualize mentoring and supervision strategies based on the roles and developmental stages of adult learners.

### Core Requirements

Complete 9 units

- ECE 35 Adult Supervision and Mentoring in Early Care and Education **Units: 3**
- ECE 37 Administration I: Programs in Early Childhood Education **Units: 3**
- ECE 38 Administration II: Personnel and Leadership in Early Childhood Education **Units: 3**

### Minimum Units Required: 9

Complete all courses with a grade of "C" or better.

### Paraprofessional Preparation Certificate of Achievement

Upon successful completion of the Paraprofessional Preparation certificate, the student demonstrates the knowledge, training, and skills of a paraprofessional in a private or public K-8 school in accordance with the Elementary and Secondary Education Act. Skills demonstrated and practiced by a student include developmentally appropriate lesson planning and implementation for K-8 grade within all academic areas; utilization of positive guidance techniques; planning effective tutoring sessions within math and reading; utilization of effective techniques to reach students with English as a second language; and applying child development theory to all facets of practice with K-8 grade students.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate their understanding of fundamental reading, writing, mathematical skills.
2. Apply child development theory and principles in working with students.
3. Plan and implement developmentally and culturally appropriate support curriculum for students in all academic areas.
4. Apply positive guidance techniques in guiding students' behavior.
5. Demonstrate the ability to successfully pass the required Paraprofessional Exam required for licensing within the state of California for individuals wanting to be a paraprofessional within the public K-12 educational system without having at least an Associate Degree.

### Core Requirements

Complete 24 units

- ECE 21 Child and Adolescent Development **Units: 3**

- ECE 63 Child Discipline **Units: 1**
- EDUC 10 Introduction to Education **Units: 3**
- EDUC 12 Reading Tutoring Techniques **Units: 3**
- EDUC 13 Math Tutoring Techniques **Units: 3**
- EDUC 14 Bilingualism in the Classroom **Units: 3**
- EDUC 70 Paraprofessional Exam Preparation **Units: 2**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**
- MATH 17A Concepts and Structures of Mathematics **Units: 3** or MATH 17B Concepts and Structures of Mathematics **Units: 3**

### Minimum Units Required: 24

Complete all courses with a grade of "C" or better.

## Education

### Elementary Teacher Education, AA-T

The Associate in Arts for Transfer degree in Elementary Teacher Education is designed to provide students a seamless pathway for transfer to a California State University with a major in Liberal Studies. The student will meet introductory content area subject matter requirements for teaching at the elementary school level. Through a broad liberal studies curriculum, students are introduced to elementary school teaching, examine child growth and development, and select courses in the arts and humanities, social and behavioral sciences, natural sciences, literature and communication.

### Program Learning Outcomes

Upon successfully completing this program, students will be able to:

1. Demonstrate best practices in the development and implementation of lesson plans and assessments, which are built on state standards.
2. Develop a professional teaching portfolio to include papers on classroom management, classroom environment, and classroom procedures based on observations and one-on-one tutoring completed in local elementary classrooms.
3. Demonstrate the ability to integrate and utilize knowledge from multiple disciplines.
4. Understand and respond to the diversity of the children they will serve.

### Major Requirements - Core

Complete 46 units

- BIOL 10 Survey of Biology **Units: 4**
- CHEM 3A Introduction to Chemistry **Units: 4**
- COMM C1000 Introduction to Public Speaking **Units: 3**
- ECE 21 Child and Adolescent Development **Units: 3**
- EDUC 10 Introduction to Education **Units: 3**

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- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**
- ENGL 1B College Composition and Literature **Units: 3**
- GEOG 10 World Regional Geography **Units: 3**
- GEOL 5A Earth Science with Laboratory **Units: 4**
- HIST 2A World History to 1600 **Units: 3**
- HIST 17A History of the United States **Units: 3**
- MATH 17A Concepts and Structures of Mathematics **Units: 3**
- PHYS 10 Introduction to Physics **Units: 4**
- POLS C1000 American Government and Politics **Units: 3**

### Major Requirements - Restricted Electives

#### Area A

Complete 3 units selected from:

- COMM 5 Argumentation and Debate **Units: 3**
- ENGL C1001 Critical Thinking and Writing **Units: 3**
- PHILO 30 Introductory Logic **Units: 3**

#### Area B

Complete 3 units selected from:

- DRAMA 10 Introduction to Theatre **Units: 3**
- MUSIC 4 Exploring Music **Units: 3**

### Minimum Major Units Required: 52

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## Electrical Technology

### Electrical Technology - Apprenticeship, AS

Upon successful completion of the Electrical Technology: Apprenticeship Associate in Science degree, the student demonstrates the skills and knowledge of a Journey-level electrician. The student applies electrical skills and knowledge to construct, repair and troubleshoot electrical

circuits, motors, motor controllers and electrical systems. The training and skills acquired prepares the apprentice to be employed in the electrical field as a Journey-level electrical worker for residential, commercial and industrial electrical construction projects.

NOTE: Please refer to the current catalog for information about Special Admissions Programs.

### Program Learning Outcomes

Upon successfully completing this program, students will be able to:

1. Apply electrical skills and knowledge to construct, repair and troubleshoot electrical circuits, motors, motor controllers and electrical systems at a journey-level.
2. Demonstrate knowledge for safe entry into electrical Journey-level work in the electrical field of the IBEW's (International Brotherhood of Electrical Workers) and NECA's (National Electrical Contractors Association) Joint Apprenticeship Training Committee.
3. Demonstrate the knowledge and skills to be effective team members possessing excellent oral and written communication skills, and assuming technical and managerial leadership roles throughout their career.

### Major Requirements - Core

Complete 40 units

- A-ELE 70A Electrical Apprenticeship I **Units: 4**
- A-ELE 70B Electrical Apprenticeship II **Units: 4**
- A-ELE 71A Electrical Apprenticeship III **Units: 4**
- A-ELE 71B Electrical Apprenticeship IV **Units: 4**
- A-ELE 72A Electrical Apprenticeship V **Units: 4**
- A-ELE 72B Electrical Apprenticeship VI **Units: 4**
- A-ELE 73A Electrical Apprenticeship VII **Units: 4**
- A-ELE 73B Electrical Apprenticeship VIII **Units: 4**
- A-ELE 74A Electrical Apprenticeship IX **Units: 4**
- A-ELE 74B Electrical Apprenticeship X **Units: 4**

### Minimum Major Units Required: 40

Complete all courses with a grade of "C" or better.

### General Education

Complete the following general education pattern:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 67

## CERTIFICATES AND DEGREES BY AREA

### Electrical Technology, AS

Upon successful completion of the Electrical Technology Associate in Science degree, the student demonstrates knowledge and skills of the electrical industry in the capacity of a beginning electrician, preferably as an indentured electrical apprentice where the students compare, contrast, and apply basic electrical theory and other major portions of the electrical field. Training and skills demonstrated by the student in this program are crucial to safe entry into electrical apprenticeships and trainee positions in the electrical field. This program aligns with the required courses by the State of California in order to complete the General Electrician Trainee coursework as a career pathway to becoming a Journeyman General Electrician. The general education coursework will build on additional skills and knowledge such as written and oral communication that may lead to positions as an electrical contractor or manager in the electrical industry.

#### Program Learning Outcomes

Upon successfully completing this program, students will be able to:

1. Demonstrate the skills, knowledge, and training for employment as an entry-level Electrician or Electrical Technician. The student demonstrates the understanding of electrical theory, AC/DC circuits, safety, code requirements, and components that make up the electrical distribution system.
2. Demonstrate the knowledge of safety practices required for installations and repairs of electrical wiring.
3. Demonstrate the knowledge and skills to be effective team members possessing excellent oral and written communication skills, and assuming technical and managerial leadership roles throughout their career.

#### Major Requirements - Core

Complete 40 units

- ELEC 30 Fundamentals of Electricity **Units: 5**
- ELEC 31 Electrical Wiring Methods **Units: 7**
- ELEC 32 Electrical Transformers and Motors **Units: 5**
- ELEC 34 Motor Controls **Units: 5**
- ELEC 37 Introduction to Programmable Logic Controllers **Units: 4**
- ELEC 41 Fire Alarm Systems **Units: 2**
- ELEC 42 Low Voltage Systems **Units: 2**
- ELEC 70 Electrical Codes I **Units: 3**
- ELEC 73 Construction Safety - OSHA **Units: 2**
- ELEC 77 Industrial Wiring Methods **Units: 5**

#### Minimum Major Units Required: 40

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 67**

### Electrical Technology - Apprenticeship Certificate of Achievement

Upon successful completion of the Electrical Technology - Apprenticeship Option certificate, the student demonstrates the skills and knowledge of a Journey level electrician. The student applies electrical skills and knowledge to construct, repair, and troubleshoot electrical circuits, motors, motor controllers, and electrical systems. The training and skills acquired prepares the apprentice to be employed in the electrical field as a Journey level electrical worker for residential, commercial, and industrial electrical construction projects.

NOTE: Please refer to the current catalog for information about Special Admissions Programs.

#### Program Learning Outcomes

Upon successfully completing this program, students will be able to:

1. Demonstrate the knowledge for safe entry into electrical apprenticeships in the electrical field for programs like the IBEW's (International Brotherhood of Electrical Workers) Joint Apprenticeship Training Committee, WECA (Western Electrical Contractors Association) electrical apprenticeship, ABC program (another indentured electrical apprenticeship program).
2. Apply the electrical skills and knowledge to construct, repair, and troubleshoot electrical circuits, motors, motor controllers, and electrical systems at a journeyman level.

#### Core Requirements

Complete 40 units

- A-ELE 70A Electrical Apprenticeship I **Units: 4**
- A-ELE 70B Electrical Apprenticeship II **Units: 4**
- A-ELE 71A Electrical Apprenticeship III **Units: 4**
- A-ELE 71B Electrical Apprenticeship IV **Units: 4**
- A-ELE 72A Electrical Apprenticeship V **Units: 4**
- A-ELE 72B Electrical Apprenticeship VI **Units: 4**
- A-ELE 73A Electrical Apprenticeship VII **Units: 4**
- A-ELE 73B Electrical Apprenticeship VIII **Units: 4**
- A-ELE 74A Electrical Apprenticeship IX **Units: 4**
- A-ELE 74B Electrical Apprenticeship X **Units: 4**

## CERTIFICATES AND DEGREES BY AREA

### Minimum Units Required: 40

Complete all courses with a grade of "C" or better.

### Electrical Technology - Electrical Maintenance Certificate of Achievement

Upon successful completion of the Electrical Technology - Electrical Maintenance certificate, the student demonstrates knowledge and skills of the electrical industry in the capacity of a beginning maintenance electrician, preferably factory or industrial training program, where the students compare, contrast, and apply basic electrical theory and other major portions of the electrical maintenance field. This coursework will help the student enter a career pathway to becoming a Journeyman Maintenance in a factory for the basic maintenance of electrical systems.

#### Program Learning Outcomes

Upon successfully completing this program, students will be able to:

1. Demonstrate skills in the electrical industry in the capacity of a beginning maintenance electrician, preferably with a employer sponsored on-the-job training program where the students compare, contrast, and apply basic electrical theory and other major portions of the maintenance of electrical systems.
2. Demonstrate knowledge for safe entry into electrical on-the-job training programs with an employer for maintenance of electrical systems.

#### Core Requirements

Complete 20 units

- ELEC 30 Fundamentals of Electricity **Units: 5**
- ELEC 32 Electrical Transformers and Motors **Units: 5**
- ELEC 34 Motor Controls **Units: 5**
- ELEC 77 Industrial Wiring Methods **Units: 5**

#### Restricted Electives

Area A

Complete 4 units selected from:

- INDUS 45 Industrial Technology **Units: 5**
- PHYS 10 Introduction to Physics **Units: 4**

Area B

Complete 3 units selected from:

- INDUS 94 Industrial Mathematics and Algebra **Units: 3**  
Associate Degree Math Requirement **Credits / Units: 4**

Area C

Complete 3 units selected from:

- ELEC 37 Introduction to Programmable Logic Controllers **Units: 4**
- INDUS 31 Industrial Hydraulics **Units: 4**
- MACH 16 Machine Tool Process **Units: 3**
- WELDING 10 Basic Welding for the Trades **Units: 4**

### Minimum Units Required: 30

Complete all courses with a grade of "C" or better.

### Electrical Technology - General Electrician Trainee Certificate of Achievement

Upon successful completion of the Electrical Technology - General Electrician Certificate of Achievement program, the student demonstrates knowledge and skills of the electrical industry in the capacity of a beginning electrician, preferably as an indentured electrical apprentice where the students compare, contrast, and apply basic electrical theory and other major portions of the electrical field. Training and skills demonstrated by the student in this program are crucial to safe entry into electrical apprenticeships and trainee positions in the electrical field. This program aligns with the required courses by the State of California in order to complete the General Electrician Trainee coursework as a career pathway to becoming a Journeyman General Electrician in residential, commercial, and industrial construction and maintenance of electrical systems.

#### Program Learning Outcomes

Upon successfully completing this program, students will be able to:

1. Demonstrate the skills, knowledge, and training for employment as an entry-level Electrician or Electrical Technician. The student demonstrates the understanding of electrical theory, AC/DC circuits, safety, code requirements, and components that make up the electrical distribution system.
2. Demonstrate the knowledge of safety practices required for installations and repairs of electrical wiring.

#### Core Requirements

Complete 44 units

- ELEC 30 Fundamentals of Electricity **Units: 5**
- ELEC 31 Electrical Wiring Methods **Units: 7**
- ELEC 32 Electrical Transformers and Motors **Units: 5**
- ELEC 34 Motor Controls **Units: 5**
- ELEC 37 Introduction to Programmable Logic Controllers **Units: 4**
- ELEC 41 Fire Alarm Systems **Units: 2**
- ELEC 42 Low Voltage Systems **Units: 2**
- ELEC 70 Electrical Codes I **Units: 3**
- ELEC 73 Construction Safety - OSHA **Units: 2**
- ELEC 77 Industrial Wiring Methods **Units: 5**  
Associate Degree Math Requirement **Credits / Units: 4**

### Minimum Units Required: 44

Complete all courses with a grade of "C" or better.

## CERTIFICATES AND DEGREES BY AREA

### Solar Photovoltaic Installation Technician Certificate of Achievement

Upon successful completion of the Certificate of Achievement in Solar Photovoltaic Installation Technician, the student will demonstrate skills, knowledge, and training necessary for entry-level employment in the field of Solar Photovoltaic installation. Specific job titles include solar installer, solar electrical installer, solar installer trainee and other emerging careers in this field. The courses included in the certificate also qualify students to take the North American Board of Certified Energy Practitioners (NABCEP) PV Entry Level Certificate of Knowledge Exam.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Perform a site survey in order to determine the optimal location for a small size solar photovoltaic system.
2. Assess safety hazards in respect to fire, shock, and falls when installing or repairing photovoltaic systems.
3. Demonstrate the ability to troubleshoot basic solar photovoltaic circuits and determine potential problems with wiring and equipment malfunctions to industry standards.
4. Perform testing procedures with industry tools and test equipment necessary for solar photovoltaic module installations.
5. Identify and calculate different sizes of wire according to the National Electrical Code and industry standards.
6. Describe the components in a complete grid tie photovoltaic system.

#### Core Requirements

Complete 24 units

- ELEC 30 Fundamentals of Electricity **Units: 5**
- ELEC 31 Electrical Wiring Methods **Units: 7**
- ELEC 52 Advanced Solar Photovoltaic Systems Installation **Units: 4**
- ELEC 73 Construction Safety - OSHA **Units: 2**
- ELEC 80 Fundamentals of Solar Photovoltaic Systems **Units: 3**
- ELEC 82 NABCEP Entry Level Test Review **Units: 3**

#### Minimum Units Required: 24

Complete all courses with a grade of "C" or better.

## Electron Microscopy

### Electron Microscopy - Biological, AS

The Associate in Science degree in Electron Microscopy - Biological is designed to offer students a broad base in the natural sciences, emphasizing microscopy and laboratory techniques. The Associate in Science degree may be completed in conjunction with the Electron Microscopy - Biological Certificate. Students who complete this degree

will be prepared to work as Biological Electron Microscopy Technicians, Histotechnologists, Staff Research Associates, and Structural Biology Lab Technicians.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Understand the applications of electron microscopy to all areas of biology.
2. Work safely in any science lab.
3. Work cooperatively in groups.
4. Prepare biological tissues for both TEM and SEM examination.
5. Use both light and electron microscopes to record images of cells.
6. Identify the ultrastructure of biological material.
7. Use standard lab tools used in electron microscopy.

#### Major Requirements - Core

Complete 31.5 units

- E M 70 Introduction to Microscopy **Units: 2**
- E M 71 Light Microscopy and Photography **Units: 3**
- E M 72B Ultramicrotomy for Electron Microscopy **Units: 4.5**
- E M 74 Scanning Electron Microscopy **Units: 3**
- E M 75B Biological Ultrastructure **Units: 2**
- E M 82B Advanced Techniques in Biological Electron Microscopy **Units: 3**
- E M 84B Introduction to Fluorescence and Immunohistochemistry **Units: 2**
- E M 87A Electron Microscopy Basic Equipment Maintenance **Units: 4**
- E M 88 Current Microscopies **Units: 3**
- E M 89 Digital Imaging for Microscopy **Units: 2**
- E M 90 Advanced Projects in Electron Microscopy **Units: 4**

#### Major Requirements - Restricted Electives

Area A - Biology

Complete 4 units selected from:

- BIOL 1 Cell and Molecular Biology **Units: 4**
- BIOL 10 Survey of Biology **Units: 4**

Area B - Chemistry

Complete 4 units selected from:

- CHEM 1A General Chemistry **Units: 5**
- CHEM 3A Introduction to Chemistry **Units: 4**

Area C - Mathematics

Complete 4 units selected from:

- MATH 1 Calculus I **Units: 5**
- MATH 13 Survey of Calculus **Units: 4**
- MATH 38B Precalculus II **Units: 4**
- MATH 39 Precalculus **Units: 6**

## CERTIFICATES AND DEGREES BY AREA

### Area D - Physics

Complete 4 units selected from:

- PHYS 2A General Physics **Units: 4**
- PHYS 10 Introduction to Physics **Units: 4**

### Minimum Major Units Required: 47.5

Complete all courses with a grade of "C" or better.

### General Education

Complete the following general education pattern:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 68.5

### Electron Microscopy - Materials, AS

Upon successful completion of the Electron Microscopy - Materials Associate in Science degree, the student will demonstrate a basic understanding of the theory, operation, and maintenance of the electron microscope. Skills in microscopy related instrumentation and associated sample preparation techniques will serve as a foundation for employment or additional study.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate an understanding of the relationship between electrons and ions in creating images with specialized high performance microscopes.
2. Analyze and evaluate energy dispersive spectra of unknown sample composition for proper identification.
3. Demonstrate the application of sample preparation techniques to routine and unique specimens.

### Major Requirements - Core

Complete 46 units

- CHEM 3A Introduction to Chemistry **Units: 4**
- E M 70 Introduction to Microscopy **Units: 2**
- E M 71 Light Microscopy and Photography **Units: 3**
- E M 73M Introduction to Materials Electron Microscopy **Units: 4**
- E M 74 Scanning Electron Microscopy **Units: 3**
- E M 83M Physical Electron Microscopy Laboratory **Units: 3**
- E M 85M Analytical Scanning Electron Microscopy **Units: 3**
- E M 86M Focused Ion Beam Applications **Units: 4**

- E M 87A Electron Microscopy Basic Equipment Maintenance **Units: 4**
- E M 88 Current Microscopies **Units: 3**
- E M 89 Digital Imaging for Microscopy **Units: 2**
- E M 90 Advanced Projects in Electron Microscopy **Units: 4**
- E TECH 20 Materials and Measurements **Units: 3**
- MATH 38B Precalculus II **Units: 4**
- PHYS 10 Introduction to Physics **Units: 4**

### Minimum Major Units Required: 47

Complete all courses with a grade of "C" or better.

### General Education

Complete the following general education pattern:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 68

### Electron Microscopy - Biological Certificate of Achievement

Upon successful completion of the Electron Microscopy: Biological Certificate of Achievement, the student demonstrates skills, knowledge and training for employment as a microscopist to work with research scientists in industry, research laboratories, medical schools, hospitals, colleges and universities, as well as being qualified for technical sales and marketing for Electron Microscopy. The student demonstrates his or her ability to: use theory in hands-on work, specimen preparation, electron/ion/light/scanned probe microscope operation, digital imaging, routine maintenance of equipment, experimental design, and data interpretation. The student demonstrates skills, knowledge, and training in organization, team work, oral and written communication, problem solving, and critical thinking. The student demonstrates a variety of skills for employment in disciplines including the following: metallurgy, ceramics, computer and electronics industries, biology, environmental areas, biotechnology, geology, forensics, food and cosmetic industries, and medicine.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Apply safe laboratory practices.
2. Communicate ideas to other scientists.
3. Operate equipment needed to become an electron microscopist.
4. Work together in teams to solve problems.

## CERTIFICATES AND DEGREES BY AREA

5. Understand the appropriate role of science in their lives.
6. Understand the structure of cells and tissues.

### Core Requirements

Complete 47.5 units

- BIOL 1 Cell and Molecular Biology **Units: 4**
- CHEM 3A Introduction to Chemistry **Units: 4**
- E M 70 Introduction to Microscopy **Units: 2**
- E M 71 Light Microscopy and Photography **Units: 3**
- E M 72B Ultramicrotomy for Electron Microscopy **Units: 4.5**
- E M 74 Scanning Electron Microscopy **Units: 3**
- E M 75B Biological Ultrastructure **Units: 2**
- E M 82B Advanced Techniques in Biological Electron Microscopy **Units: 3**
- E M 84B Introduction to Fluorescence and Immunohistochemistry **Units: 2**
- E M 87A Electron Microscopy Basic Equipment Maintenance **Units: 4**
- E M 88 Current Microscopies **Units: 3**
- E M 89 Digital Imaging for Microscopy **Units: 2**
- E M 90 Advanced Projects in Electron Microscopy **Units: 4**
- MATH 38B Precalculus II **Units: 4**
- PHYS 10 Introduction to Physics **Units: 4**

NOTE: Equivalent courses may be accepted by transfer from other colleges but at least 12 units of the certificate must be completed at San Joaquin Delta College. Students who desire transfer credit for courses taken elsewhere must have the courses approved before taking them for certificate credit.

It is recommended that during the summer, required core courses (Non-EM) be taken.

### Minimum Units Required: 47.5

Complete all courses with a grade of "C" or better.

### Electron Microscopy - Crystalline Material Certificate of Achievement

Upon successful completion of the Electron Microscopy: Crystalline Material Certificate of Achievement, the student demonstrates skills, knowledge and training for employment as a microscopist to work with research scientists in industry, research laboratories, medical schools, hospitals, colleges and universities, as well as being qualified for technical sales and marketing for Electron Microscopy. The student demonstrates his or her ability to: use theory in hands-on work, specimen preparation, electron/ion/light/scanned probe microscope operation, digital imaging, routine maintenance of equipment, experimental design, and data interpretation. The student demonstrates skills, knowledge, and training in organization, team work, oral and written communication, problem solving, and critical thinking. The student demonstrates a variety of skills for employment in

disciplines including the following: metallurgy, ceramics, computer and electronics industries, biology, environmental areas, biotechnology, geology, forensics, food and cosmetic industries, and medicine.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to utilize safety protocols when working in a scientific laboratory.
2. Demonstrate the ability to handle, recognize and understand the microstructure of microscopic materials.
3. Demonstrate the ability to evaluate and trouble shoot microscope instrumentation and related equipment.
4. Demonstrate organizational, written, and oral skills for the communication of scientific principles.
5. Demonstrate competency in the operation of microscopes that image microstructure of a wide range of materials.
6. Demonstrate the ability to prepare samples for the light, atomic and electron microscopes and ion beam instrumentation.

### Core Requirements

Complete 45 units

Equivalent courses may be accepted by transfer from other colleges but at least 12 units of the certificate must be completed at San Joaquin Delta College. Students who desire transfer credit for courses taken elsewhere must have the courses approved before taking them for certificate credit.

- CHEM 3A Introduction to Chemistry **Units: 4**
- E M 70 Introduction to Microscopy **Units: 2**
- E M 71 Light Microscopy and Photography **Units: 3**
- E M 73M Introduction to Materials Electron Microscopy **Units: 4**
- E M 74 Scanning Electron Microscopy **Units: 3**
- E M 83M Physical Electron Microscopy Laboratory **Units: 3**
- E M 85M Analytical Scanning Electron Microscopy **Units: 3**
- E M 87A Electron Microscopy Basic Equipment Maintenance **Units: 4**
- E M 88 Current Microscopies **Units: 3**
- E M 89 Digital Imaging for Microscopy **Units: 2**
- E M 90 Advanced Projects in Electron Microscopy **Units: 4**
- E TECH 20 Materials and Measurements **Units: 3**
- MATH 38B Precalculus II **Units: 4**
- PHYS 10 Introduction to Physics **Units: 4**

NOTE: Equivalent courses may be accepted by transfer from other colleges but at least 12 units of the certificate must be completed at San Joaquin Delta College. Students who desire transfer credit for courses taken

elsewhere must have the courses approved before taking them for certificate credit.

It is recommended that during the summer, required core courses (Non-EM) be taken.

### **Minimum Units Required: 45**

Complete all courses with a grade of "C" or better.

## **Electronics Technology**

### **Electronics Technology Certificate of Achievement**

The Electronics Technology Program provides students with theoretical background and practical experience in meeting the technical requirements of electronics and industrial technology. The course sequence is designed to meet the skill and training needs of employers and to prepare students for technical employment. Upon completion of courses, the student will be prepared to work in Consumer Electronics, Industrial Electronics, and with specialization in Digital Troubleshooting and Maintenance Automation and repair.

#### **Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Demonstrate skills to operate electronic test equipment, diagnose malfunctions and electronic circuits, isolate and replace defective components, and disassemble and reassemble complex electronic chassis.

#### **Core Requirements**

Complete 21 units

- ELECT 11 AC and DC Network Analysis **Units: 4**
- ELECT 12 Solid State Devices **Units: 4**
- ELECT 13A Digital Logic, Circuits, and Systems **Units: 4**
- ELECT 14B Advanced Electronics Troubleshooting **Units: 2.5**
- ELECT 14C IT Essentials (A+) **Units: 2.5**  
Associate Degree Math Requirement **Credits / Units: 4**

### **Minimum Units Required: 21**

Complete all courses with a grade of "C" or better.

### **Basic Electronics Technician Certificate of Completion**

Upon successful completion of the Basic Electronics Technician Certificate of Completion, students will demonstrate skills, knowledge, and training for entry-level employment or career advancement in fields where analyzing and testing electronic circuit devices is standard practice. The course sequence is designed to meet the skills and training needs of employers and to prepare students for technical employment.

#### **Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Apply industry standard equipment to test basic electronics circuits.
2. Identify electronic components and understand their purpose in an electronic circuit.

#### **Core Requirements**

Complete the courses listed below:

- ELECT 111 AC and DC Network Analysis **Units: 0**
- ELECT 112 Solid State Devices **Units: 0**
- ELECT 113A Digital Logic, Circuits, and Systems **Units: 0**

### **Minimum Units Required: 0**

Complete all courses with a grade of "P".

**Total Contact Hours: 324**

### **Control Systems Technician Certificate of Completion**

Upon successful completion of the Control Systems Technician Certificate of Completion, students will be able to demonstrate knowledge of robotics and automation concepts used in the manufacturing and production industry. Topics include industrial robots, electrical and mechanical sensors, switches, PLCs, Human Machine Interface (HMI) and programming for robotic and automated systems. Students will learn the basic concepts for operating, maintaining, troubleshooting, and programming robotics and other automated systems. The certificate will prepare students to serve as technicians working with engineers on automated systems used in industry.

#### **Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Create a Ladder Logic Diagram to control a Programmable Logic Controller.
2. Operate and program industrial robots.
3. Operate, maintain, and troubleshoot mechatronics systems

#### **Core Requirements**

Complete the courses listed below:

- ELECT 111 AC and DC Network Analysis **Units: 0**
- ELECT 112 Solid State Devices **Units: 0**
- ELECT 113A Digital Logic, Circuits, and Systems **Units: 0**
- ELECT 114B Advanced Electronics Troubleshooting **Units: 0**
- ELECT 117 Robotics / Automation Introduction **Units: 0**
- ELECT 118 Robotics / Automation /Mechatronics Systems **Units: 0**

## CERTIFICATES AND DEGREES BY AREA

- E TECH 147 Introduction to Industrial Control Systems **Units: 0**

### Minimum Units Required: 0

Complete all courses with a grade of "P".

**Total Contact Hours: 756**

## Engineering

### Engineering - Civil, AS

Upon successful completion of the Associate in Science degree in Engineering - Civil, the student demonstrates skills, knowledge, and ability for transfer to a Bachelor's degree program at a public, private, or out-of-state college or university. The student has completed the mathematical, scientific, and basic engineering theory courses required for upper division study in a Civil Engineering specific major. Delta College's program meets the lower division requirements established by the California Engineering Liaison Committee. General Education requirements vary by transfer campus. Students should consult with a counselor for guidance in selecting a specific general education pattern.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of the theory and application of mathematics, chemistry and physics as applied in the engineering field.
2. Demonstrate knowledge of the theory and application of the engineering design process.

### Major Requirements - Core

Complete 43 units

- CHEM 1A General Chemistry **Units: 5**
- ENGR 1 Introduction to Engineering and Technology **Units: 3**
- ENGR 2 Engineering Graphics **Units: 3**
- ENGR 4 Engineering Materials **Units: 4**
- ENGR 8 Statics **Units: 3**
- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**
- MATH 3 Multivariable Calculus **Units: 4**
- MATH 4 Differential Equations **Units: 4**
- PHYSC 4A Principles of Physics: Mechanics **Units: 4**
- PHYSC 4C Principles of Physics: Electricity and Magnetism **Units: 4**

### Major Requirements - Restricted Electives

Area A

Complete 3 units selected from:

- ENGR 6 Engineering Circuit Analysis **Units: 4**
- ENGR 10 Surveying **Units: 3**

Area B

Complete 3 units selected from:

- CSP 31A C++ Programming I **Units: 3**
- ENGR 29 Engineering Applications for Digital Computations **Units: 3**

### Minimum Major Units Required: 49

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 70

### Engineering - Computer, AS

Upon successful completion of the Associate in Science degree in Engineering - Computer, the student demonstrates skills, knowledge, and ability for transfer to a Bachelor's degree program at a public, private, or out-of-state college or university. The student has completed the mathematical, scientific, and basic engineering theory courses required for upper division study in a Computer Engineering specific major. Delta College's program meets the lower division requirements established by the California Engineering Liaison Committee. General Education requirements vary by transfer campus. Students should consult with a counselor for guidance in selecting a specific general education pattern.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of the theory and application of mathematics, chemistry and physics as applied in the engineering field.
2. Demonstrate knowledge of the theory and application of the engineering design process.

### Major Requirements - Core

Complete 41 units

- CS 55 Discrete Structures for Computer Science **Units: 3**
- CSP 31A C++ Programming I **Units: 3**
- CSP 31B C++ Programming II **Units: 3**

## CERTIFICATES AND DEGREES BY AREA

- ENGR 1 Introduction to Engineering and Technology **Units: 3**
- ENGR 6 Engineering Circuit Analysis **Units: 4**
- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**
- MATH 3 Multivariable Calculus **Units: 4**
- MATH 4 Differential Equations **Units: 4**
- PHYSC 4A Principles of Physics: Mechanics **Units: 4**
- PHYSC 4C Principles of Physics: Electricity and Magnetism **Units: 4**

### Minimum Major Units Required: 41

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Engineering - Electrical, AS

Upon successful completion of the Associate in Science degree in Engineering - Electrical, the student demonstrates skills, knowledge, and ability for transfer to a Bachelor's Degree program at a public, private, or out-of-state college or university. The student has completed the mathematical, scientific, and basic engineering theory courses required for upper division study in an Electrical Engineering specific major. Delta College's program meets the lower division requirements established by the California Engineering Liaison Committee. General Education requirements vary by transfer campus. Students should consult with a counselor for guidance in selecting a specific general education pattern.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of the theory and application of mathematics, chemistry and physics as applied in the engineering field.
2. Demonstrate knowledge of the theory and application of the engineering design process.

### Major Requirements - Core

Complete 40 units

- CHEM 1A General Chemistry **Units: 5**
- CSP 31A C++ Programming I **Units: 3**
- ENGR 1 Introduction to Engineering and Technology **Units: 3**
- ENGR 6 Engineering Circuit Analysis **Units: 4**
- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**
- MATH 3 Multivariable Calculus **Units: 4**
- MATH 4 Differential Equations **Units: 4**
- PHYSC 4A Principles of Physics: Mechanics **Units: 4**
- PHYSC 4C Principles of Physics: Electricity and Magnetism **Units: 4**

### Minimum Major Units Required: 40

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Engineering - Mechanical, Aeronautical, and Manufacturing, AS

Upon successful completion of the Associate in Science degree in Engineering - Mechanical, Aeronautical, and Manufacturing, the student demonstrates skills, knowledge, and ability for transfer to a Bachelor's degree program at a public, private, or out-of-state college or university. The student has completed the mathematical, scientific, and basic engineering theory courses required for upper division study in a Mechanical, Aerospace, or Manufacturing Engineering specific major. Delta College's program meets the lower division requirements established by the California Engineering Liaison Committee. General Education requirements vary by transfer campus. Students should consult with a counselor for guidance in selecting a specific general education pattern.

### Program Learning Outcomes

## CERTIFICATES AND DEGREES BY AREA

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of the theory and application of mathematics, chemistry and physics as applied in the engineering field.
2. Demonstrate knowledge of the theory and application of the engineering design process.

### Major Requirements - Core

Complete 47 units

- CHEM 1A General Chemistry **Units: 5**
- ENGR 1 Introduction to Engineering and Technology **Units: 3**
- ENGR 2 Engineering Graphics **Units: 3**
- ENGR 4 Engineering Materials **Units: 4**
- ENGR 6 Engineering Circuit Analysis **Units: 4**
- ENGR 8 Statics **Units: 3**
- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**
- MATH 3 Multivariable Calculus **Units: 4**
- MATH 4 Differential Equations **Units: 4**
- PHYS 4A Principles of Physics: Mechanics **Units: 4**
- PHYS 4C Principles of Physics: Electricity and Magnetism **Units: 4**

### Major Requirements - Restricted Electives

Complete 3 units selected from:

- CSP 31A C++ Programming I **Units: 3**
- ENGR 29 Engineering Applications for Digital Computations **Units: 3**

### Minimum Major Units Required: 50

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 71

## Engineering Fundamentals Certificate of Achievement

Upon successful completion of the Engineering certificate, the student demonstrates skills, knowledge, and ability for transfer to a Bachelor's degree program at a college or university, and the mathematical, scientific, and basic engineering theory courses required for upper division study in an engineering specific major. Delta College's program meets the lower division requirements established by the California Engineering Liaison Committee.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of the theory and application of mathematics, physics, and chemistry as applied in the engineering field.
2. Demonstrate knowledge of the theory and application of the engineering design process, and is able to communicate the process in graphic and written format.

### Core Requirements

Complete 53 units

- CHEM 1A General Chemistry **Units: 5**
- CSP 31A C++ Programming I **Units: 3**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**
- ENGR 1 Introduction to Engineering and Technology **Units: 3**
- ENGR 2 Engineering Graphics **Units: 3**
- ENGR 4 Engineering Materials **Units: 4**
- ENGR 6 Engineering Circuit Analysis **Units: 4**
- ENGR 8 Statics **Units: 3**
- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**
- MATH 3 Multivariable Calculus **Units: 4**
- MATH 4 Differential Equations **Units: 4**
- PHYS 4A Principles of Physics: Mechanics **Units: 4**
- PHYS 4C Principles of Physics: Electricity and Magnetism **Units: 4**

NOTE: The courses listed above fulfill the recommended core of the Engineering Articulation Guideline for engineering transfer students as formulated by the statewide Engineering Liaison Council.

Completion of the above sequence of classes will meet the requirements necessary for admission to most four-year institutions.

### Minimum Units Required: 53

Complete all courses with a grade of "C" or better.

## Engineering Technology

### Engineering Computer Aided Drafting, AS

The Major in Engineering Computer-Aided Drafting is designed to develop a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate a basic understanding of the relationship between manufacturing technology, engineering measurements, and engineering design.
2. Create industry standard mechanical and civil drawings of basic complexity.

#### Major Requirements - Core

Complete 15 units

- ENGR 1 Introduction to Engineering and Technology **Units: 3**
- E TECH 11 Fundamentals of Machine Drafting **Units: 3**
- E TECH 12 Computer-Aided Drafting **Units: 3**
- E TECH 22 Three Dimensional Modeling **Units: 3**
- E TECH 31 Fundamentals of Civil Drafting **Units: 3**

#### Major Requirements - Restricted Electives

Complete 3 units selected from:

- E TECH 80 Applied Surveying **Units: 3**
- MACH 16 Machine Tool Process **Units: 3**

#### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

#### Minimum Degree Units Required: 60

### Engineering Technology, AS

Upon successful completion of the Associate in Science degree in Engineering Technology, the student demonstrates skills for employment as an engineering aid, computer-aided drafter, designer, surveyor, engineering technician, or other technical support position in the field of engineering. The student will have a basic understanding of the relationship between manufacturing technology, engineering materials and components, engineering measurements, engineering analysis, and engineering design. The student will be able to create industry-standard mechanical and civil drawings of advanced complexity.

#### Program Learning Outcomes

Upon successfully completing this program, students will be able to:

1. Demonstrate a basic understanding of the relationship between manufacturing technology, engineering materials and components, engineering measurements, engineering analysis, and engineering design.
2. Create industry standard mechanical and civil drawings of advanced complexity.

#### Major Requirements - Core

Complete 34 units

- E TECH 11 Fundamentals of Machine Drafting **Units: 3**
- E TECH 12 Computer-Aided Drafting **Units: 3**
- E TECH 20 Materials and Measurements **Units: 3**
- E TECH 22 Three Dimensional Modeling **Units: 3**
- E TECH 31 Fundamentals of Civil Drafting **Units: 3**
- E TECH 34 Advanced Machine Drafting and GDT **Units: 3**
- E TECH 41 Civil Drafting: Site Design and Improvement **Units: 4**
- E TECH 46 Mechanical and Electrical Systems **Units: 3**
- E TECH 47 Introduction to Industrial Control Systems **Units: 3**
- E TECH 78 Applied Statics & Strength of Materials **Units: 3**
- ENGR 1 Introduction to Engineering and Technology **Units: 3**

#### Major Requirements - Restricted Electives

Complete 3 units selected from:

- E TECH 80 Applied Surveying **Units: 3**
- MACH 16 Machine Tool Process **Units: 3**

#### Minimum Major Units Required: 37

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

## CERTIFICATES AND DEGREES BY AREA

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 64**

### Engineering Computer-Aided Drafter Certificate of Achievement

Upon successful completion of the Computer-Aided Drafter certificate, the student demonstrates the skills, knowledge, and training for employment as an entry-level computer-aided drafting (CAD) technician. The student demonstrates his/her ability to construct drawings using typical two-dimensional and three-dimensional CAD hardware and software.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Create industry standard mechanical and civil drawings of basic complexity.
2. Demonstrate a basic understanding of the relationship between manufacturing technology, engineering measurements, and engineering design.

#### Core Requirements

Complete 15 units

- E TECH 11 Fundamentals of Machine Drafting **Units: 3**
- E TECH 12 Computer-Aided Drafting **Units: 3**
- E TECH 22 Three Dimensional Modeling **Units: 3**
- E TECH 31 Fundamentals of Civil Drafting **Units: 3**
- ENGR 1 Introduction to Engineering and Technology **Units: 3**

#### Restricted Electives

Complete 3 units selected from:

- E TECH 80 Applied Surveying **Units: 3**
- MACH 16 Machine Tool Process **Units: 3**

#### Minimum Units Required: 18

Complete all courses with a grade of "C" or better.

### Engineering Technology Certificate of Achievement

Upon successful completion of the Engineering Technology certificate, the student demonstrates skills, knowledge, and training for employment as an engineering aide; computer aided drafter, designer, engineering technician, or other technical support position in the field of engineering. The student demonstrates his or her ability to document designs with appropriate technical drawings, perform and record engineering tests, and develop solutions for common engineering problems.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate an understanding of the relationships between manufacturing technology, engineering materials and components, engineering measurements, engineering analysis, and engineering design.
2. Create industry standard mechanical and civil drawings of advanced complexity.

#### Core Requirements

Complete 34 units

- E TECH 11 Fundamentals of Machine Drafting **Units: 3**
- E TECH 12 Computer-Aided Drafting **Units: 3**
- E TECH 20 Materials and Measurements **Units: 3**
- E TECH 22 Three Dimensional Modeling **Units: 3**
- E TECH 31 Fundamentals of Civil Drafting **Units: 3**
- E TECH 34 Advanced Machine Drafting and GDT **Units: 3**
- E TECH 41 Civil Drafting: Site Design and Improvement **Units: 4**
- E TECH 46 Mechanical and Electrical Systems **Units: 3**
- E TECH 47 Introduction to Industrial Control Systems **Units: 3**
- E TECH 78 Applied Statics & Strength of Materials **Units: 3**
- ENGR 1 Introduction to Engineering and Technology **Units: 3**

#### Restricted Electives

Complete 3 units selected from:

- E TECH 80 Applied Surveying **Units: 3**
- MACH 16 Machine Tool Process **Units: 3**

#### Minimum Units Required: 37

Complete all courses with a grade of "C" or better.

## English

### English, AA-T

This program is designed for students planning to transfer to a California State University (CSU) or a University of California (UC) with a major in English. Do you dream of having dinner with Sylvia Plath and James Baldwin? Of having drinks with Ernest Hemingway and Sandra Cisneros? Or of going dancing with Kendrick Lamar, Maya Angelou, and William Shakespeare? Do you smile with pleasure at hearing a well-turned phrase in a favorite song? Do you love to play with language, to bend it using irony or humor? Do you love to read — to become other people, to see the world through more sensitive, more articulate and shrewder eyes? Consider English! English offers courses that sharpen your skills in close reading, critical thinking, and clear communication, while sparking creativity to solve real-world problems. English prepares you for a fulfilling career in teaching, writing, journalism, advertising, broadcasting, screenwriting, business, government, law, and more.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge and understanding of cultural diversity and historical perspectives through the study of the written word in order to foster an appreciation of the world in which we live.
2. Demonstrate knowledge and understanding of major literary movements, themes, genres, as well as a sensitivity to and a grasp of the nuances of language.
3. Become self-reliant, evaluative readers and writers, able to think critically and communicate effectively in academic and workplace settings.
4. Effectively and ethically apply genre specific rhetorical strategies based on purpose and audience in their speech, print, and electronic media.
5. Collaborate civilly, respectfully, and thoughtfully with other students, their instructors, and communities of diverse cultures and backgrounds to develop skills for success in college and the workplace.
6. Develop intellectual curiosity through the integration of reading and writing. Students will find, evaluate, and appropriately cite information; think, reason, and reflect critically; generate questions and explore ideas; and analyze and synthesize information.

### Major Requirements - Core

Complete 6 units

- ENGL 1B College Composition and Literature **Units: 3**
- ENGL C1001 Critical Thinking and Writing **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 6 units selected from:

- ENGL 42A Survey of American Literature I **Units: 3**
- ENGL 42B Survey of American Literature II **Units: 3**
- ENGL 46A Survey of British Literature I **Units: 3**
- ENGL 46B Survey of British Literature II **Units: 3**

Area B

Complete 3 units selected from:

- ENGL 42A Survey of American Literature I **Units: 3**
- ENGL 42B Survey of American Literature II **Units: 3**
- ENGL 43C World Literature I **Units: 3**
- ENGL 43D World Literature II **Units: 3**
- ENGL 45 Introduction to Shakespeare **Units: 3**
- ENGL 46A Survey of British Literature I **Units: 3**
- ENGL 46B Survey of British Literature II **Units: 3**
- ENGL 49A Introduction to Creative Writing **Units: 3**

Area C

Complete 3 units selected from:

- ENGL 30 The Film as Literature **Units: 3**
- ENGL 35 Chicano Literature **Units: 3**
- ENGL 37 Women in Literature **Units: 3**
- ENGL 38 Mythology **Units: 3**
- ENGL 42A Survey of American Literature I **Units: 3**
- ENGL 42B Survey of American Literature II **Units: 3**
- ENGL 43C World Literature I **Units: 3**
- ENGL 43D World Literature II **Units: 3**
- ENGL 45 Introduction to Shakespeare **Units: 3**
- ENGL 46A Survey of British Literature I **Units: 3**
- ENGL 46B Survey of British Literature II **Units: 3**
- ENGL 49A Introduction to Creative Writing **Units: 3**
- ENGL 49B Creative Writing: Fiction **Units: 3**
- ENGL 49C Creative Writing: Poetry **Units: 3**
- ENGL 49D Creative Writing: Play and Screen Writing **Units: 3**
- ENGL 50SS Special Studies: English **Units: 1-4**
- ENGL 52 From Story to Screen **Units: 3**
- ENGL 57 Children's Literature **Units: 3**
- ENGL 61 Hip Hop Poetics **Units: 3**
- ENGL 62B Contemporary African American Literature **Units: 3**
- ENGL 62C Asian American Literature **Units: 3**
- ENGL 62D Indigenous American Literature **Units: 3**
- ENGL 62E Introduction to Latino/a Literature **Units: 3**

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### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

#### Creative Writing Certificate of Achievement

The Creative Writing Certificate of Achievement prepares students for entry-level jobs in fields such as tutoring, editing and publishing, and journalism, while providing the tools and practice to build a writing portfolio to apply for other in-demand careers in writing. Through a purposeful sequence of courses, students will explore their creative potential through practice in poetry, fiction, non-fiction, and dramatic writing. In addition, students will gain extensive practice in reading literature from diverse voices that will help them learn how to express their own individual voices and share stories from those who they are in community with. The certificate prepares students to progress towards an English transfer degree, and it better positions English transfer degree holders to transfer to English or Creative Writing programs at four-year institutions.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to write original poetry.
2. Demonstrate the ability to write an original piece of fiction.
3. Demonstrate the ability to write an original piece of autobiographical writing.
4. Demonstrate the ability to edit one own's work as well as the creative writing of other people.
5. Demonstrate the ability to refine one's work for publication.
6. Show knowledge of a diverse range of contemporary literature.

#### Core Requirements

Complete 12 units

- ENGL 49B Creative Writing: Fiction **Units: 3**
- ENGL 49C Creative Writing: Poetry **Units: 3**
- ENGL 49D Creative Writing: Play and Screen Writing **Units: 3**

- ENGL 49A Introduction to Creative Writing **Units: 3**

#### Restrictive Electives

Complete 6 units selected from:

- DMEDIA 2 Writing for Digital Media **Units: 3**
- DRAMA 46 Scriptwriting **Units: 3**
- ENGL C1000 Academic Reading and Writing **Units: 3**
- ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**
- ENGL 1B College Composition and Literature **Units: 3**
- ENGL 35 Chicano Literature **Units: 3**
- ENGL 37 Women in Literature **Units: 3**
- ENGL 38 Mythology **Units: 3**
- ENGL 42A Survey of American Literature I **Units: 3**
- ENGL 42B Survey of American Literature II **Units: 3**
- ENGL 45 Introduction to Shakespeare **Units: 3**
- ENGL 46A Survey of British Literature I **Units: 3**
- ENGL 46B Survey of British Literature II **Units: 3**
- ENGL 52 From Story to Screen **Units: 3**
- ENGL 57 Children's Literature **Units: 3**
- ENGL 61 Hip Hop Poetics **Units: 3**
- ENGL 62B Contemporary African American Literature **Units: 3**
- ENGL 62C Asian American Literature **Units: 3**
- ENGL 62D Indigenous American Literature **Units: 3**
- ENGL 62E Introduction to Latino/a Literature **Units: 3**
- ENGL 88 Introduction to Publishing and Editing **Units: 3**

### Minimum Units Required: 18

Complete all courses with a grade of "C" or better.

## English as a Second Language

### ESL Milestone for Multilingual Speakers: Pathway to Business Certificate of Achievement

The ESL Milestone for Multilingual Speakers: Pathway to Business Certificate of Achievement teaches advanced reading and writing skills at a post-secondary level for English learners combined with introductory business and entrepreneurship skills. Students will use a combination of these skills along their pathways to degrees, certificates, or transfer opportunities. In addition, they will be more prepared to work in multilingual office environments and/or pursue more entrepreneurship opportunities.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

## CERTIFICATES AND DEGREES BY AREA

1. Write and edit clear, well-developed essays on academic topics and effectively use English as applied in Business classes as well as in workplace environments. Summarize, paraphrase, and quote readings using proper citation and formatting strategies, as a way to integrate outside sources into business writing.
2. Apply techniques of written communication, sentence structure, word usage, punctuation, spelling, business vocabulary, and business and workplace document formatting.
3. Analyze written communication and compose and organize paragraphs into effective business documents.
4. Participate in in-depth discussions effectively, take clear notes, and give oral presentations in a business environment.
5. Distinguish among primary functions within a business, compare the three major business organizations, and evaluate U.S. and global economic systems.

### Core Requirements

Complete 13 units

- BUS 20 Introduction to Business **Units: 3**
- ESL 59 Advanced College Reading/Writing for Multilingual Students II **Units: 5**
- ESL 88 Advanced College Reading/Writing for Multilingual Students I **Units: 5**

### Restrictive Electives

Select 3 units selected from:

- ESL 86 Advanced College Listening/Speaking for Multilingual Students I **Units: 3**
- ESL 87 Advanced College Grammar for Multilingual Students I **Units: 3**

### Minimum Units Required: 16

Complete all courses with a grade of "C" or better.

### ESL Milestone for Multilingual Speakers: Pathway to Electrical Technology Certificate of Achievement

The ESL Milestone for Multilingual Speakers: Pathway to Electrical Technology Certificate of Achievement teaches advanced reading and writing skills at a post-secondary level for English learners combined with introductory electrical technology skills. Students will use a combination of these skills along their pathways to degrees, certificates, or transfer opportunities. In addition, they will be more prepared to succeed in the Electrical Technology certificate/degree programs and to practice electrical technology in the field.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Write and edit clear, well-developed essays on academic topics and effectively use English as applied in Electrical classes. Summarize, paraphrase, and quote reading using proper

citation and formatting strategies, as a way to integrate outside sources into electrical workplace writing.

2. Apply techniques of written communication, sentence structure, word usage, punctuation, spelling, electrical technology vocabulary, and electrical workplace document formatting.
3. Analyze written communication and compose and organize paragraphs into effective documents.
4. Participate in in-depth discussions effectively, take clear notes, and give oral presentations relevant to the electrical technology environment.
5. Write summaries and short essays to demonstrate an understanding of Direct Current (DC) and Alternating Current (AC) circuits as well as a basic understanding of electrical circuit safety.

### Core Requirements

Complete 10 units

- ESL 88 Advanced College Reading/Writing for Multilingual Students I **Units: 5**
- ESL 59 Advanced College Reading/Writing for Multilingual Students II **Units: 5**

### Restrictive Electives

Area A

Complete 5 units

- ELEC 29A Fundamentals of Electricity I **Units: 3** and
- ELEC 29B Fundamentals of Electricity II **Units: 2**
- ELEC 30 Fundamentals of Electricity **Units: 5**

Area B

Chose 3 units selected from:

- ESL 86 Advanced College Listening/Speaking for Multilingual Students I **Units: 3**
- ESL 87 Advanced College Grammar for Multilingual Students I **Units: 3**

### Minimum Units Required: 18

Complete all courses with a grade of "C" or better.

### ESL Milestone for Multilingual Speakers: Pathway to Health Careers Certificate of Achievement

The ESL Milestone for Multilingual Speakers: Pathway to Health Careers Certificate of Achievement teaches advanced reading and writing skills at a post-secondary level for English learners combined with introductory skills related to a future in health careers. Students will use a combination of these skills along their pathways to degrees, certificates, or transfer opportunities. In addition, they will be more prepared to succeed in a variety of health certificate programs and to join a health career in the future.

### Program Learning Outcomes

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Upon successful completion of this program, students will be able to:

1. Write and edit clear, well-developed essays on academic topics and effectively use English as applied in Health Science classes as well as workplace environments in one of the Health Careers. Summarize, paraphrase, and quote readings using proper citation and formatting strategies, as a way to integrate outside sources into writing for Health Science classes.
2. Apply techniques of written communication, sentence structure, word usage, punctuation, spelling, medical terminology, and Health Sciences document formatting.
3. Analyze written health-related communication and compose and organize paragraphs into effective documents.
4. Participate in in-depth health-related discussions effectively, take clear notes, and give oral presentations.
5. Demonstrate the understanding and spelling of prefixes, root words, and suffixes to accurately decode common medical terms.
6. Demonstrate how to properly use common medical terms in health care practice.

### Core Requirements

Complete 13 units

- ESL 88 Advanced College Reading/Writing for Multilingual Students I **Units:** 5
- ESL 59 Advanced College Reading/Writing for Multilingual Students II **Units:** 5
- H S 36 Medical Terminology and Speech **Units:** 3

### Restrictive Electives

Complete 3 units selected from:

- ESL 86 Advanced College Listening/Speaking for Multilingual Students I **Units:** 3
- ESL 87 Advanced College Grammar for Multilingual Students I **Units:** 3

### Minimum Units Required: 16

Complete all courses with a grade of "C" or better.

## Noncredit ESL Milestone for Multilingual Speakers - Pathway to Health Careers Certificate of Completion

The Noncredit ESL Milestone for Multilingual Speakers - Pathway to Health Careers Certificate of Completion is designed to prepare English Language learners (ELLs) to succeed in short-term vocational certificate programs related to Health Careers and/or degree-applicable coursework in various Guided Pathways certificate and degree programs. Multilingual students completing these certificates have obtained academic English reading and writing skills at an advanced, post-secondary level. In addition, they have achieved success in prerequisite or introductory coursework in a variety of degree, certificate, and/or general education patterns. These two elements combine to demonstrate significant achievement of a

milestone along their pathways to Health Careers certificates, degrees or transfer opportunities.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Write and edit clear, well-developed essays on academic topics and effectively use English as applied in Health Science classes as well as workplace environments in one of the Health Careers. Summarize, paraphrase, and quote readings using proper citation and formatting strategies, as a way to integrate outside sources into writing for Health Science classes.
2. Apply techniques of written communication, sentence structure, word usage, punctuation, spelling, medical terminology, and Health Sciences document formatting.
3. Analyze written health-related communication and compose and organize paragraphs into effective documents.
4. Participate in in-depth health-related discussions effectively, take clear notes, and give oral presentations.
5. Demonstrate the understanding and spelling of prefixes, root words, and suffixes to accurately decode common medical terms.
6. Understand how to properly use common medical terms in health care practice.

### Core Requirements

Complete the courses listed below:

- ESL 188 Advanced College Reading/Writing for Multilingual Students I **Units:** 0
- ESL 159 Advanced College Reading/Writing for Multilingual Students II **Units:** 0
- H S 136 Medical Terminology and Speech **Units:** 0

### Restrictive Electives

Choose one of the following courses:

- ESL 186 Advanced College Listening/Speaking for Multilingual Students I **Units:** 0
- ESL 187 Advanced College Grammar for Multilingual Students I **Units:** 0

### Minimum Units Required: 0

Complete all courses with a grade of "P".

**Total Contact Hours: 288**

## Advanced ESL Certificate of Competency

The Advanced ESL Certificate of Competency prepares students to excel in advanced-level ESL coursework, positioning them for success in vocational training, academic programs, or professional environments where a high level of English proficiency is essential. In this program, English language learners will focus on mastering academic reading, writing, listening, speaking, and grammar skills at an advanced college ESL level. These skills will enable them to transition seamlessly into

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higher education, degrees, certificates, and transfer opportunities. Participants will also refine their English proficiency to enhance employability, enrich their families, and contribute more actively to the wider community.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Write an essay utilizing advanced structures of English and demonstrating critical thinking while responding to the prompt with organization, development, and support.
2. Read an article or essay and identify the author's main opinion and supporting reasons and evidence.
3. Write a short composition utilizing advanced structures of English grammar and demonstrating mastery of advanced sentence structure and variety, complex verb tenses, and mechanics of writing.
4. Read a text with grammar errors (eg. sentence structure, punctuation, run-on sentences, etc.) to identify and correct them.
5. Demonstrate clear pronunciation and adequate speed of speech appropriate to the advanced level of English fluency.
6. Answer comprehension questions and paraphrase the main ideas and supporting details after listening to a recording.

### Core Requirements

Complete the courses listed below:

- ESL 186 Advanced College Listening/Speaking for Multilingual Students I **Units:** 0
- ESL 187 Advanced College Grammar for Multilingual Students I **Units:** 0
- ESL 188 Advanced College Reading/Writing for Multilingual Students I **Units:** 0

### Minimum Units Required: 0

Complete all courses with a grade of "P".

**Total Contact Hours: 198**

### High-Intermediate ESL Certificate of Competency

The High-Intermediate ESL Certificate of Competency prepares students to progress to advanced ESL coursework, allowing them to pursue vocational training, academic programs, or employment opportunities that require strong English proficiency. In this program, English language learners will focus on enhancing their academic reading, writing, listening, speaking, and grammar skills at a high-intermediate college ESL level. These skills will support their transition to advanced ESL coursework, degrees, certificates, and/or transfer opportunities. Participants will also strengthen the English skills needed to boost their employability, enrich their families, and engage more fully in the broader community.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Write a short essay utilizing high-intermediate structures of English and demonstrating comprehension while responding to the prompt with organization, development, and support.
2. Read a short article or essay and identify the author's main opinion and supporting reasons and evidence. Answer comprehension questions about specific details, main ideas, and vocabulary in context.
3. Write a paragraph or short composition utilizing high-intermediate structures of English grammar and demonstrating mastery of intermediate sentence structure, verb tenses, and mechanics of writing.
4. Read a paragraph or short text with grammar errors (eg. subject-verb agreement, complex verb tenses, fragments, etc.) to identify and correct them.
5. Answer comprehension questions and restate the main ideas after listening to a recording.
6. Demonstrate clear pronunciation and adequate speed of speech appropriate to the high-intermediate level of English fluency through speeches and presentations.

### Core Requirements

Complete the courses listed below:

- ESL 183 Intermediate College Listening/Speaking for Multilingual Students II **Units:** 0
- ESL 184 Intermediate College Grammar for Multilingual Students II **Units:** 0
- ESL 185 Intermediate College Reading/Writing for Multilingual Students II **Units:** 0

### Minimum Units Required: 0

Complete all courses with a grade of "P".

**Total Contact Hours: 198**

### Low-Intermediate ESL Certificate of Competency

The Low-Intermediate ESL Certificate of Competency prepares students to advance to higher-level ESL coursework in order to transition to vocational training, academic programs, or employment opportunities where English proficiency is required. In this program, English language learners will focus on academic reading, writing, listening, speaking, and grammar skills at a low-intermediate college ESL level. Students will use these skills to transition to high-intermediate college ESL course work on their pathways to degrees, certificates, and/or transfer opportunities. English language learners in this program will strengthen the English language skills needed to improve their employability, enrich their families, and become more active participants in the wider community.

### Program Learning Outcomes

## CERTIFICATES AND DEGREES BY AREA

Upon successful completion of this program, students will be able to:

1. Write a paragraph utilizing low-intermediate structures of English and demonstrating comprehension while responding to the prompt with organization, development, and support.
2. Read a text and locate information in response to comprehension questions about main ideas and details.
3. Write a paragraph utilizing low-intermediate structures of English grammar and demonstrating mastery of simple sentence structure and verb tenses.
4. Read a paragraph with grammar errors (e.g. subject-verb agreement, verb tense, etc.) to identify and correct them.
5. Answer comprehension questions after listening to a brief, simple recording.
6. Demonstrate clear pronunciation and adequate speed of speech appropriate to the low-intermediate level of English fluency by giving short presentations and answering questions orally.

### Core Requirements

Complete the courses listed below:

- ESL 180 Intermediate College Listening/Speaking for Multilingual Students I **Units: 0**
- ESL 181 Intermediate College Grammar for Multilingual Students I **Units: 0**
- ESL 182 Intermediate College Reading/Writing for Multilingual Students I **Units: 0**

### Minimum Units Required: 0

Complete all courses with a grade of "P".

**Total Contact Hours: 198**

## Family and Consumer Sciences

### Family and Consumer Sciences, AS

The Family and Consumer Sciences Associate in Science degree educates students in general life skills that can be applied to family life and to success in the workplace or to transfer toward a Bachelor's degree as a generalist in Family and Consumer Science. Through a broad base of coursework that includes life management, home finance, nutrition, child development, interior design and basic sewing, students gain practical and theoretical knowledge that improves the quality and standards of individual and family life and promotes informed consumerism.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Create a plan for achievement of personal, educational and life goals and will demonstrate knowledge of personal financial concepts and apply it to the home setting.

2. Use the Dietary Guidelines for Americans to create and critique a diet plan for individuals and the family and will evaluate nutritional claims using principles of the scientific method.
3. Describe benchmarks for development during infancy, childhood and adolescence and apply that knowledge in an educational setting.
4. Recognize differences in cultural child-rearing practices.
5. Produce projects that demonstrate entry-level skills.
6. Recognize effective strategies for developing meaningful relationships and communication within families.

### Major Requirements - Restricted Electives

Complete 18 units selected from:

- ECE 21 Child and Adolescent Development **Units: 3**
- ECE 28 Child Health, Safety, and Nutrition **Units: 3**
- ECE 63 Child Discipline **Units: 1**
- FASHION 30 Basic Industry Sewing **Units: 3**
- FCS 2 Life Management **Units: 3**
- FCS 3 Personal and Family Finance **Units: 3**
- FCS 6 Nutrition **Units: 3**
- FCS 23 Marriage and the Family **Units: 3**
- ID 2 Introduction to Interior Design **Units: 3**

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## Fashion

### Fashion Merchandising, AS

Upon completion of the Fashion Merchandising Associate in Science degree, students will have a solid foundation of fashion merchandising. This knowledge will allow them to perform at a high level in a fashion business. They will be

able to succeed in jobs in the areas of fashion merchandising.

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Demonstrate an understanding of the relationship between current fashion trends and cultural, social, political, technological and environmental issues.
2. Demonstrate an understanding of the factors that affect the current fashion industry.

**Major Requirements - Core**

Complete 32 units

- FASHION 2 Introduction to the Fashion Industry **Units: 3**
- FASHION 4 Fashion Product Analysis **Units: 3**
- FASHION /ID 6 Textiles **Units: 3**
- FASHION 8 History of Fashion to the Twentieth Century **Units: 3**
- FASHION 9 History of Fashion from the Twentieth Century to Present **Units: 3**
- FASHION 10 Clothing and Culture **Units: 3**
- FASHION /ID 19 Retailing Fashion and Interiors **Units: 3**
- FASHION /ID 21 Trend Forecasting for Fashion & Interiors **Units: 2**
- FASHION 22 Fashion Promotion and Marketing **Units: 3**
- FASHION 24 Visual Merchandising/Store Design I **Units: 3**
- FASHION 28A Fashion Event Production **Units: 3**

**Minimum Major Units Required: 32**

Complete all courses with a grade of "C" or better.

**General Education**

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60**

**Apparel Design, AA**

Upon successful completion of the Apparel Design Associate in Arts degree, the student demonstrates the skills, training, and knowledge to succeed in the apparel design industry or to pursue further education in apparel design or related fields. Students who complete the degree demonstrate apparel construction and pattern making skills used in the fashion industry and obtain knowledge, skills and abilities to work in careers as industrial sewers, pattern makers, production room managers, fashion illustrators, designers and design assistants.

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Design and produce original garments and collections to industry standards.
2. Analyze and evaluate the effects of changing demographics and psychographics on consumer behavior in relation to fashion and related products in today's market.
3. Analyze characteristics of various fibers and fabrics in relation to finished apparel goods.
4. Demonstrate an understanding of current fashion industry production techniques.
5. Demonstrate an understanding of the origins and history of textiles and fashion.
6. Demonstrate an understanding of the fashion design process, using flat pattern, custom clothing and industrial sewing techniques.
7. Demonstrate the skills and knowledge to use the tools and equipment used in apparel production in today's industry.
8. Demonstrate an understanding of the relationship between current fashion trends and cultural, social, political, technological and environment issues.

**Major Requirements - Core**

Complete 28 units

- FASHION 2 Introduction to the Fashion Industry **Units: 3**
- FASHION 4 Fashion Product Analysis **Units: 3**
- FASHION 6 Textiles **Units: 3**  
or ID 6 Textiles **Units: 3**
- FASHION 8 History of Fashion to the Twentieth Century **Units: 3**
- FASHION 9 History of Fashion from the Twentieth Century to Present **Units: 3**
- FASHION 10 Clothing and Culture **Units: 3**
- FASHION 21 Trend Forecasting for Fashion & Interiors **Units: 2**  
or ID 21 Trend Forecasting for Fashion & Interiors **Units: 2**
- FASHION 30 Basic Industry Sewing **Units: 3**
- FASHION 31 Intermediate Industry Sewing **Units: 3**
- FASHION 51 Beginning Fashion Illustration **Units: 2**

## CERTIFICATES AND DEGREES BY AREA

### Major Requirements - Restricted Electives

Complete 2 units selected from:

- FASHION 37 Flat Pattern II **Units: 3**
- FASHION 52 Advanced Fashion Illustration **Units: 2**

### Minimum Major Units Required: 30

Complete all courses with a grade of "C" or better.

### General Education

Complete the following general education pattern:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

Complete all courses with a grade of "C" or better.

### Apparel Industry Sewing Certificate of Achievement

The Apparel Industry Sewing certificate provides students with specific training in industry sewing and manufacturing utilizing standards used in the current fashion industry. Upon successful completion of the program, students should be able to find employment in a variety of industries such as automotive sewing, automotive interiors, clothing manufacturing, boat canvas and interiors, awning manufacturing, and upholstery.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate proficiency in using tools and equipment used in garment production for the fashion industry.
2. Create sample garments utilizing current industrial sewing techniques.
3. Demonstrate skills used in current fashion industry in the field of industry sewing.

### Core Requirements

Complete 18 units

- FASHION 2 Introduction to the Fashion Industry **Units: 3**
- FASHION 4 Fashion Product Analysis **Units: 3**
- FASHION 30 Basic Industry Sewing **Units: 3**

- FASHION 31 Intermediate Industry Sewing **Units: 3**
- FASHION 32 Advanced Industry Sewing **Units: 3**
- FASHION 33 Alterations and Fit **Units: 3**

### Minimum Units Required: 18

Complete all courses with a grade of "C" or better.

### Fashion Design Certificate of Achievement

The Fashion Certificate of Achievement will prepare students for entry-level positions in the apparel design and manufacturing industry. This comprehensive course of study will provide students with technical, practical, and conceptual development skills for many employment opportunities in the apparel design field.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Analyze and evaluate the factors that affect the current fashion industry and the challenges that designers face today.
2. Analyze characteristics of various fibers and fabrics in relation to finished apparel goods.
3. Demonstrate an understanding of the origins and history of textiles and fashion.
4. Demonstrate the skills necessary to design apparel for the fashion industry.

### Core Requirements

Complete 35 units

- FASHION 2 Introduction to the Fashion Industry **Units: 3**
- FASHION 4 Fashion Product Analysis **Units: 3**
- FASHION /ID 6 Textiles **Units: 3**
- FASHION 8 History of Fashion to the Twentieth Century **Units: 3**
- FASHION 9 History of Fashion from the Twentieth Century to Present **Units: 3**
- FASHION 10 Clothing and Culture **Units: 3**
- FASHION 30 Basic Industry Sewing **Units: 3**
- FASHION 31 Intermediate Industry Sewing **Units: 3**
- FASHION 36 Flat Pattern I **Units: 3**
- FASHION 37 Flat Pattern II **Units: 3**
- FASHION 38 Fashion Design by Draping **Units: 3**
- FASHION 51 Beginning Fashion Illustration **Units: 2**

### Restricted Electives

Complete 6 units selected from:

- FASHION /ID 21 Trend Forecasting for Fashion & Interiors **Units: 2**
- FASHION 22 Fashion Promotion and Marketing **Units: 3**
- FASHION 32 Advanced Industry Sewing **Units: 3**
- FASHION 33 Alterations and Fit **Units: 3**

- FASHION 42 Couture Techniques I-Embellishments **Units: 3**
- FASHION 52 Advanced Fashion Illustration **Units: 2**
- FASHION 54 Collection Design and Production I **Units: 4**
- FASHION 55 Collection Design and Production II **Units: 4**

**Minimum Units Required: 41**

Complete all courses with a grade of "C" or better.

**Fashion Merchandising Certificate of Achievement**

Upon successful completion of the Fashion Merchandising certificate, the student demonstrates the basic skills and knowledge required for careers in the Fashion Industry. Completion of this certificate opens and expands employment opportunities in the field of fashion.

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Demonstrate an understanding of the origins and history of fashion and trends.
2. Demonstrate an understanding of the relationship between current fashion trends and cultural, social, political, technological and environmental issues.
3. Analyze and evaluate the effects of changing demographics and psychographics on consumer behavior in relation to fashion and related products in today's market.

**Core Requirements**

Complete 32 units

- FASHION 2 Introduction to the Fashion Industry **Units: 3**
- FASHION 4 Fashion Product Analysis **Units: 3**
- FASHION 8 History of Fashion to the Twentieth Century **Units: 3**
- FASHION 9 History of Fashion from the Twentieth Century to Present **Units: 3**
- FASHION 10 Clothing and Culture **Units: 3**
- FASHION /ID 18 Consumer Behavior in Fashion and Interiors **Units: 3**
- FASHION /ID 19 Retailing Fashion and Interiors **Units: 3**
- FASHION /ID 21 Trend Forecasting for Fashion & Interiors **Units: 2**
- FASHION 22 Fashion Promotion and Marketing **Units: 3**
- FASHION 24 Visual Merchandising/Store Design I **Units: 3**
- FASHION 28A Fashion Event Production **Units: 3**

**Minimum Units Required: 32**

Complete all courses with a grade of "C" or better.

## Fluid Power Technology

**Fluid Power and Automation Technology, AS**

Upon successful completion of the Fluid Power and Automation Technology Associate in Science degree, the student demonstrates the skills, knowledge and training for employment in the following fluid power industry positions: fluid power mechanic, fluid power technician, salesperson in fluid power industry; ability to apply his/her knowledge of physics and mathematics in solving applied fluid power problems; plan and install complex fluid power systems; maintain, troubleshoot, and repair control systems using proper tools and procedures; and select, compile, and use technical information from reference materials; and preparation to take the Fluid Power Society certification exams for fluid power mechanics, technicians, and specialists; preparation to transfer to a four-year Bachelor's Degree program. This program is accredited by the Fluid Power Education Foundation (FPEF) as one of their nationally recognized "Key Schools" supporting the fluid power industry.

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Analyze a potential fluid power application and select proper components used to fabricate the fluid power system.

**Major Requirements - Core**

Complete 15 units

- INDUS 31 Industrial Hydraulics **Units: 4**
- INDUS 35 Mobile Hydraulics **Units: 4**
- MACH 16 Machine Tool Process **Units: 3**
- PHYSC 10 Introduction to Physics **Units: 4**

**Major Requirements - Restricted Electives**

Complete 4 units selected from:

- ELEC 30 Fundamentals of Electricity **Units: 5**
- ELECT 11 AC and DC Network Analysis **Units: 4**

**Minimum Major Units Required: 19**

Complete all courses with a grade of "C" or better.

**General Education**

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and

## CERTIFICATES AND DEGREES BY AREA

lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60**

### Fluid Power and Automation Technology Certificate of Achievement

Upon successful completion of the Fluid Power and Automation certificate, the student demonstrates skills, knowledge and training for employment in the following fluid power industry positions: fluid power mechanic, fluid power technician, and salesperson in fluid power industry. The student demonstrates his or her ability to apply knowledge of physics and mathematics in solving applied fluid power problems; plan and install complex fluid power systems; maintain, troubleshoot, and repair control systems using proper tools and procedures; and select, compile, and use technical information from reference materials. The student demonstrates the skills, knowledge and training to take the Fluid Power Society certification exams for fluid power mechanics, technicians, and specialists. This program is accredited by the Fluid Power Education Foundation (FPEF).

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Analyze a potential fluid power application and select proper components used to fabricate the fluid power system.

#### Core Requirements

Complete 14 units

- INDUS 31 Industrial Hydraulics **Units: 4**
- INDUS 35 Mobile Hydraulics **Units: 4**
- INDUS 94 Industrial Mathematics and Algebra **Units: 3 or higher level mathematics course**
- MACH 16 Machine Tool Process **Units: 3**

#### Restricted Electives

Complete 4 units selected from:

- ELEC 30 Fundamentals of Electricity **Units: 5**
- ELECT 11 AC and DC Network Analysis **Units: 4**

**Minimum Units Required: 18**

Complete all courses with a grade of "C" or better.

## General Education

### California State University General Education (CSU-GE) Pattern/Certificate of Achievement

This certificate is designed for the student who intends to transfer to a California State University (CSU). Certification of completion of this Certificate of Achievement will fulfill lower division General Education Requirements at all CSU campuses and eliminate the

need to complete additional lower division general education requirements at the transfer institution. Students completing the CSU general education pattern will also meet the general education requirements for San Joaquin Delta College's Associate Degree.

All courses completed in Areas A1, A2, A3, and B4 must be completed with a grade of C or better. Although a course may be listed under more than one area, a course cannot be used to satisfy more than one general education area.

#### Program Learning Outcomes

Upon successful completion of this program, students will have successfully completed all required CSU lower division general education breadth pattern coursework.

Courses shall be selected from Areas A - F below:

Area A - English Language Communication and Critical Thinking

Complete 9 units with at least one course each from A1-Oral Communication, A2-Written Communication, and A3-Critical Thinking.

A1: Oral Communication<sup>^</sup>

- COMM C1000 Introduction to Public Speaking **Units: 3**
- COMM 8 Small Group Communication **Units: 3**

A2: Written Communication<sup>^</sup>

- ENGL C1000 Academic Reading and Writing **Units: 3**
- ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

A3: Critical Thinking<sup>^</sup>

- COMM 5 Argumentation and Debate **Units: 3**
- ENGL 1B College Composition and Literature **Units: 3**
- ENGL C1001 Critical Thinking and Writing **Units: 3**
- PHILO 30 Introductory Logic **Units: 3**

Area B - Scientific Inquiry and Quantitative Reasoning

Complete a minimum of 9 units with at least one course each from B1-Physical Science, B2-Life Science (at least one to include a B3-Laboratory Activity component), and B4-Mathematics/Quantitative Reasoning.

B1: Physical Science

- ASTRO 1 Introductory Astronomy **Units: 3**
- ASTRO 1L Astronomy Laboratory **Units: 1 \***
- ASTRO 11 Astronomy of the Solar System **Units: 4 \***
- ASTRO 12 Astronomy: Stars, Galaxies, and the Universe **Units: 4 \***
- CHEM 1A General Chemistry **Units: 5 \***

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- CHEM 1B General Chemistry **Units: 5 \***
- CHEM 3A Introduction to Chemistry **Units: 4 \***
- CHEM 10 Exploring Everyday Chemistry **Units: 3**
- CHEM 12A Organic Chemistry **Units: 5 \***
- CHEM 12B Organic Chemistry **Units: 5 \***
- GEOG 1 Physical Geography **Units: 3**
- GEOG 1L Physical Geography Laboratory **Units: 1 \***
- GEOL 1A Physical Geology w/Lab **Units: 4 \***
- GEOL 1B Historical Geology w/Lab **Units: 4 \***
- GEOL 2 Introduction to Environmental Science **Units: 3**
- GEOL 5 Earth Science **Units: 3**
- GEOL 5A Earth Science with Laboratory **Units: 4 \***
- GEOL 15 Environmental Geology **Units: 3**
- GEOL 16 Oceanography **Units: 3**
- PHSCI 1 Conceptual Physical Science **Units: 3**
- PHYSC 2A General Physics **Units: 4 \***
- PHYSC 4A Principles of Physics: Mechanics **Units: 4 \***
- PHYSC 10 Introduction to Physics **Units: 4 \***
- PLANT 14 Soil Science **Units: 4 \***

### B2: Life Science

- ANTHR 2 Biological Anthropology **Units: 3**
- ANTHR 2L Biological Anthropology Laboratory **Units: 1 \***
- ASCI 10 Principles of Animal Science **Units: 3**
- ASCI 10L Principles of Animal Science Laboratory **Units: 1 \***
- BIOL 1 Cell and Molecular Biology **Units: 4 \***
- BIOL 2 Zoology/Animal Diversity and Evolution **Units: 5 \***
- BIOL 3 Plant Diversity and Ecology **Units: 4 \***
- BIOL 10 Survey of Biology **Units: 4 \***
- BIOL 11 Human Biology **Units: 4 \***
- BIOL 23 General Microbiology **Units: 5 \***
- BIOL 31 Human Anatomy **Units: 4 \***
- BIOL 32 Human Physiology **Units: 5 \***
- BIOL 33 Anatomy & Physiology **Units: 6 \***
- N R 2 Environmental Science **Units: 3**
- PLANT 10 Principles of Plant Science **Units: 3**
- PLANT 10L Principles of Plant Science Laboratory **Units: 1 \***
- PSYC 5 Introduction to Biological Psychology **Units: 4 \***

### B3: Laboratory Activity

This requirement will be satisfied by completion of any laboratory course in Area B1 or B2. Laboratory courses are indicated with an asterisk (\*).

### B4: Mathematics/Quantitative Reasoning^

- BUS 67 Introduction to Personal Finance **Units: 3**

- COMM 14 Statistical Analysis for Communication **Units: 3**
- LAW 26 Introductory Statistical Analysis for Law, Policy, and Justice Studies **Units: 4**
- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**
- MATH 3 Multivariable Calculus **Units: 4**
- MATH 4 Differential Equations **Units: 4**
- MATH 5 Linear Algebra **Units: 4**
- MATH 13 Survey of Calculus **Units: 4**
- MATH 17A Concepts and Structures of Mathematics **Units: 3**
- MATH 20 Finite Mathematics **Units: 3**
- MATH 37 College Algebra **Units: 3**
- MATH 37EX College Algebra with Support **Units: 4**
- MATH 38A Precalculus I **Units: 4**
- MATH 38AEX Precalculus I with Support **Units: 6**
- MATH 38B Precalculus II **Units: 4**
- MATH 38BEX Precalculus II with Support **Units: 4.5**
- MATH 39 Precalculus **Units: 6**
- PSYC 2 Statistical Methods for Psychology & Social Science **Units: 3**
- STAT C1000 Introduction to Statistics **Units: 4**
- STAT C1000E Introduction to Statistics Embedded Support **Units: 4.5**

Area C - Arts, Literature, Philosophy, and Languages Other Than English

Complete a minimum of 9 units with at least one course each from C1-Arts and C2-Humanities.

### C1: Arts

- ART 1A Art History: Europe from Prehistory to 1400 **Units: 3**
- ART 1B Art History: Europe from the Fifteenth to the Twentieth Century **Units: 3**
- ART 1C Modern and Contemporary Art History **Units: 3**
- ART 2 Art History of the Non-Western World **Units: 3**
- ART 3 Art Appreciation **Units: 3**
- ART 6 2D Design and Color **Units: 3**
- ART 7A Painting I **Units: 3**
- ART 12 3-D Design **Units: 3**
- ART 20A Sculpture I **Units: 3**
- ART 33A Beginning Drawing **Units: 3**
- ART 40A Printmaking I **Units: 3**
- ART 64A Ceramics I **Units: 3**
- COMM 2 Oral Interpretation of Literature **Units: 3**
- DANCE 29 Dance Appreciation **Units: 3**
- DANCE 32 Dance Cultures **Units: 3**
- DANCE 35A Afro-Caribbean Dance I **Units: 3**
- DRAMA 10 Introduction to Theatre **Units: 3**

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- DRAMA 16A History of Theatre: Primitive to the 18th Century **Units: 3**
- DRAMA 16B History of Theatre: 18th Century to Present **Units: 3**
- DRAMA 31 Acting I: Introduction to Acting **Units: 3**
- ENGL 30 The Film as Literature **Units: 3**
- FASHION 8 History of Fashion to the Twentieth Century **Units: 3**
- HORT 4 History of Garden Design **Units: 3**
- ID 8 History of Interior Design and Furniture I **Units: 3**
- MUSIC 1 Music Fundamentals **Units: 3**
- MUSIC 4 Exploring Music **Units: 3**
- MUSIC 7 Excursions in Music of Our World **Units: 3**
- MUSIC 8 Exploring Jazz, Ragtime, and Blues **Units: 3**
- PHOTO 1A Introduction to Photography **Units: 3**

### C2: Humanities

- CIVIL /HUM 3 Autobiography of Civilization **Units: 3**
- CUL ART 16 Gastronomies of the World **Units: 3**
- DANCE 32 Dance Cultures **Units: 3**
- ENGL 35 Chicano Literature **Units: 3**
- ENGL 37 Women in Literature **Units: 3**
- ENGL 38 Mythology **Units: 3**
- ENGL 42A Survey of American Literature I **Units: 3**
- ENGL 42B Survey of American Literature II **Units: 3**
- ENGL 43C World Literature I **Units: 3**
- ENGL 43D World Literature II **Units: 3**
- ENGL 45 Introduction to Shakespeare **Units: 3**
- ENGL 46A Survey of British Literature I **Units: 3**
- ENGL 46B Survey of British Literature II **Units: 3**
- ENGL 49A Introduction to Creative Writing **Units: 3**
- ENGL 52 From Story to Screen **Units: 3**
- ENGL 57 Children's Literature **Units: 3**
- ENGL 61 Hip Hop Poetics **Units: 3**
- ENGL 62A Race and Ethnicity in Literature **Units: 3**
- ENGL 62B Contemporary African American Literature **Units: 3**
- ENGL 62C Asian American Literature **Units: 3**
- ENGL 62D Indigenous American Literature **Units: 3**
- ENGL 62E Introduction to Latino/a Literature **Units: 3**
- FASHION 9 History of Fashion from the Twentieth Century to Present **Units: 3**
- FASHION 10 Clothing and Culture **Units: 3**
- FREN 2 Elementary French II **Units: 4**
- FREN 3 Intermediate French I **Units: 4**

- FREN 4 Intermediate French II **Units: 4**
- GERM 1 Elementary German I **Units: 5**
- GERM 2 Elementary German II **Units: 5**
- HIST 6C History of the Middle East **Units: 3 +**
- HIST 7 History Through Film **Units: 3**
- HUM /CIVIL 3 Autobiography of Civilization **Units: 3**
- ITAL 2 Elementary Italian II **Units: 4**
- JAPAN 2 Elementary Japanese II **Units: 4**
- PHILO 6 Introduction to Philosophy **Units: 3**
- PHILO 40 Ethics **Units: 3**
- PHILO 45 Philosophy of Religion **Units: 3**
- PHILO 50 Asian Philosophy **Units: 3**
- RELGN 14A Great Religions of the Eastern World **Units: 3**
- RELGN 14B Great Religions of the Western World **Units: 3**
- SL 2 Elementary American Sign Language II **Units: 4**
- SL 3 Intermediate American Sign Language I **Units: 4**
- SL 4 Intermediate American Sign Language II **Units: 4**
- SPAN 2 Elementary Spanish II **Units: 4**
- SPAN 3 Intermediate Spanish I **Units: 4**
- SPAN 3A Spanish for Spanish Speakers I **Units: 4**
- SPAN 4 Intermediate Spanish II **Units: 4**
- SPAN 4A Spanish for Spanish Speakers II **Units: 4**
- SPAN 5 Advanced Spanish Introduction to Literature I **Units: 3**
- SPAN 6 Advanced Spanish Introduction to Literature II **Units: 3**
- SPAN 20 Introduction to Chicana/o and Latina/o Studies through Literature **Units: 5**

### Area D - Social, Political, and Economic Institutions

Complete a minimum of 6 units.

- AGBUS 12 Agricultural Economics **Units: 3**
- AJ 21 Criminal Justice in Society **Units: 3**
- ANTHR 1 Cultural Anthropology **Units: 3**
- ANTHR 10 Introduction to Archaeology **Units: 3**
- BIOL /PSYC 30 Human Sexuality **Units: 3 +**
- BUS 8 Introduction to Law and Society **Units: 3**
- BUS 8H Honors Introduction to Law and Society **Units: 3**
- BUS 26 Economics of Business **Units: 3**
- BUS 32 Managing Diversity and Inclusion **Units: 3**
- COMM 7 Intercultural Communication **Units: 3 \*\***
- COMM 11 Intracultural Communication **Units: 3 \*\***
- ECE 21 Child and Adolescent Development **Units: 3 +**
- ECON 3 Principles of Microeconomics **Units: 3**

## CERTIFICATES AND DEGREES BY AREA

- ECON 5 Principles of Macroeconomics **Units: 3**
- ETHNS 30 Introduction to Ethnic Studies **Units: 3**
- ETHNS 33 Introduction to Native American Studies **Units: 3 +**
- ETHNS 34 Introduction to Chicana/Chicano Studies **Units: 3 +**
- ETHNS 35 Introduction to Black/African American Studies **Units: 3 +**
- ETHNS 36 Introduction to Asian American Studies **Units: 3 +**
- GEOG 2 Human Geography **Units: 3**
- GEOG 3 Geography of California **Units: 3**
- GEOG 10 World Regional Geography **Units: 3**
- HIST 2A World History to 1600 **Units: 3**
- HIST 2B World History Since 1600 **Units: 3**
- HIST 4A History of Western Civilization **Units: 3**
- HIST 4B History of Western Civilization **Units: 3**
- HIST 6A History of Asian Civilizations **Units: 3**
- HIST 6C History of the Middle East **Units: 3 +**
- HIST 17A History of the United States **Units: 3**
- HIST 17B History of the United States **Units: 3**
- HIST 27 Women in History **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- HIST 34 Asian Pacific American History **Units: 3**
- HIST 37 California History **Units: 3**
- LAW 16 Introduction to Social Justice: Law and Social Change **Units: 3**
- PETHEORY 41 Sport in Society **Units: 3**
- PETHEORY 49 Psychology of Fitness and Sport Performance **Units: 3**
- POLS C1000 American Government and Politics **Units: 3**
- POLS 2 Introduction to Comparative Politics **Units: 3**
- POLS 3 Introduction to Political Theory **Units: 3**
- POLS 4 California Politics **Units: 3**
- POLS 5 International Relations **Units: 3**
- POLS 6 International Political Economy **Units: 3**
- PSYC C1000 Introduction to Psychology **Units: 3**
- PSYC 3 Personal and Social Psychology **Units: 3 +**
- PSYC 4 Introduction to Research Methods in Psychology **Units: 3**
- PSYC /BIOL 30 Human Sexuality **Units: 3 +**
- SOCIO 1A Introduction to Sociology **Units: 3**
- SOCIO 1B Social Problems **Units: 3**
- SOCIO 5 Sociology of the Family **Units: 3**
- SOCIO 27 Introduction to Gender **Units: 3**
- SOCIO 33 Introduction to Race and Ethnicity **Units: 3 \*\***

### Area E - Lifelong Learning and Self-Development

Complete a minimum of 3 units, not all in PEACTION.

Veterans or reservists who submit a DD214 verifying discharge under honorable conditions *or* active duty military personnel who submit an official document (e.g., Joint Services Transcript) verifying completion of basic military training will clear Area E and receive three units of general education credit.

- ANTHR /HUM 4 Introduction to Linguistics **Units: 3**
- BIOL /PSYC 30 Human Sexuality **Units: 3 +**
- COMM 3 Interpersonal Communication **Units: 3**
- COUN 8 Education and Interpersonal Growth **Units: 3**
- ECE 21 Child and Adolescent Development **Units: 3 +**
- FCS 2 Life Management **Units: 3**
- FCS 6 Nutrition **Units: 3**
- FCS /H S 19 Human Development **Units: 3**
- FCS 23 Marriage and the Family **Units: 3**
- H ED 1 Health Education **Units: 3**
- H ED 30 Community First Aid and Safety **Units: 2**
- H S /FCS 19 Human Development **Units: 3**
- HUM /ANTHR 4 Introduction to Linguistics **Units: 3**
- PEACTION 1D Swim Training and Conditioning **Units: 0.5-1**
- PEACTION 8 Futsal 1 **Units: 1**
- PEACTION 12A Individual Conditioning I **Units: 1.5**
- PETHEORY 45 Women in Sport **Units: 3**
- PSYC 3 Personal and Social Psychology **Units: 3 +**
- PSYC /BIOL 30 Human Sexuality **Units: 3 +**

### Area F - Ethnic Studies

Complete a minimum of 3 units. The requirement to take a 3 unit course in Area F shall not be waived or substituted.

- ETHNS 33 Introduction to Native American Studies **Units: 3 +**
- ETHNS 34 Introduction to Chicana/Chicano Studies **Units: 3 +**
- ETHNS 35 Introduction to Black/African American Studies **Units: 3 +**
- ETHNS 36 Introduction to Asian American Studies **Units: 3 +**

### Minimum Units Required: 40

#### NOTES:

For a complete listing of courses and approval dates log on to [www.assist.org](http://www.assist.org) or see a counselor or evaluator for a list of course approval dates.

^ Course in this area must be completed with a grade of "C" or better

## CERTIFICATES AND DEGREES BY AREA

+ Course may be listed in more than one area but may not be used to certify more than one area.

\* Indicates Laboratory Activity course

\*\* Course satisfies CSU Sacramento "Race and Ethnicity in American Society" general education requirement

### California State University American Institutions Requirement

Students satisfy the American Institutions requirement of the California State University through coursework in three areas.

- US-1: Historical Development of American institutions and ideals
- US-2: U.S. Constitution and government
- US-3: California state and local government

This requirement may be met before or after transfer to CSU; however, students are advised to meet this requirement prior to transfer and while completing the CSU General Education certification. If a course is approved for more than one U.S. Area below, a student may use the course to satisfy all areas listed. US-1 may be completed with a score of 3 or higher on Advanced Placement U.S. History. US-2 (but not US-3) may be completed with a score of 3 or higher on Advanced Placement U.S. Government and Politics.

At Delta College, qualifications of these courses to fulfill the United States History, Constitution, and American Ideals requirement is restricted to the following combinations:

- HIST 17A and one of the following: HIST 27, HIST 30B, HIST 34, POLS C1000, POLS 4 **OR**
- POLS C1000 and one of the following: HIST 17A, HIST 17B, HIST 27, HIST 30A, HIST 30B, HIST 31, HIST 34

Courses that meet the CSU American Institutions requirement may also be used to satisfy CSU-GE Area D requirements.

### Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement

This certificate is designed for the student who intends to transfer to the California State University (CSU) System or the University of California (UC) System and chooses to complete IGETC to satisfy lower division general education requirements. Completion and certification of the Intersegmental General Education Transfer Curriculum (IGETC) permits students to transfer from San Joaquin Delta College to a campus of the California State University or the University of California without the need to take additional courses after transfer to satisfy the lower division general education requirements. Many independent colleges and universities also accept the IGETC Pattern. Consult with a counselor or contact your transfer institution for further information. Courses in Areas

1A, 1B, 1C, and 2 must be completed with a grade of C or better. Although a course may be listed under more than one area, a course cannot be used to satisfy more than one general education area (with the noted exception of Area 6-UC Only).

### Program Learning Outcomes

Upon successful completion of this program, the student will have successfully completed all required IGETC lower division general education pattern coursework.

#### Area 1 - Communication

Complete 6-9 units with at least one course each from 1A - English Composition and 1B - Critical Thinking. Students transferring to CSU must also complete 1C - Oral Communication.

##### 1A: English Composition

- ENGL C1000 Academic Reading and Writing **Units: 3**
- ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

##### 1B: Critical Thinking

- ENGL 1B College Composition and Literature **Units: 3**
- ENGL C1001 Critical Thinking and Writing **Units: 3**

1C: Oral Communication - Students transferring to a UC do not have to meet the oral communication requirement.

Students transferring to CSU must complete the Oral Communication requirement for admission. Students using the IGETC pattern to satisfy the Associate Degree GE requirements must complete this Oral Communication Requirement.

- COMM C1000 Introduction to Public Speaking **Units: 3**

#### Area 2 - Mathematical Concepts and Quantitative Reasoning

Complete a minimum of 3 units.

- COMM 14 Statistical Analysis for Communication **Units: 3**
- LAW 26 Introductory Statistical Analysis for Law, Policy, and Justice Studies **Units: 4**
- MATH 1 Calculus I **Units: 5 +**
- MATH 2 Calculus II **Units: 4**
- MATH 3 Multivariable Calculus **Units: 4**
- MATH 4 Differential Equations **Units: 4**
- MATH 13 Survey of Calculus **Units: 4 +**
- MATH 20 Finite Mathematics **Units: 3**
- MATH 37 College Algebra **Units: 3**
- MATH 37EX College Algebra with Support **Units: 4**
- MATH 38A Precalculus I **Units: 4 ++**
- MATH 38B Precalculus II **Units: 4 ++**

## CERTIFICATES AND DEGREES BY AREA

- MATH 39 Precalculus **Units: 6 ++**
- PSYC 2 Statistical Methods for Psychology & Social Science **Units: 3**
- STAT C1000 Introduction to Statistics **Units: 4**
- STAT C1000E Introduction to Statistics Embedded Support **Units: 4.5**

### Area 3 - Arts and Humanities

Complete a minimum of 9 units with at least one course each from 3A - Arts, and 3B - Humanities.

#### 3A: Arts

- ART 1A Art History: Europe from Prehistory to 1400 **Units: 3**
- ART 1B Art History: Europe from the Fifteenth to the Twentieth Century **Units: 3**
- ART 1C Modern and Contemporary Art History **Units: 3**
- ART 2 Art History of the Non-Western World **Units: 3**
- ART 3 Art Appreciation **Units: 3 +**
- DANCE 29 Dance Appreciation **Units: 3**
- DANCE 32 Dance Cultures **Units: 3**
- DRAMA 10 Introduction to Theatre **Units: 3**
- DRAMA 16A History of Theatre: Primitive to the 18th Century **Units: 3**
- DRAMA 16B History of Theatre: 18th Century to Present **Units: 3**
- ENGL 30 The Film as Literature **Units: 3**
- MUSIC 1 Music Fundamentals **Units: 3 +**
- MUSIC 4 Exploring Music **Units: 3**
- MUSIC 7 Excursions in Music of Our World **Units: 3**
- MUSIC 8 Exploring Jazz, Ragtime, and Blues **Units: 3**

#### 3B: Humanities

- ANTHR /HUM 4 Introduction to Linguistics **Units: 3**
- CIVIL /HUM 3 Autobiography of Civilization **Units: 3**
- ENGL 35 Chicano Literature **Units: 3**
- ENGL 37 Women in Literature **Units: 3**
- ENGL 38 Mythology **Units: 3**
- ENGL 42A Survey of American Literature I **Units: 3**
- ENGL 42B Survey of American Literature II **Units: 3**
- ENGL 43C World Literature I **Units: 3**
- ENGL 43D World Literature II **Units: 3**
- ENGL 45 Introduction to Shakespeare **Units: 3**
- ENGL 46A Survey of British Literature I **Units: 3**
- ENGL 46B Survey of British Literature II **Units: 3**
- ENGL 52 From Story to Screen **Units: 3**
- ENGL 57 Children's Literature **Units: 3**
- ENGL 61 Hip Hop Poetics **Units: 3**

- ENGL 62A Race and Ethnicity in Literature **Units: 3**
- ENGL 62B Contemporary African American Literature **Units: 3**
- ENGL 62C Asian American Literature **Units: 3**
- ENGL 62D Indigenous American Literature **Units: 3**
- ENGL 62E Introduction to Latino/a Literature **Units: 3**
- FREN 3 Intermediate French I **Units: 4 ^**
- FREN 4 Intermediate French II **Units: 4 ^**
- HIST 2A World History to 1600 **Units: 3**
- HIST 2B World History Since 1600 **Units: 3**
- HIST 4A History of Western Civilization **Units: 3**
- HIST 4B History of Western Civilization **Units: 3**
- HIST 6A History of Asian Civilizations **Units: 3**
- HIST 6C History of the Middle East **Units: 3**
- HIST 7 History Through Film **Units: 3**
- HIST 17A History of the United States **Units: 3 \*\***
- HIST 17B History of the United States **Units: 3 \*\***
- HIST 27 Women in History **Units: 3 \*\***
- HIST 30A African-American History to 1877 **Units: 3 \*\***
- HIST 30B African-American History Since 1877 **Units: 3 \*\***
- HIST 31 Mexican-American History **Units: 3 \*\***
- HIST 34 Asian Pacific American History **Units: 3**
- HIST 37 California History **Units: 3**
- HUM /CIVIL 3 Autobiography of Civilization **Units: 3**
- HUM /ANTHR 4 Introduction to Linguistics **Units: 3**
- PHILO 6 Introduction to Philosophy **Units: 3**
- PHILO 40 Ethics **Units: 3**
- PHILO 45 Philosophy of Religion **Units: 3**
- PHILO 50 Asian Philosophy **Units: 3**
- RELGN 14A Great Religions of the Eastern World **Units: 3**
- RELGN 14B Great Religions of the Western World **Units: 3**
- SL 3 Intermediate American Sign Language I **Units: 4 ^**
- SL 4 Intermediate American Sign Language II **Units: 4 ^**
- SPAN 3 Intermediate Spanish I **Units: 4 ^**
- SPAN 3A Spanish for Spanish Speakers I **Units: 4 ^**
- SPAN 4 Intermediate Spanish II **Units: 4 ^**
- SPAN 5 Advanced Spanish Introduction to Literature I **Units: 3 ^**
- SPAN 6 Advanced Spanish Introduction to Literature II **Units: 3 ^**
- SPAN 20 Introduction to Chicana/o and Latina/o Studies through Literature **Units: 5**

### Area 4 - Social and Behavioral Sciences

## CERTIFICATES AND DEGREES BY AREA

Complete a minimum of 6 units from at least two disciplines.

- ANTHR 1 Cultural Anthropology **Units: 3**
- ANTHR 10 Introduction to Archaeology **Units: 3**
- BIOL /PSYC 30 Human Sexuality **Units: 3**
- BUS 8 Introduction to Law and Society **Units: 3**
- BUS 26 Economics of Business **Units: 3**
- COMM 7 Intercultural Communication **Units: 3**
- ECE 21 Child and Adolescent Development **Units: 3 +**
- ECON 3 Principles of Microeconomics **Units: 3**
- ECON 5 Principles of Macroeconomics **Units: 3**
- ETHNS 30 Introduction to Ethnic Studies **Units: 3**
- ETHNS 33 Introduction to Native American Studies **Units: 3**
- ETHNS 34 Introduction to Chicana/Chicano Studies **Units: 3**
- ETHNS 35 Introduction to Black/African American Studies **Units: 3**
- ETHNS 36 Introduction to Asian American Studies **Units: 3**
- GEOG 2 Human Geography **Units: 3**
- GEOG 10 World Regional Geography **Units: 3**
- LAW 16 Introduction to Social Justice: Law and Social Change **Units: 3**
- PETHEORY 41 Sport in Society **Units: 3**
- PETHEORY 49 Psychology of Fitness and Sport Performance **Units: 3**
- POLS C1000 American Government and Politics **Units: 3 \*\***
- POLS 2 Introduction to Comparative Politics **Units: 3**
- POLS 3 Introduction to Political Theory **Units: 3**
- POLS 4 California Politics **Units: 3**
- POLS 5 International Relations **Units: 3**
- POLS 6 International Political Economy **Units: 3**
- PSYC C1000 Introduction to Psychology **Units: 3**
- PSYC 3 Personal and Social Psychology **Units: 3**
- PSYC 4 Introduction to Research Methods in Psychology **Units: 3**
- PSYC /BIOL 30 Human Sexuality **Units: 3**
- SOCIO 1A Introduction to Sociology **Units: 3**
- SOCIO 1B Social Problems **Units: 3**
- SOCIO 27 Introduction to Gender **Units: 3**
- SOCIO 33 Introduction to Race and Ethnicity **Units: 3**

### Area 5 Physical And Biological Sciences

Complete a minimum of 7 units with at least one course each from 5A - Physical Science, and 5B - Biological Science. At least one course must include a laboratory component as indicated in Area 5C - Science Laboratory. Asterisk (\*) indicates a Lab course.

### 5A: Physical Science

Asterisk (\*) indicates a laboratory.

- ASTRO 1 Introductory Astronomy **Units: 3**
- ASTRO 1L Astronomy Laboratory **Units: 1 \***
- ASTRO 11 Astronomy of the Solar System **Units: 4 \***
- ASTRO 12 Astronomy: Stars, Galaxies, and the Universe **Units: 4 \***
- CHEM 1A General Chemistry **Units: 5 \***
- CHEM 1B General Chemistry **Units: 5 \***
- CHEM 3A Introduction to Chemistry **Units: 4 \*+**
- CHEM 10 Exploring Everyday Chemistry **Units: 3**
- CHEM 12A Organic Chemistry **Units: 5 \*#**
- CHEM 12B Organic Chemistry **Units: 5 \***
- GEOG 1 Physical Geography **Units: 3**
- GEOG 1L Physical Geography Laboratory **Units: 1 \***
- GEOL 1A Physical Geology w/Lab **Units: 4 \***
- GEOL 1B Historical Geology w/Lab **Units: 4 \***
- GEOL 2 Introduction to Environmental Science **Units: 3**
- GEOL 5 Earth Science **Units: 3**
- GEOL 5A Earth Science with Laboratory **Units: 4 \***
- GEOL 15 Environmental Geology **Units: 3**
- GEOL 16 Oceanography **Units: 3**
- PHSCI 1 Conceptual Physical Science **Units: 3 +**
- PHYS 2A General Physics **Units: 4 \*+**
- PHYS 4A Principles of Physics: Mechanics **Units: 4 \*+**
- PHYS 10 Introduction to Physics **Units: 4 \*+**
- PLANT 14 Soil Science **Units: 4 \***

### 5B: Biological Science

- ANTHR 2 Biological Anthropology **Units: 3**
- ANTHR 2L Biological Anthropology Laboratory **Units: 1 \***
- BIOL 1 Cell and Molecular Biology **Units: 4 \***
- BIOL 2 Zoology/Animal Diversity and Evolution **Units: 5 \***
- BIOL 3 Plant Diversity and Ecology **Units: 4 \***
- BIOL 10 Survey of Biology **Units: 4 \*+**
- BIOL 11 Human Biology **Units: 4 \***
- BIOL 23 General Microbiology **Units: 5 \*+**
- BIOL 31 Human Anatomy **Units: 4**
- BIOL 32 Human Physiology **Units: 5 \*+**
- BIOL 33 Anatomy & Physiology **Units: 6 \*+**
- PLANT 10 Principles of Plant Science **Units: 3**
- PLANT 10L Principles of Plant Science Laboratory **Units: 1 \***
- PSYC 5 Introduction to Biological Psychology **Units: 4 \***

## CERTIFICATES AND DEGREES BY AREA

### 5C: Science Laboratory

This requirement will be satisfied by completion of any laboratory course in Area 5A or 5B. Laboratory courses are indicated with an asterisk (\*).

### Area 6 (UC ONLY) - Language Other Than English (LOTE)

Proficiency equivalent to two years of high school study in the same language. The following course(s) fulfill this UC requirement. See additional ways to satisfy the LOTE Area 6 requirement in the Notes area at the bottom of the page.

- FREN 2 Elementary French II **Units: 4**
- FREN 3 Intermediate French I **Units: 4** ^
- FREN 4 Intermediate French II **Units: 4** ^
- GERM 1 Elementary German I **Units: 5**
- GERM 2 Elementary German II **Units: 5**
- ITAL 1 Elementary Italian I **Units: 4**
- ITAL 2 Elementary Italian II **Units: 4**
- JAPAN 2 Elementary Japanese II **Units: 4**
- SL 2 Elementary American Sign Language II **Units: 4**
- SL 3 Intermediate American Sign Language I **Units: 4** ^
- SL 4 Intermediate American Sign Language II **Units: 4** ^
- SPAN 2 Elementary Spanish II **Units: 4**
- SPAN 3 Intermediate Spanish I **Units: 4** ^
- SPAN 3A Spanish for Spanish Speakers I **Units: 4** ^
- SPAN 4 Intermediate Spanish II **Units: 4** ^
- SPAN 4A Spanish for Spanish Speakers II **Units: 4**
- SPAN 5 Advanced Spanish Introduction to Literature I **Units: 3** ^
- SPAN 6 Advanced Spanish Introduction to Literature II **Units: 3** ^

### Area 7 Ethnic Studies

Complete a minimum of 3 semester units.

- ETHNS 33 Introduction to Native American Studies **Units: 3**
- ETHNS 34 Introduction to Chicana/Chicano Studies **Units: 3**
- ETHNS 35 Introduction to Black/African American Studies **Units: 3**
- ETHNS 36 Introduction to Asian American Studies **Units: 3**

### Minimum Units Required: 34-37

#### Notice to Students

Courses used to satisfy this certificate must have been IGETC approved during the semester in which the course was completed. For a complete listing of courses and approval dates log on to [www.assist.org](http://www.assist.org) or see a counselor or evaluator for a list of course approval dates.

IGETC may not be the best choice to satisfy general education requirements for majors that require extensive lower division major preparation. See a counselor or consult [admission.universityofcalifornia.edu](http://admission.universityofcalifornia.edu) or [www.assist.org](http://www.assist.org) for additional IGETC considerations.

#### NOTES:

^ Courses listed in multiple areas shall not be certified in more than one area except for courses in Languages Other Than English (LOTE), which can be certified in both Area 3 and Area 6.

\* Indicates laboratory course

\*\* CSU and UC Systems have an American Institutions (AI) graduation requirement that is not part of the IGETC pattern and is not required for IGETC Certification. It is recommended that students complete this requirement prior to transfer. Students using the IGETC pattern for transfer to a UC campus may have satisfied the American Institutions graduation requirement through high school coursework. Satisfactory completion in high school of a one-year course in U.S. History, or a half-year course in U.S. History and a half-year course in American Government combined, satisfies this requirement at all UC campuses except UC Santa Barbara, which requires a college level course. UCLA requires that the student must have earned a "B" average in these high school courses. Students who did not satisfy the AI requirement through high school coursework may do so by taking any course indicated by \*\* on the IGETC Pattern. Students must take an additional course in the same IGETC area as the AI requirement to satisfy the area general education requirement. It is highly recommended that you consult a Counselor to ensure successful transfer.

Students using the IGETC pattern to transfer to a CSU campus to satisfy the AI graduation requirement may complete one of the two options below.

Option 1: HIST 17A AND one of HIST 27, 30B, 34, POLSC 1

Option 2: POLSC 1 AND one of HIST 17A, 17B, 27, 30A, 30B, 31, 34(F16)

CSU campuses have the discretion whether to allow courses used to satisfy the CSU AI graduation requirement to count in both Areas 3B/4.

+ Transfer credit may be limited by UC. Students should consult counselor or visit [www.assist.org](http://www.assist.org) for additional information.

++ Math 38A, 38B, and 39 combined: Maximum credit, 5 units.

# CHEM 3B and CHEM 12A combined: Maximum credit, one course

#### Additional Ways to Meet LOTE Area 6 Requirement

- Completion of two years of the same foreign language in high school level work with a grade of "C" or better.

## CERTIFICATES AND DEGREES BY AREA

- SAT II: Subject Tests in languages other than English with minimum scores as indicated below: Before May 1995 use 1st score; if taken after May 1995 use 2nd score.
- Advanced Placement (AP) examinations in languages other than English with a score of 3 or higher.
- International Baccalaureate Higher Level (IBHL) examinations in languages other than English with a score of 5 or higher.
- (International) General Certificate of Secondary Education [(I)GCSE]/General Certificate of Education.
- (GCE) "O" level exams in languages other than English with a grade of "A", "B", or "C."
- General Certificate of Education (GCE) "A" Level exams in languages other than English with a grade of "A", "B" or "C."
- Satisfactory completion of an achievement test administered by a community college, university, or other college in a language other than English. The test will have to assess the student's proficiency at the level equivalent to two years of high school language. This conclusion must be posted on a transcript indicating unit, course title and grade or on a document with letterhead of the institution granting proficiency stating that the student has mastered proficiency in the language equivalent to two years of high school language. If an achievement test is not available, a faculty member associated with a United States regionally accredited institution of higher education can verify a student's competency. The institution must provide a document on letterhead asserting that the student has mastered proficiency in the language equivalent to two years/second level of high school instruction. (See IGETC Standards Section 11.6 for a sample. This sample must be printed on college/university letterhead.)
  - Seventh and Eighth Grade Courses: High school-level courses in languages other than English completed (in junior high/middle school) during 7th and/or 8th grades, with letter grades of at least "C-" may be used (see Section 9.3/10.6.2d). This may be done by including the names of and grades for these courses on the student's transcript, or by stating their equivalency on the transcript. The 7th and 8th grade courses may also be validated if the student completes one semester or more of the same language in the high school at a higher level.
  - In an institution where the language of instruction is not English, formal schooling through the sixth grade level or higher. Appropriate documentation must be presented to substantiate the language of instruction. If an official sealed transcript cannot be obtained

from an international institution, an unofficial or opened transcript may be used.

- More advanced language courses that focus on culture and otherwise satisfy the specifications of the humanities can also be used to satisfy an Area 3B (Humanities) requirement and clear IGETC Area 6A, Language Other Than English (LOTE).

### San Joaquin Delta College Associate Degree General Education Pattern

The Chancellor's Office for the California Community Colleges deems that the governing board of community colleges shall establish a general education program which symbolizes a successful attempt on the part of the college to lead students through patterns of learning experiences designed to develop certain capabilities and insights.

Among these are the ability to think and to communicate clearly and effectively both orally and in writing; to use mathematics; to understand the modes of inquiry of the major disciplines; to be aware of other cultures and times; to achieve insight gained through experience in thinking about ethical problems; and to develop the capacity for self-understanding. In addition to these accomplishments, the student shall possess sufficient depth in one field of knowledge to contribute to lifetime interest.

General education is designed to introduce students to the variety of means through which people comprehend the modern world. It reflects the conviction of colleges that those who receive their degrees must possess in common certain basic principles, concepts and methodologies both unique to and shared by the various disciplines. College educated persons must be able to use this knowledge when evaluating and appreciating the physical environment, the culture and the society in which they live.

Each candidate for San Joaquin Delta College's Associate in Arts degree or Associate in Science degree shall:

1. Complete a minimum of twenty-seven (27) semester units of general education coursework as indicated in categories I through VII below with a cumulative grade point average of 2.0 or higher.
2. Complete courses in satisfaction of Area 1, Language and Rationality, and Area 7, Ethnic Studies, with a grade of "C" or better in each course.
3. Complete a minimum of eighteen (18) semester units in a major or area of emphasis with a grade of "C" or better in each course.
4. Complete a minimum of sixty (60) degree applicable units with a cumulative grade point average of 2.0 or higher.

A course may be used to satisfy both a general education requirement and a major or area of emphasis requirement. Although a course may be

## CERTIFICATES AND DEGREES BY AREA

listed under more than one area, a course cannot be used to satisfy more than one general education area. Students planning to transfer should see a counselor for assistance in determining if the CSU-GE or IGETC general education pattern might be more appropriate for their selected major.

### Program Learning Outcomes

1. Language and Rationality
  - A. English Composition  
Students will demonstrate clear and precise written expression and critical evaluation of communication in the English language.
  - B. Mathematics  
Students will demonstrate the ability to use mathematical concepts and principles in real-world contexts.
  - C. Oral Communication  
Students will demonstrate clear and precise oral expression and critical evaluation of communication in the English language.
2. Natural Sciences  
Students will demonstrate an understanding of the scientific method and the relationship between science and human activities.
3. Humanities  
Students will recognize the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them in artistic and cultural forms.
4. American Institutions  
Students will demonstrate an understanding of the historical development of American institutions and ideals, the Constitution, and the representative forms of government that exist at the national, state and local level.
5. Social and Behavioral Science  
Students will demonstrate knowledge of the modes of inquiry and theories that are used to think critically about the ways people act and have acted in response to their societies.
6. Lifelong Learning and Self-Development  
Students will demonstrate individual competencies and personal responsibility through exploration and analysis of their role in society.
7. Ethnic Studies  
Students will demonstrate a critical analysis and understanding of the cultural, economic, political, and social experiences of Native Americans, Chicana/o and Latina/o Americans, Black/African Americans, and/or Asian Americans in the United States.

### Area 1 - Language and Rationality

Complete 9 units with at least one course each from 1A-English Composition, 1B-Mathematics, and 1C-Oral Communication. Courses in this area must be completed with a grade of "C" or better.

### 1A: English Composition

- ENGL C1000 Academic Reading and Writing **Units: 3**
- ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

### 1B: Mathematics

- BUS 67 Introduction to Personal Finance **Units: 3**
- COMM 14 Statistical Analysis for Communication **Units: 3**
- LAW 26 Introductory Statistical Analysis for Law, Policy, and Justice Studies **Units: 4**
- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**
- MATH 3 Multivariable Calculus **Units: 4**
- MATH 4 Differential Equations **Units: 4**
- MATH 5 Linear Algebra **Units: 4**
- MATH 13 Survey of Calculus **Units: 4**
- MATH 17A Concepts and Structures of Mathematics **Units: 3**
- MATH 20 Finite Mathematics **Units: 3**
- MATH 37 College Algebra **Units: 3**
- MATH 37EX College Algebra with Support **Units: 4**
- MATH 38A Precalculus I **Units: 4**
- MATH 38AEX Precalculus I with Support **Units: 6**
- MATH 38B Precalculus II **Units: 4**
- MATH 38BEX Precalculus II with Support **Units: 4.5**
- MATH 39 Precalculus **Units: 6**
- PSYC 2 Statistical Methods for Psychology & Social Science **Units: 3**
- STAT C1000 Introduction to Statistics **Units: 4**
- STAT C1000E Introduction to Statistics Embedded Support **Units: 4.5**

### 1C: Oral Communication

- COMM C1000 Introduction to Public Speaking **Units: 3**
- COMM 8 Small Group Communication **Units: 3**

### Area 2 - Natural Sciences

Complete a minimum of 3 units.

- ANTHR 2 Biological Anthropology **Units: 3**
- ASCI 10 Principles of Animal Science **Units: 3**
- ASTRO 1 Introductory Astronomy **Units: 3**
- ASTRO 11 Astronomy of the Solar System **Units: 4**
- ASTRO 12 Astronomy: Stars, Galaxies, and the Universe **Units: 4**
- BIOL 1 Cell and Molecular Biology **Units: 4**
- BIOL 2 Zoology/Animal Diversity and Evolution **Units: 5**
- BIOL 3 Plant Diversity and Ecology **Units: 4**
- BIOL 10 Survey of Biology **Units: 4**

## CERTIFICATES AND DEGREES BY AREA

- BIOL 11 Human Biology **Units: 4**
- BIOL 23 General Microbiology **Units: 5**
- BIOL 31 Human Anatomy **Units: 4**
- BIOL 32 Human Physiology **Units: 5**
- BIOL 33 Anatomy & Physiology **Units: 6**
- CHEM 1A General Chemistry **Units: 5**
- CHEM 1B General Chemistry **Units: 5**
- CHEM 3A Introduction to Chemistry **Units: 4**
- CHEM 10 Exploring Everyday Chemistry **Units: 3**
- CHEM 12A Organic Chemistry **Units: 5**
- CHEM 12B Organic Chemistry **Units: 5**
- FCS 6 Nutrition **Units: 3**
- GEOG 1 Physical Geography **Units: 3**
- GEOL 1A Physical Geology w/Lab **Units: 4**
- GEOL 1B Historical Geology w/Lab **Units: 4**
- GEOL 2 Introduction to Environmental Science **Units: 3**
- GEOL 5 Earth Science **Units: 3**
- GEOL 5A Earth Science with Laboratory **Units: 4**
- GEOL 15 Environmental Geology **Units: 3**
- GEOL 16 Oceanography **Units: 3**
- N R 2 Environmental Science **Units: 3**
- PHSCI 1 Conceptual Physical Science **Units: 3**
- PHYSC 2A General Physics **Units: 4**
- PHYSC 4A Principles of Physics: Mechanics **Units: 4**
- PHYSC 10 Introduction to Physics **Units: 4**
- PLANT 10 Principles of Plant Science **Units: 3**
- PLANT 14 Soil Science **Units: 4**
- PSYC 5 Introduction to Biological Psychology **Units: 4**

### Area 3 - Humanities

Complete a minimum of 3 units.

- ANTHR /HUM 4 Introduction to Linguistics **Units: 3**
- ART 1A Art History: Europe from Prehistory to 1400 **Units: 3**
- ART 1B Art History: Europe from the Fifteenth to the Twentieth Century **Units: 3**
- ART 1C Modern and Contemporary Art History **Units: 3**
- ART 2 Art History of the Non-Western World **Units: 3**
- ART 3 Art Appreciation **Units: 3**
- ART 6 2D Design and Color **Units: 3**
- ART 7A Painting I **Units: 3**
- ART 12 3-D Design **Units: 3**
- ART 20A Sculpture I **Units: 3**
- ART 33A Beginning Drawing **Units: 3**
- ART 40A Printmaking I **Units: 3**
- ART 64A Ceramics I **Units: 3**
- CHIN 1 Elementary Chinese I **Units: 5**
- CIVIL /HUM 3 Autobiography of Civilization **Units: 3**

- COMM 2 Oral Interpretation of Literature **Units: 3**
- COMM 13 Readers Theater **Units: 3**
- CUL ART 16 Gastronomies of the World **Units: 3**
- DANCE 29 Dance Appreciation **Units: 3**
- DANCE 32 Dance Cultures **Units: 3**
- DANCE 35A Afro-Caribbean Dance I **Units: 3**
- DANCE 37A West African Dance I **Units: 2**
- DRAMA 10 Introduction to Theatre **Units: 3**
- DRAMA 16A History of Theatre: Primitive to the 18th Century **Units: 3**
- DRAMA 16B History of Theatre: 18th Century to Present **Units: 3**
- DRAMA 31 Acting I: Introduction to Acting **Units: 3**
- ENGL 30 The Film as Literature **Units: 3**
- ENGL 35 Chicano Literature **Units: 3**
- ENGL 37 Women in Literature **Units: 3**
- ENGL 38 Mythology **Units: 3**
- ENGL 42A Survey of American Literature I **Units: 3**
- ENGL 42B Survey of American Literature II **Units: 3**
- ENGL 43C World Literature I **Units: 3**
- ENGL 43D World Literature II **Units: 3**
- ENGL 45 Introduction to Shakespeare **Units: 3**
- ENGL 46A Survey of British Literature I **Units: 3**
- ENGL 46B Survey of British Literature II **Units: 3**
- ENGL 49A Introduction to Creative Writing **Units: 3**
- ENGL 49C Creative Writing: Poetry **Units: 3**
- ENGL 49D Creative Writing: Play and Screen Writing **Units: 3**
- ENGL 52 From Story to Screen **Units: 3**
- ENGL 57 Children's Literature **Units: 3**
- ENGL 61 Hip Hop Poetics **Units: 3**
- ENGL 62A Race and Ethnicity in Literature **Units: 3**
- ENGL 62B Contemporary African American Literature **Units: 3**
- ENGL 62C Asian American Literature **Units: 3**
- ENGL 62D Indigenous American Literature **Units: 3**
- ENGL 62E Introduction to Latino/a Literature **Units: 3**
- FASHION 8 History of Fashion to the Twentieth Century **Units: 3**
- FASHION 9 History of Fashion from the Twentieth Century to Present **Units: 3**
- FASHION 10 Clothing and Culture **Units: 3**
- FREN 1 Elementary French I **Units: 4**
- FREN 2 Elementary French II **Units: 4**
- FREN 3 Intermediate French I **Units: 4**
- FREN 4 Intermediate French II **Units: 4**
- GERM 1 Elementary German I **Units: 5**
- GERM 2 Elementary German II **Units: 5**
- HIST 2A World History to 1600 **Units: 3**
- HIST 2B World History Since 1600 **Units: 3**

## CERTIFICATES AND DEGREES BY AREA

- HIST 4A History of Western Civilization **Units: 3**
- HIST 4B History of Western Civilization **Units: 3**
- HIST 6A History of Asian Civilizations **Units: 3**
- HIST 6C History of the Middle East **Units: 3**
- HIST 7 History Through Film **Units: 3**
- HIST 17A History of the United States **Units: 3**
- HIST 17B History of the United States **Units: 3**
- HIST 27 Women in History **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- HIST 34 Asian Pacific American History **Units: 3**
- HIST 37 California History **Units: 3**
- HORT 4 History of Garden Design **Units: 3**
- HUM /CIVIL 3 Autobiography of Civilization **Units: 3**
- HUM /ANTHR 4 Introduction to Linguistics **Units: 3**
- ID 8 History of Interior Design and Furniture I **Units: 3**
- ITAL 1 Elementary Italian I **Units: 4**
- ITAL 2 Elementary Italian II **Units: 4**
- JAPAN 1 Elementary Japanese I **Units: 4**
- JAPAN 2 Elementary Japanese II **Units: 4**
- MUSIC 1 Music Fundamentals **Units: 3**
- MUSIC 4 Exploring Music **Units: 3**
- MUSIC 7 Excursions in Music of Our World **Units: 3**
- MUSIC 8 Exploring Jazz, Ragtime, and Blues **Units: 3**
- PHILO 6 Introduction to Philosophy **Units: 3**
- PHILO 40 Ethics **Units: 3**
- PHILO 45 Philosophy of Religion **Units: 3**
- PHILO 50 Asian Philosophy **Units: 3**
- PHOTO 1A Introduction to Photography **Units: 3**
- RELGN 14A Great Religions of the Eastern World **Units: 3**
- RELGN 14B Great Religions of the Western World **Units: 3**
- SL 1 Elementary American Sign Language I **Units: 4**
- SL 2 Elementary American Sign Language II **Units: 4**
- SL 3 Intermediate American Sign Language I **Units: 4**
- SL 4 Intermediate American Sign Language II **Units: 4**
- SPAN 1 Elementary Spanish I **Units: 4**
- SPAN 2 Elementary Spanish II **Units: 4**
- SPAN 3 Intermediate Spanish I **Units: 4**
- SPAN 3A Spanish for Spanish Speakers I **Units: 4**
- SPAN 4 Intermediate Spanish II **Units: 4**
- SPAN 4A Spanish for Spanish Speakers II **Units: 4**

- SPAN 5 Advanced Spanish Introduction to Literature I **Units: 3**
- SPAN 6 Advanced Spanish Introduction to Literature II **Units: 3**
- SPAN 20 Introduction to Chicana/o and Latina/o Studies through Literature **Units: 5**

### Area 4 - American Institutions

Complete a minimum of 3 units.

- HIST 17A History of the United States **Units: 3**
- HIST 17B History of the United States **Units: 3**
- HIST 27 Women in History **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- HIST 34 Asian Pacific American History **Units: 3**
- POLS C1000 American Government and Politics **Units: 3**
- POLS 4 California Politics **Units: 3**

### Area 5 - Social and Behavioral Science

Complete a minimum of 3 units.

- AGBUS 12 Agricultural Economics **Units: 3**
- AJ 21 Criminal Justice in Society **Units: 3**
- ANTHR 1 Cultural Anthropology **Units: 3**
- ANTHR 10 Introduction to Archaeology **Units: 3**
- BIOL /PSYC 30 Human Sexuality **Units: 3**
- BUS 8 Introduction to Law and Society **Units: 3**
- BUS 8H Honors Introduction to Law and Society **Units: 3**
- BUS 26 Economics of Business **Units: 3**
- BUS 32 Managing Diversity and Inclusion **Units: 3**
- COMM 7 Intercultural Communication **Units: 3**
- COMM 11 Intracultural Communication **Units: 3**
- ECE 21 Child and Adolescent Development **Units: 3**
- ECE 26 Child, Family, and Community **Units: 3**
- ECON 3 Principles of Microeconomics **Units: 3**
- ECON 5 Principles of Macroeconomics **Units: 3**
- ETHNS 30 Introduction to Ethnic Studies **Units: 3**
- ETHNS 33 Introduction to Native American Studies **Units: 3**
- ETHNS 34 Introduction to Chicana/Chicano Studies **Units: 3**
- ETHNS 35 Introduction to Black/African American Studies **Units: 3**
- ETHNS 36 Introduction to Asian American Studies **Units: 3**
- GEOG 2 Human Geography **Units: 3**
- GEOG 3 Geography of California **Units: 3**
- GEOG 10 World Regional Geography **Units: 3**

## CERTIFICATES AND DEGREES BY AREA

- HIST 2A World History to 1600 **Units: 3**
- HIST 2B World History Since 1600 **Units: 3**
- HIST 4A History of Western Civilization **Units: 3**
- HIST 4B History of Western Civilization **Units: 3**
- HIST 6A History of Asian Civilizations **Units: 3**
- HIST 6C History of the Middle East **Units: 3**
- HIST 17A History of the United States **Units: 3**
- HIST 17B History of the United States **Units: 3**
- HIST 27 Women in History **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- HIST 34 Asian Pacific American History **Units: 3**
- HIST 37 California History **Units: 3**
- LAW 16 Introduction to Social Justice: Law and Social Change **Units: 3**
- PETHEORY 41 Sport in Society **Units: 3**
- PETHEORY 49 Psychology of Fitness and Sport Performance **Units: 3**
- POLS C1000 American Government and Politics **Units: 3**
- POLS 2 Introduction to Comparative Politics **Units: 3**
- POLS 3 Introduction to Political Theory **Units: 3**
- POLS 4 California Politics **Units: 3**
- POLS 5 International Relations **Units: 3**
- POLS 6 International Political Economy **Units: 3**
- PSYC C1000 Introduction to Psychology **Units: 3**
- PSYC 3 Personal and Social Psychology **Units: 3**
- PSYC 4 Introduction to Research Methods in Psychology **Units: 3**
- PSYC /BIOL 30 Human Sexuality **Units: 3**
- SOCIO 1A Introduction to Sociology **Units: 3**
- SOCIO 1B Social Problems **Units: 3**
- SOCIO 5 Sociology of the Family **Units: 3**
- SOCIO 27 Introduction to Gender **Units: 3**
- SOCIO 33 Introduction to Race and Ethnicity **Units: 3**

### Area 6 - Lifelong Learning and Self-Development

Complete a minimum of 3 units.

Veterans or reservists who submit a DD214 verifying discharge under honorable conditions or active duty military personnel who submit an official document (e.g., Joint Services Transcript) verifying completion of basic military training will clear Area 6 and receive three units of general education credit.

- AJ 21 Criminal Justice in Society **Units: 3**
- ANTHR /HUM 4 Introduction to Linguistics **Units: 3**
- BIOL /PSYC 30 Human Sexuality **Units: 3**
- BUS 8 Introduction to Law and Society **Units: 3**

- BUS 20 Introduction to Business **Units: 3**
- COMM 3 Interpersonal Communication **Units: 3**
- COMM 7 Intercultural Communication **Units: 3**
- COMM 12 Introduction to Persuasion **Units: 3**
- COUN 8 Education and Interpersonal Growth **Units: 3**
- CS 11 Fundamentals of Computer Science **Units: 3**
- ECE 21 Child and Adolescent Development **Units: 3**
- ECE 26 Child, Family, and Community **Units: 3**
- EDUC 10 Introduction to Education **Units: 3**
- FCS 2 Life Management **Units: 3**
- FCS 3 Personal and Family Finance **Units: 3**
- FCS 6 Nutrition **Units: 3**
- FCS /H S 19 Human Development **Units: 3**
- FCS 23 Marriage and the Family **Units: 3**
- H ED 1 Health Education **Units: 3**
- H ED 30 Community First Aid and Safety **Units: 2**
- H S /FCS 19 Human Development **Units: 3**
- HUM /ANTHR 4 Introduction to Linguistics **Units: 3**
- LIBRY 1 Library Information Literacy **Units: 1**
- LIBRY 2 Advanced Library Information Literacy **Units: 2**
- LIBRY 3 Information Competency **Units: 3**
- LIBRY 10 Information Research Skills **Units: 2**
- MCOM 1 Introduction to Mass Communication **Units: 3**
- PEACTION 1D Swim Training and Conditioning **Units: 0.5-1**
- PEACTION 8 Futsal 1 **Units: 1**
- PEACTION 12A Individual Conditioning I **Units: 1.5**
- PETHEORY 45 Women in Sport **Units: 3**
- PHILO 30 Introductory Logic **Units: 3**
- PHILO 40 Ethics **Units: 3**
- POLS 5 International Relations **Units: 3**
- PSYC 3 Personal and Social Psychology **Units: 3**
- PSYC /BIOL 30 Human Sexuality **Units: 3**
- SOCIO 1B Social Problems **Units: 3**
- SOCIO 5 Sociology of the Family **Units: 3**
- SOCIO 27 Introduction to Gender **Units: 3**
- SOCIO 33 Introduction to Race and Ethnicity **Units: 3**

### Area 7 - Ethnic Studies

Complete a minimum of 3 units. Courses in this area must be completed with a grade of "C" or better.

- ETHNS 33 Introduction to Native American Studies **Units: 3**
- ETHNS 34 Introduction to Chicana/Chicano Studies **Units: 3**

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- ETHNS 35 Introduction to Black/African American Studies **Units: 3**
- ETHNS 36 Introduction to Asian American Studies **Units: 3**

### Minimum Units Required: 27

#### Notice to Students

Selection of courses from this list may be affected by one or more factors, including choice of major, university transfer requirements, or prerequisite or sequencing requirements. Failure to plan appropriately WILL adversely affect timely graduation and/or transfer. Students are encouraged to consult with a counselor to develop an individualized education plan. Counseling appointments may be scheduled online by selecting "Counseling" under "Student Resources" on the Delta College web site, or by calling the Counseling and Special Services Division.

## Geology

### Geology, AS-T

Geology is the study of the Earth, its environments, and its history. It is an interdisciplinary science that combines geological observations and concepts with those of biology, chemistry, physics, and mathematics. Its goals are to study rocks, minerals, fossils, energy and water resources, and to understand geologic principles and processes that shape the Earth and its environments, and impact human society. The Associate in Science in Geology for Transfer degree is designed specifically for transfer in a similar major to the California State University System.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate preparation for transfer to the CSU and major in Geology or a related science.
2. Demonstrate basic scientific literacy in Geology and related disciplines.
3. Apply the scientific method to solve problems in Geology.
4. Integrate concepts from other disciplines (e.g., Mathematics, Chemistry) to solve problems in Geology.

#### Major Requirements - Core

Complete 27 units

- CHEM 1A General Chemistry **Units: 5**
- CHEM 1B General Chemistry **Units: 5**
- GEOL 1A Physical Geology w/Lab **Units: 4**
- GEOL 1B Historical Geology w/Lab **Units: 4**
- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**

### Minimum Major Units Required: 27

Complete all courses with a grade of "C" or better.

Recommended Preparation (not required for the degree)

- BIOL 1 Cell and Molecular Biology **Units: 4 \***
- PHYSC 4A Principles of Physics: Mechanics **Units: 4 \*\***
- PHYSC 4B Principles of Physics: Waves, Sound, and Thermodynamics **Units: 4 \*\***

Notes: See a counselor or consult [www.assist.org](http://www.assist.org) for requirements in the major at the CSU campus you wish to attend.

\*Many geology programs at the UC and CSU campuses require that the life-science requirement be general biology as it provides the foundation for teaching evolution in historical geology and/or paleontology.

\*\*Physics is universally required and calculus-based physics is always accepted in place of trigonometry-based physics.

#### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## Graphic Arts

### Graphic Arts, AA

The Associate in Arts degree in Graphic Arts prepares students for transfer or further study in the field of graphic design. Students receive hands-on instruction and training necessary for entry-level employment while completing a general education path of study. Coursework involves work that will allow for employment in the field of graphic design and layout. Specific job titles include but are not limited to the following: Computer Typesetter, Paste-Up Artist, Cartoonist, Graphic Layout and Design, Ad Artist, Computer Artist, Photo Restoration, Photo Manipulation, and Scanner Operator. Students will work in a manner that involves industry standards, leaving the program with a portfolio allowing them to pursue jobs immediately upon completion or continue their education.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

## CERTIFICATES AND DEGREES BY AREA

1. Demonstrate ability to create graphic designs and documents using electronic desktop publishing software, create artwork using digital design software, design World Wide Web pages, and design pre-press publications.
2. Demonstrate the skills required to complete project based documents using a graphic design software.
3. Demonstrate an understanding of graphic design concepts and principles.
4. Demonstrate proficient skills of Typography.

### Major Requirements - Core

Complete 18 units

- GRART 1A Digital Imaging I **Units: 3**
- GRART 2A Graphic Design and Layout I **Units: 3**
- GRART 3A Digital Illustration for Graphic Design I **Units: 3**
- GRART 4A Web Design I **Units: 3**
- GRART 6A Digital Design for Publication I **Units: 3**
- GRART 8 Typography I **Units: 3**

### Major Requirements - Restricted Electives

Complete 3 units selected from:

- GRART 1B Digital Imaging II **Units: 3**
- GRART 2B Graphic Design and Layout II **Units: 3**
- GRART 3B Digital Illustration for Graphic Design II **Units: 3**
- GRART 4B Web Design II **Units: 3**
- GRART 6B Digital Design for Publication II **Units: 3**

### Minimum Major Units Required: 21

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## Graphic Arts - Print Production Certificate of Achievement

The Graphic Arts with an Emphasis in Print Production certificate will provide students with knowledge of visual communication and graphic design principles and theory. Students will be introduced to computer graphics using various software applications and tools needed for college transfer or entry-level jobs in the graphic design industry. Coursework includes practical, hands-on training, and critical thinking. Students earning a certificate in Graphic Arts with an Emphasis in Print Production will explore topics such as original image creation, photographic editing, scanning, printing, layout, web design and typography. Career opportunities include, but are not limited to: Computer Typesetter, Paste-Up Artist, Cartoonist, Graphic Layout and Design, Ad Artist, Computer Artist, Photo Restoration, Photo Manipulation, Desktop Publishers and Scanner Operator.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to understand and apply graphic design concepts, principles and terminology.
2. Demonstrate the ability to complete project based documents using graphic design software.
3. Demonstrate, understand and apply typographic design rules and principles.
4. Demonstrate an increased awareness of the skills required for employment in the graphic design industry.
5. Demonstrate an ability to think critically and solve problems in visual communication.

### Core Requirements

Complete 15 units

- GRART 1A Digital Imaging I **Units: 3**
- GRART 2A Graphic Design and Layout I **Units: 3**
- GRART 3A Digital Illustration for Graphic Design I **Units: 3**
- GRART 6A Digital Design for Publication I **Units: 3**
- GRART 8 Typography I **Units: 3**

### Minimum Units Required: 15

Complete all courses with a grade of "C" or better.

## Graphic Arts Certificate of Achievement

Upon successful completion of the Certificate of Achievement in Graphic Arts, the student will demonstrate skills, knowledge, and training for entry-level employment in the field of graphic design and layout. Specific job titles include but are not limited to the following: Computer Typesetter, Paste-Up Artist, Cartoonist, Graphic Layout and Design, Ad Artist, Computer Artist, Photo Restoration, Photo Manipulation, and Scanner Operator. The student will demonstrate ability to create graphic designs and documents using electronic desktop publishing software, create artwork using digital design software, design World Wide Web pages, and design pre-press publications.

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### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the skills required to complete project based documents using a graphic design software.
2. Demonstrate an understanding of graphic design concepts and principles.
3. Demonstrate proficient skills of Typography.
4. Demonstrate ability to create graphic designs and documents using electronic desktop publishing software, create artwork using digital design software, design World Wide Web pages, and design pre-press publications.

### Core Requirements

Complete 24 units

- ART 6 2D Design and Color **Units: 3**
- ENGL C1000 Academic Reading and Writing **Units: 3**  
or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**
- GRART 1A Digital Imaging I **Units: 3**
- GRART 2A Graphic Design and Layout I **Units: 3**
- GRART 3A Digital Illustration for Graphic Design I **Units: 3**
- GRART 4A Web Design I **Units: 3**
- GRART 6A Digital Design for Publication I **Units: 3**
- GRART 8 Typography I **Units: 3**

### Restricted Electives

Area A

Complete 3 units selected from:

- CSW 23 Basic Website Design **Units: 3**
- GRART 1B Digital Imaging II **Units: 3**
- GRART 2B Graphic Design and Layout II **Units: 3**
- GRART 3B Digital Illustration for Graphic Design II **Units: 3**
- GRART 4B Web Design II **Units: 3**
- GRART 6B Digital Design for Publication II **Units: 3**

Area B

Complete 3 units selected from:

- BUS 23 Advertising **Units: 3**
- MCOM 10 Multimedia Storytelling **Units: 3**
- PHOTO 1A Introduction to Photography **Units: 3**

### Minimum Units Required: 30

Complete all courses with a grade of "C" or better.

### Digital Imaging Certificate of Completion

Upon successful completion of the noncredit Digital Imaging Certificate of Completion, the student will demonstrate skills, knowledge, and training for entry-level employment or career advancement in fields where image

creation, editing, and retouching are standard practice. Students will work to understand media management, while also learning basic techniques in digital imaging, including blending, masking, working with layers, and using filters. Emphasis will be on creation and curation of portfolio-ready pieces for employment.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate and apply processes related to the creation and manipulation of images.
2. Demonstrate knowledge of various basic photo editing techniques and effects as they relate to good design application.
3. Demonstrate industry-specific employability skills related to digital imaging.

### Core Requirements

Complete the courses listed below:

- GRART 101A Digital Imaging I **Units: 0**
- GRART 101B Digital Imaging II **Units: 0**

### Minimum Units Required: 0

Complete all courses with a grade of "P".

**Total Contact Hours: 180**

## Health Sciences

### Health Science, AS

The Associate in Science degree in Health Science provides students with a broad understanding of health related studies, health care systems, and health issues in a multicultural society. The degree also provides the student with a basic understanding of health-related studies, prepares students to work at many entry levels within the health care industry, and provides a foundation for public health, community health, health care administration, or occupational health and safety programs.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate basic understanding of health science research, health care systems, and health issues.
2. Integrate and utilize knowledge from multiple disciplines to solve problems.
3. Demonstrate critical thinking skills and the use of the scientific method.

### Major Requirements - Core

Complete 15 units

- BIOL 31 Human Anatomy **Units: 4**
- BIOL 32 Human Physiology **Units: 5**
- CS 11 Fundamentals of Computer Science **Units: 3**

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- H S 36 Medical Terminology and Speech  
**Units: 3**

### Major Requirements - Restricted Electives

#### Area A

Complete 4 units selected from:

- STAT C1000 Introduction to Statistics **Units: 4**  
Associate Degree Math Requirement **Credits / Units: 4**

#### Area B

Complete 6 units selected from:

- ECON 5 Principles of Macroeconomics **Units: 3**
- H S /FCS 19 Human Development **Units: 3**
- POLS C1000 American Government and Politics **Units: 3**
- PSYC C1000 Introduction to Psychology **Units: 3**
- SOCIO 1A Introduction to Sociology **Units: 3**

### Minimum Major Units Required: 25

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## Heating, Air Conditioning & Refrigeration

### Heating and Air Conditioning, Refrigeration, AS

Upon successful completion of the Heating and Air Conditioning - Refrigeration Associate in Science degree, the student demonstrates the skills, knowledge and training to service and repair heating and air conditioning equipment; ability to mechanically and electrically troubleshoot problems typically encountered in the industry; and completion of Environmental Protection Agency (EPA) refrigerant recovery exam for their certification.

### Program Learning Outcomes

1. Student will be able to communicate with customers in a professional manner.
2. Student will be able to design, install, service, maintain, and troubleshoot residential and commercial HVAC systems.

### Major Requirements - Core

Complete 28 units

- HVACR 70A Refrigeration and Air Conditioning **Units: 2.5**
- HVACR 70B Intermediate Refrigeration **Units: 2.5**
- HVACR 71A Air Conditioning Components and Circuits **Units: 6**
- HVACR 71B Air Conditioning Troubleshooting **Units: 6**
- HVACR 71C Air Conditioning Systems and Heat Pumps **Units: 6**
- HVACR 72A Introduction to Residential Gas Heating **Units: 2.5**
- HVACR 72B Commercial Gas Heating Devices **Units: 2.5**

### Major Requirements - Restricted Electives

#### Area A

Complete 4 units selected from:

- ELEC 30 Fundamentals of Electricity **Units: 5**
- ELECT 11 AC and DC Network Analysis **Units: 4**
- HVACR 71D Commercial Air Conditioning Design and Operation **Units: 6**

#### Area B

Complete 4 units selected from:

- WELDING 10 Basic Welding for the Trades **Units: 4**
- WELDING 98 Metal Trade Layout, Forming, and Fabrication **Units: 5**

### Minimum Major Units Required: 36

Complete all courses with a grade of "C" or better.

### General Education

Complete the following general education pattern:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 63

## Heating and Air Conditioning Certificate of Achievement

Upon successful completion of the Heating and Air Conditioning certificate, the student demonstrates the skills, knowledge and training to service and repair heating

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and air conditioning equipment. The student demonstrates his or her ability to mechanically and electrically troubleshoot problems typically encountered in the industry and to pass the Environmental Protection Agency (EPA) refrigerant recovery exam for their certification.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Design, install, service, maintain and troubleshoot residential and commercial HVAC systems.
2. Communicate with customers in a professional manner.

### Core Requirements

Complete 34 units

- HVACR 70A Refrigeration and Air Conditioning **Units: 2.5**
- HVACR 70B Intermediate Refrigeration **Units: 2.5**
- HVACR 71A Air Conditioning Components and Circuits **Units: 6**
- HVACR 71B Air Conditioning Troubleshooting **Units: 6**
- HVACR 71C Air Conditioning Systems and Heat Pumps **Units: 6**
- HVACR 72A Introduction to Residential Gas Heating **Units: 2.5**
- HVACR 72B Commercial Gas Heating Devices **Units: 2.5**
- INDUS 20 Industrial Safety and Health **Units: 3**
- INDUS 94 Industrial Mathematics and Algebra **Units: 3**  
or higher level mathematics course

### Restricted Electives

Area A

Complete 4 units selected from:

- ELEC 30 Fundamentals of Electricity **Units: 5**
- ELECT 11 AC and DC Network Analysis **Units: 4**
- HVACR 71D Commercial Air Conditioning Design and Operation **Units: 6**

Area B

Complete 4 units selected from:

- WELDING 10 Basic Welding for the Trades **Units: 4**
- WELDING 98 Metal Trade Layout, Forming, and Fabrication **Units: 5**

### Minimum Units Required: 42

Complete all courses with a grade of "C" or better.

### Refrigeration Certificate of Achievement

Upon successful completion of the Refrigeration certificate, the student demonstrates skills, knowledge, and training for employment in the refrigeration industry. The student demonstrates his or her ability to work in maintenance departments, cold storage facilities, school

districts, and for private contractors. The student demonstrates sufficient experience to recover, evacuate and charge simple refrigeration systems and pass an Environmental Protection Agency (EPA) test to work in the refrigeration industry.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Design, install, service, maintain and troubleshoot residential and commercial HVAC systems.
2. Communicate with customers in a professional manner.

### Core Requirements

Complete 22 units

- HVACR 70A Refrigeration and Air Conditioning **Units: 2.5**
- HVACR 70B Intermediate Refrigeration **Units: 2.5**
- HVACR 71A Air Conditioning Components and Circuits **Units: 6**
- HVACR 71B Air Conditioning Troubleshooting **Units: 6**
- HVACR 72A Introduction to Residential Gas Heating **Units: 2.5**
- HVACR 72B Commercial Gas Heating Devices **Units: 2.5**

### Restricted Electives

Area A

Complete 4 units selected from:

- ELEC 30 Fundamentals of Electricity **Units: 5**
- ELECT 11 AC and DC Network Analysis **Units: 4**
- HVACR 71C Air Conditioning Systems and Heat Pumps **Units: 6**

Area B

Complete 4 units selected from:

- WELDING 10 Basic Welding for the Trades **Units: 4**
- WELDING 98 Metal Trade Layout, Forming, and Fabrication **Units: 5**

### Minimum Units Required: 30

Complete all courses with a grade of "C" or better.

## History

### History, AA-T

The Associate in Arts for Transfer (AA-T) degree in History is designed specifically for students desiring to transfer to the CSU with a major in History. The student will develop a strong base of knowledge and skills that will serve as a foundation for further study of History. The skills developed in history courses include historical research and writing, the critical analysis of primary and secondary sources, the ability to differentiate between different

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historical interpretations of the same event, and the ability to communicate historical matter orally. Students are encouraged to see a counselor for assistance in developing an educational plan.

Students desiring to transfer outside of the CSU system should see a counselor to develop an educational plan that will identify the lower division major preparation and general education coursework that corresponds to the intended major and specific transfer institution. Students should consult [www.assist.org](http://www.assist.org) for current course articulation in their major.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate critical thinking and writing skills.
2. Demonstrate an understanding of the impact of race, class and sex on individuals' experience of historical events.
3. Demonstrate an understanding of the chronology of important historical events within the region and/or time period under study.
4. Demonstrate a strong base of research skills, including the ability to evaluate and properly use primary and secondary sources.
5. Demonstrate the ability to analyze a primary source.

### Major Requirements - Core

Complete 6 units

- HIST 17A History of the United States **Units: 3**
- HIST 17B History of the United States **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 6 units

- HIST 2A World History to 1600 **Units: 3**  
or HIST 4A History of Western Civilization **Units: 3**  
and
- HIST 2B World History Since 1600 **Units: 3**  
or HIST 4B History of Western Civilization **Units: 3**

Area B

Complete 3 units selected from:

- HIST 2A World History to 1600 **Units: 3**
- HIST 2B World History Since 1600 **Units: 3**
- HIST 6A History of Asian Civilizations **Units: 3**
- HIST 6C History of the Middle East **Units: 3**
- HIST 27 Women in History **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- HIST 34 Asian Pacific American History **Units: 3**

Area C

Complete 3 units selected from:

- ANTHR 1 Cultural Anthropology **Units: 3**
- GEOG 2 Human Geography **Units: 3**
- GEOG 10 World Regional Geography **Units: 3**
- HIST 4A History of Western Civilization **Units: 3**
- HIST 4B History of Western Civilization **Units: 3**
- HIST 7 History Through Film **Units: 3**
- HIST 37 California History **Units: 3**
- POLS C1000 American Government and Politics **Units: 3**
- POLS 3 Introduction to Political Theory **Units: 3**

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## History, AA

The Major in History is designed to develop a strong base of knowledge and skills that will serve as a foundation for further study of History. The skills developed in history courses include historical research and writing, the critical analysis of primary and secondary sources, the ability to differentiate between different historical interpretations of the same event, and the ability to communicate historical matter orally. The Associate in Arts in History degree requires completion of the AA-GE pattern (24 units), CSU-GE pattern (40 units), or the IGETC-CSU pattern (37 units). Students are encouraged to see a counselor for assistance in developing an educational plan that will identify the lower division major preparation and general education coursework that corresponds to the intended major and specific transfer institution. Students should consult [www.assist.org](http://www.assist.org) for current course articulation in their major.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate critical thinking and writing skills.
2. Demonstrate an understanding of the impact of race, class, sex, and ethnicity on individuals' experience of historical events.

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3. Demonstrate an understanding of the chronology of important historical events within the region and/or time period under study.
4. Develop a strong base of research skills, including the ability to evaluate and properly use primary and secondary sources.
5. Demonstrate the ability to analyze a primary source.

### Major Requirements - Core

Complete 6 units

- HIST 17A History of the United States **Units: 3**
- HIST 17B History of the United States **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 6 units selected from one of the sequences:

- HIST 2A World History to 1600 **Units: 3** and HIST 2B World History Since 1600 **Units: 3** or
- HIST 4A History of Western Civilization **Units: 3** and HIST 4B History of Western Civilization **Units: 3**

Area B - History of Women and Minorities in the United States

Complete 3 units from:

- HIST 27 Women in History **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- HIST 34 Asian Pacific American History **Units: 3**

Area C

Complete an additional 6 units selected from Area A, Area B, or:

- HIST 6A History of Asian Civilizations **Units: 3**
- HIST 6C History of the Middle East **Units: 3**
- HIST 7 History Through Film **Units: 3**
- HIST 37 California History **Units: 3**

### Minimum Major Units Required: 21

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in

satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60**

## Industrial Technology

### Industrial Technology - Electrical Apprenticeship Certificate of Achievement

Upon successful completion of the Industrial Technology - Electrical Apprenticeship Option certificate, the apprentice demonstrates skills, knowledge, and training to work in electrical maintenance at a hydroelectric plant facility. The apprentice demonstrates proficiency in the installation, repair, maintenance and troubleshooting of electrical circuits, electrical equipment pumps and generators. The program is offered as part of the State Department of Water Resources Joint Apprenticeship Committee and the State Division of Apprenticeship Standards. The apprentice receives a State Journey-level Certificate upon successful completion of the program.

NOTE: Please refer to the current catalog for information about Special Admissions Programs.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate proficiency in the installation, repair, maintenance and troubleshooting of electrical circuits, electrical equipment pumps and generators.

### Core Requirements

Complete 36 units

- A-ELE 75A Basic Electricity **Units: 2**
- A-ELE 75B Advanced Electricity **Units: 2**
- A-ELE 75C Transformers and Polychlorinated Biphenyl **Units: 2**
- A-ELE 75D Protective Relaying **Units: 2**
- A-ELE 75E High Voltage Switching **Units: 2**
- A-ELE 75F Electrical Motors and Controls **Units: 2**
- A-IND 72A Introduction to Apprenticeship **Units: 2**
- A-IND 76 Applied Technical Mathematics **Units: 2**
- A-IND 77A Mechanical Fundamentals **Units: 2**
- A-IND 77B Bearings, Pumps, and Turbines **Units: 2**
- A-IND 77C Motors and Generators **Units: 2**
- A-IND 77D Plant Auxiliary Equipment **Units: 2**
- A-IND 77G Governor Systems **Units: 2**
- A-IND 77H Computers in Hydro-Electric Plants **Units: 2**

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- A-IND 77K Fundamentals of Thermodynamics **Units: 2**
- A-IND 77L Project Control and Power Contracts **Units: 2**
- A-IND 77M Air Conditioning **Units: 2**
- A-IND 77N Electro-Mechanical Print Reading **Units: 2**

### Minimum Units Required: 36

Complete all courses with a grade of "C" or better.

### Industrial Technology - Level I Certificate of Achievement

Upon successful completion of the Industrial Technology - Level I certificate, the student demonstrates skills, knowledge, and management of industrial controls, processes and systems. The scope of training includes the installation, repair, maintenance, and management of industrial plant operations in the manufacturing, food processing, and automated facilities.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Understand, diagnose and repair industrial systems such as refrigeration and air conditioning, hydraulics, and electrical systems.
2. Demonstrate significant understanding of the operation of equipment used to fabricate, maintain, and repair mechanical components and assemblies in an industrial environment. Skills in welding, machining, and metal layout principles shall be evident.

#### Core Requirements

Complete 21.5 units

- HVACR 70A Refrigeration and Air Conditioning **Units: 2.5**
- INDUS 20 Industrial Safety and Health **Units: 3**
- INDUS 31 Industrial Hydraulics **Units: 4**
- INDUS 45 Industrial Technology **Units: 5**
- MACH 16 Machine Tool Process **Units: 3**
- WELDING 10 Basic Welding for the Trades **Units: 4**

#### Restricted Electives

##### Area A

Complete 3 - 4 units selected from:

- INDUS 94 Industrial Mathematics and Algebra **Units: 3**  
or Associate Degree Math Requirement **Units: 4**

##### Area B

Complete 4 - 5 units selected from:

- ELEC 30 Fundamentals of Electricity **Units: 5**
- ELECT 11 AC and DC Network Analysis **Units: 4**

### Minimum Units Required: 28.5

Complete all courses with a grade of "C" or better.

### Industrial Technology - Level II - Mechanical Certificate of Achievement

Upon successful completion of the Industrial Technology - Level II Mechanical certificate, the student demonstrates skills, knowledge, and management of industrial controls, processes and systems. The scope of training includes the installation, repair, maintenance, and management of industrial plant operations in the manufacturing, food processing, and automated facilities with an emphasis on mechanical systems.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to understand, diagnose, maintain, and repair industrial systems such as refrigeration, air conditioning, and electrical systems.

#### Core Requirements

Complete 36 units

- DIESEL 94 Diesel Engine Principles **Units: 3**
- ELECT 17 Robotics / Automation Introduction **Units: 4**
- HVACR 70A Refrigeration and Air Conditioning **Units: 2.5**
- HVACR 72A Introduction to Residential Gas Heating **Units: 2.5**
- INDUS 20 Industrial Safety and Health **Units: 3**
- INDUS 31 Industrial Hydraulics **Units: 4**
- INDUS 45 Industrial Technology **Units: 5**
- MACH 16 Machine Tool Process **Units: 3**
- WELDING 10 Basic Welding for the Trades **Units: 4**
- WELDING 98 Metal Trade Layout, Forming, and Fabrication **Units: 5**

#### Restricted Electives

##### Area A

Complete 3 units selected from:

- INDUS 94 Industrial Mathematics and Algebra **Units: 3**  
or Associate Degree Math Requirement **Units: 4**

##### Area B

Complete 4 - 5 units selected from:

- ELEC 30 Fundamentals of Electricity **Units: 5**
- ELECT 11 AC and DC Network Analysis **Units: 4**

##### Area C

Complete 3 - 4 units selected from:

- E TECH 47 Introduction to Industrial Control Systems **Units: 3**
- ELEC 37 Introduction to Programmable Logic Controllers **Units: 4**

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### Minimum Units Required: 46

Complete all courses with a grade of "C" or better.

### Industrial Technology - Maintenance

#### Apprenticeship Certificate of Achievement

Upon successful completion of the Industrial Technology - Maintenance Apprenticeship certificate, the apprentice demonstrates skills, knowledge, and training to work in building and aqueduct maintenance at a hydroelectric plant facility. The apprentice demonstrates proficiency in the installation, repair and maintenance of plant facility and aqueducts, including the use of heavy equipment, concrete, food control systems, protective coatings, tractor operations, trenching and earthwork. The program is offered as part of the State Department of Water Resources Joint Apprenticeship Committee and the State Division of Apprenticeship Standards. The apprentice receives a State Journey-level Certificate upon successful completion of the program.

NOTE: Please refer to the current catalog for information about Special Admissions Programs.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate proficiency in the installation, repair and maintenance of plant facility and aqueducts, including the use of heavy equipment, concrete, food control systems, protective coatings, tractor operations, trenching and earthwork.

#### Core Requirements

Complete 40 units

- A-ELE 75A Basic Electricity **Units: 2**
- A-ELE 75B Advanced Electricity **Units: 2**
- A-IND 72A Introduction to Apprenticeship **Units: 2**
- A-IND 76 Applied Technical Mathematics **Units: 2**
- A-IND 77E Hydraulics **Units: 2**
- A-IND 77H Computers in Hydro-Electric Plants **Units: 2**
- A-IND 77L Project Control and Power Contracts **Units: 2**
- A-IND 78A Defensive Driving **Units: 1**
- A-IND 78B Heavy Truck Operation **Units: 1**
- A-IND 78C Diesel and Small Gasoline Engines **Units: 2**
- A-IND 78D Surveying and Flood Control Systems **Units: 2**
- A-IND 78E Soils, Asphalt, and Concrete **Units: 2**
- A-IND 78F Environmental Awareness **Units: 1**
- A-IND 78G Power Lift and Four-Wheel Drive Units **Units: 2**
- A-IND 78J Small Boat Handling **Units: 2**
- A-IND 78K Mobile Cranes and Rigging **Units: 2**
- A-IND 78L Motor Grader Operation **Units: 2**

- A-IND 78M Tractor Operations, Trenching, and Shoring **Units: 2**
- A-IND 78N Pesticides and Herbicides **Units: 2**
- A-IND 78P Power Actuated Equipment **Units: 2**
- A-MEC 74A Basic Welding **Units: 2**
- A-MEC 74B Machine Shop **Units: 2**

### Minimum Units Required: 41

Complete all courses with a grade of "C" or better.

### Industrial Technology - Mechanical

#### Apprenticeship Certificate of Achievement

Upon successful completion of the Industrial Technology - Mechanical Apprenticeship Option certificate, the apprentice demonstrates skills, knowledge, and training to work in mechanical maintenance at a hydroelectric plant facility. The apprentice demonstrates proficiency in the installation, repair, maintenance and troubleshooting of mechanical systems including compressors, pumps, hydraulic/pneumatic systems, and plant auxiliary equipment. The program is offered as part of the State Department of Water Resources Joint Apprenticeship Committee and the State Division of Apprenticeship Standards. The apprentice receives a State Journey-level Certificate upon successful completion of the program.

NOTE: Please refer to the current catalog for information about Special Admissions Programs.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate proficiency in the installation, repair, maintenance and troubleshooting of mechanical systems including compressors, pumps, hydraulic/pneumatic systems, and plant auxiliary equipment.

#### Core Requirements

Complete 34 units

- A-ELE 75A Basic Electricity **Units: 2**
- A-ELE 75C Transformers and Polychlorinated Biphenyl **Units: 2**
- A-IND 72A Introduction to Apprenticeship **Units: 2**
- A-IND 76 Applied Technical Mathematics **Units: 2**
- A-IND 77A Mechanical Fundamentals **Units: 2**
- A-IND 77B Bearings, Pumps, and Turbines **Units: 2**
- A-IND 77D Plant Auxiliary Equipment **Units: 2**
- A-IND 77E Hydraulics **Units: 2**
- A-IND 77F Pneumatics **Units: 2**
- A-IND 77G Governor Systems **Units: 2**
- A-IND 77H Computers in Hydro-Electric Plants **Units: 2**
- A-IND 77K Fundamentals of Thermodynamics **Units: 2**

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- A-IND 77L Project Control and Power Contracts **Units: 2**
- A-IND 77M Air Conditioning **Units: 2**
- A-IND 77N Electro-Mechanical Print Reading **Units: 2**
- A-MEC 74A Basic Welding **Units: 2**
- A-MEC 74B Machine Shop **Units: 2**

### Minimum Units Required: 34

Complete all courses with a grade of "C" or better.

## Industrial Technology - Operations

### Apprenticeship Certificate of Achievement

Upon successful completion of the Industrial Technology - Operations Apprenticeship Option certificate, the student demonstrates skills, knowledge, and training to work in plant operations at a hydroelectric plant facility. The apprentice demonstrates the proficiency in the operation of a hydroelectric plant controlling pumps, electrical generators, aqueduct system and the total plant operating systems. The program is offered as part of the State Department of Water Resources Joint Apprenticeship Committee and the State Division of Apprenticeship Standards. The apprentice receives a State Journey-level Certificate upon successful completion of the program.

NOTE: Please refer to the current catalog for information about Special Admissions Programs.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the proficiency in the operation of a hydroelectric plant controlling pumps, electrical generators, aqueduct system and the total plant operating systems.

### Core Requirements

Complete 34 units

- A-ELE 75A Basic Electricity **Units: 2**
- A-ELE 75B Advanced Electricity **Units: 2**
- A-ELE 75C Transformers and Polychlorinated Biphenyl **Units: 2**
- A-ELE 75D Protective Relaying **Units: 2**
- A-ELE 75E High Voltage Switching **Units: 2**
- A-IND 72A Introduction to Apprenticeship **Units: 2**
- A-IND 76 Applied Technical Mathematics **Units: 2**
- A-IND 77A Mechanical Fundamentals **Units: 2**
- A-IND 77B Bearings, Pumps, and Turbines **Units: 2**
- A-IND 77C Motors and Generators **Units: 2**
- A-IND 77D Plant Auxiliary Equipment **Units: 2**
- A-IND 77G Governor Systems **Units: 2**
- A-IND 77H Computers in Hydro-Electric Plants **Units: 2**
- A-IND 77J Water Aqueduct Systems **Units: 2**

- A-IND 77K Fundamentals of Thermodynamics **Units: 2**
- A-IND 77L Project Control and Power Contracts **Units: 2**
- A-IND 77N Electro-Mechanical Print Reading **Units: 2**

### Minimum Units Required: 34

Complete all courses with a grade of "C" or better.

## Interdisciplinary Studies

### Interdisciplinary Studies, Mathematics and Science Option, AS

The Mathematics and Science option is designed for the student interested in the health sciences field or in developing a foundation in a Science, Technology, Engineering, or Mathematics (STEM) disciplines at the Associate Degree level. Mathematics courses encourage the understanding of basic mathematical concepts, quantitative reasoning and applications. Natural science courses emphasize experimental methodology, hypothesis testing, and the power of systematic questioning. The student will develop a comprehension of the basic concepts of the physical and biological sciences, and an understanding of science as a human endeavor, including the limitations as well as the power of scientific inquiry.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate scientific literacy by identifying and applying the major components of the scientific method of inquiry.
2. Analyze the similarities and differences between the ways knowledge is collected and applied in the discipline's studies.
3. Compare and contrast conflicting viewpoints from the perspective of two or more disciplines.
4. Integrate and utilize knowledge from multiple disciplines to solve problems.

### Major Requirements - Restricted Electives

Area A - Science

Complete a minimum of 4 units including one laboratory selected from:

- ANTHR 2 Biological Anthropology **Units: 3**
- ANTHR 2L Biological Anthropology Laboratory **Units: 1**
- ANTHR 10 Introduction to Archaeology **Units: 3**
- ANTHR 10L Beginning Field Archaeology **Units: 1**
- ASCI 10 Principles of Animal Science **Units: 3**
- ASCI 10L Principles of Animal Science Laboratory **Units: 1**
- ASTRO 1 Introductory Astronomy **Units: 3**
- ASTRO 1L Astronomy Laboratory **Units: 1**
- ASTRO 11 Astronomy of the Solar System **Units: 4**

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- ASTRO 12 Astronomy: Stars, Galaxies, and the Universe **Units: 4**
- BIOL 1 Cell and Molecular Biology **Units: 4**
- BIOL 2 Zoology/Animal Diversity and Evolution **Units: 5**
- BIOL 3 Plant Diversity and Ecology **Units: 4**
- BIOL 10 Survey of Biology **Units: 4**
- BIOL 11 Human Biology **Units: 4**
- BIOL 22 Introduction to Medical Microbiology **Units: 4**
- BIOL 23 General Microbiology **Units: 5**
- BIOL /PSYC 30 Human Sexuality **Units: 3**
- BIOL 31 Human Anatomy **Units: 4**
- BIOL 32 Human Physiology **Units: 5**
- BIOL 33 Anatomy & Physiology **Units: 6**
- CHEM 1A General Chemistry **Units: 5**
- CHEM 1B General Chemistry **Units: 5**
- CHEM 3A Introduction to Chemistry **Units: 4**
- CHEM 10 Exploring Everyday Chemistry **Units: 3**
- CHEM 12A Organic Chemistry **Units: 5**
- CHEM 12B Organic Chemistry **Units: 5**
- GEOG 1 Physical Geography **Units: 3**
- GEOG 1L Physical Geography Laboratory **Units: 1**
- GEOL 1A Physical Geology w/Lab **Units: 4**
- GEOL 1B Historical Geology w/Lab **Units: 4**
- GEOL 2 Introduction to Environmental Science **Units: 3**
- GEOL 5 Earth Science **Units: 3**
- GEOL 5A Earth Science with Laboratory **Units: 4**
- GEOL 15 Environmental Geology **Units: 3**
- GEOL 16 Oceanography **Units: 3**
- PHSCI 1 Conceptual Physical Science **Units: 3**
- PHYSC 2A General Physics **Units: 4**
- PHYSC 2B General Physics **Units: 4**
- PHYSC 4A Principles of Physics: Mechanics **Units: 4**
- PHYSC 4B Principles of Physics: Waves, Sound, and Thermodynamics **Units: 4**
- PHYSC 4C Principles of Physics: Electricity and Magnetism **Units: 4**
- PHYSC 10 Introduction to Physics **Units: 4**
- PLANT 10 Principles of Plant Science **Units: 3**
- PLANT 10L Principles of Plant Science Laboratory **Units: 1**
- PLANT 14 Soil Science **Units: 4**
- PSYC 5 Introduction to Biological Psychology **Units: 4**

### Area B – Math and Statistics

Complete 3 units selected from:

- COMM 14 Statistical Analysis for Communication **Units: 3**
- LAW 26 Introductory Statistical Analysis for Law, Policy, and Justice Studies **Units: 4**
- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**

- MATH 3 Multivariable Calculus **Units: 4**
- MATH 4 Differential Equations **Units: 4**
- MATH 5 Linear Algebra **Units: 4**
- MATH 13 Survey of Calculus **Units: 4**
- MATH 17A Concepts and Structures of Mathematics **Units: 3**
- MATH 17B Concepts and Structures of Mathematics **Units: 3**
- MATH 20 Finite Mathematics **Units: 3**
- MATH 37 College Algebra **Units: 3**
- MATH 37EX College Algebra with Support **Units: 4**
- MATH 38A Precalculus I **Units: 4**
- MATH 38AEX Precalculus I with Support **Units: 6**
- MATH 38B Precalculus II **Units: 4**
- MATH 38BEX Precalculus II with Support **Units: 4.5**
- MATH 39 Precalculus **Units: 6**
- PSYC 2 Statistical Methods for Psychology & Social Science **Units: 3**
- STAT C1000 Introduction to Statistics **Units: 4**
- STAT C1000E Introduction to Statistics Embedded Support **Units: 4.5**

### Area C – Computer Science and Engineering

Complete 11 units selected from the courses below or from courses in Area A or B above.

- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 12 Introduction to Management Information Systems **Units: 3**
- CS 55 Discrete Structures for Computer Science **Units: 3**
- CSP 26A Java Programming **Units: 3**
- CSP 26B Data Structures with Java **Units: 3**
- CSP 31A C++ Programming I **Units: 3**
- CSP 31B C++ Programming II **Units: 3**
- ENGR 2 Engineering Graphics **Units: 3**
- ENGR 4 Engineering Materials **Units: 4**
- ENGR 6 Engineering Circuit Analysis **Units: 4**
- ENGR 8 Statics **Units: 3**

### Minimum Area of Emphasis Units Required: 18

Complete all courses with a grade of "C" or better.

### General Education

Complete the following general education pattern:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

## CERTIFICATES AND DEGREES BY AREA

\*Completion of the San Joaquin Delta College Associate Degree General Education Pattern may be appropriate for the student who is:

1. planning to transfer to an out of state or independent 4-year college or university that accepts completion of the Associate Degree for transfer.
2. following NCAA guidelines.

General Education requirements vary widely from institution to institution. It is highly recommended that students see a counselor or consult the selected baccalaureate transfer campus catalog for appropriate GE course selection.

### Minimum Degree Units Required: 60

### Interdisciplinary Studies, Arts, Humanities, and Social Sciences Option, AA

The Arts, Humanities, and Social Sciences option is designed for the student who desires a broad exposure to the development of human culture and social organization through exploration of the Arts, Humanities, and Social Sciences and how each area influences and supports the other at the Associate Degree level. Courses in the Arts, Humanities, and Social Sciences option are those which focus on the cultural activities and artistic expressions, as well as the organizational principles and patterns of human beings. Such courses include introductory or integrative courses in arts, anthropology, foreign languages, history, economics, literature, music, philosophy, politics, psychology, religion, and theatre. These courses are designed to help the student develop an awareness of the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them.

### Program Learning Outcomes

1. Students will demonstrate an introduction to the various fields in the arts and humanities. These courses will provide the background for a successful transition to a four-year degree.
2. Students will demonstrate an introduction to the various fields in the social sciences. These courses will provide the background for a successful transition to a four-year degree.

### Courses Within the Area of Emphasis

Complete a minimum of 18 units including a minimum of one course from each area.

#### Area A - Arts and Humanities

Complete 6 units selected from:

- ANTHR /HUM 4 Introduction to Linguistics **Units: 3**
- ART 1A Art History: Europe from Prehistory to 1400 **Units: 3**
- ART 1B Art History: Europe from the Fifteenth to the Twentieth Century **Units: 3**

- ART 1C Modern and Contemporary Art History **Units: 3**
- ART 2 Art History of the Non-Western World **Units: 3**
- ART 3 Art Appreciation **Units: 3**
- ART 6 2D Design and Color **Units: 3**
- ART 7A Painting I **Units: 3**
- ART 12 3-D Design **Units: 3**
- ART 20A Sculpture I **Units: 3**
- ART 33A Beginning Drawing **Units: 3**
- ART 33B Intermediate Drawing **Units: 3**
- ART 33C Figure Drawing **Units: 3**
- ART 40A Printmaking I **Units: 3**
- ART 64A Ceramics I **Units: 3**
- CHIN 1 Elementary Chinese I **Units: 5**
- CIVIL /HUM 3 Autobiography of Civilization **Units: 3**
- COMM 4 Introduction to Human Communication **Units: 3**
- COMM 5 Argumentation and Debate **Units: 3**
- COMM 7 Intercultural Communication **Units: 3**
- COMM 8 Small Group Communication **Units: 3**
- COMM 11 Intracultural Communication **Units: 3**
- COMM 12 Introduction to Persuasion **Units: 3**
- COMM 13 Readers Theater **Units: 3**
- COMM 52 Speech Activities and Advocacy **Units: 1-3**
- DANCE 35A Afro-Caribbean Dance I **Units: 3**
- DANCE 35B Afro-Caribbean Dance II **Units: 2**
- DANCE 35C Intermediate Afro-Caribbean Dance III **Units: 2**
- DANCE 37A West African Dance I **Units: 2**
- DANCE 37B West African Dance II **Units: 2**
- DANCE 37C Intermediate West African Dance III **Units: 2**
- DMEDIA 2 Writing for Digital Media **Units: 3**
- DRAMA 6A Improvisational Theatre I **Units: 3**
- DRAMA 6B Improvisational Theatre II **Units: 3**
- DRAMA 10 Introduction to Theatre **Units: 3**
- DRAMA 15A Makeup for the Theatre **Units: 3**
- DRAMA 16A History of Theatre: Primitive to the 18th Century **Units: 3**
- DRAMA 16B History of Theatre: 18th Century to Present **Units: 3**
- DRAMA 19A Introduction to Stagecraft **Units: 4**
- DRAMA 19B Principles of Stage Design **Units: 4**
- DRAMA 25A Theatre Production: Acting **Units: 3**
- DRAMA 25B Theatre Production: Crew **Units: 1-3**
- DRAMA 27A Repertory Workshop: Acting I **Units: 2**
- DRAMA 27B Repertory Workshop: Acting II **Units: 2**
- DRAMA 29A Repertory Workshop: Crew I **Units: 1-2**
- DRAMA 29B Repertory Workshop: Crew II **Units: 1-2**

## CERTIFICATES AND DEGREES BY AREA

- DRAMA 31 Acting I: Introduction to Acting  
**Units: 3**
- DRAMA 32 Voice and Movement for the Actor  
**Units: 2**
- DRAMA 33 Stage Combat for the Actor  
**Units: 2**
- DRAMA 44A Traditional Theatre Production: Acting  
**Units: 3**
- DRAMA 44B Traditional Theatre Production: Crew  
**Units: 1-3**
- DRAMA 47A Musical Theatre Production: Acting  
**Units: 3**
- DRAMA 47B Musical Theatre Production: Crew  
**Units: 1-3**
- ENGL 1B College Composition and Literature  
**Units: 3**
- ENGL C1001 Critical Thinking and Writing  
**Units: 3**
- ENGL 30 The Film as Literature **Units: 3**
- ENGL 35 Chicano Literature **Units: 3**
- ENGL 37 Women in Literature **Units: 3**
- ENGL 38 Mythology **Units: 3**
- ENGL 42A Survey of American Literature I  
**Units: 3**
- ENGL 42B Survey of American Literature II  
**Units: 3**
- ENGL 43C World Literature I **Units: 3**
- ENGL 43D World Literature II **Units: 3**
- ENGL 45 Introduction to Shakespeare **Units: 3**
- ENGL 46A Survey of British Literature I **Units: 3**
- ENGL 46B Survey of British Literature II **Units: 3**
- ENGL 49A Introduction to Creative Writing  
**Units: 3**
- ENGL 49B Creative Writing: Fiction **Units: 3**
- ENGL 49C Creative Writing: Poetry **Units: 3**
- ENGL 49D Creative Writing: Play and Screen Writing  
**Units: 3**
- ENGL 52 From Story to Screen **Units: 3**
- ENGL 57 Children's Literature **Units: 3**
- FASHION /ID 6 Textiles **Units: 3**
- FASHION 8 History of Fashion to the Twentieth Century  
**Units: 3**
- FREN 1 Elementary French I **Units: 4**
- FREN 2 Elementary French II **Units: 4**
- FREN 3 Intermediate French I **Units: 4**
- FREN 4 Intermediate French II **Units: 4**
- GERM 1 Elementary German I **Units: 5**
- GERM 2 Elementary German II **Units: 5**
- GRART 1A Digital Imaging I **Units: 3**
- GRART 2A Graphic Design and Layout I **Units: 3**
- GRART 3A Digital Illustration for Graphic Design I  
**Units: 3**
- GRART 6A Digital Design for Publication I  
**Units: 3**
- HORT 4 History of Garden Design **Units: 3**
- HUM /CIVIL 3 Autobiography of Civilization  
**Units: 3**
- HUM /ANTHR 4 Introduction to Linguistics  
**Units: 3**
- ID 2 Introduction to Interior Design **Units: 3**
- ID /FASHION 6 Textiles **Units: 3**
- ID 8 History of Interior Design and Furniture I  
**Units: 3**
- ITAL 1 Elementary Italian I **Units: 4**
- ITAL 2 Elementary Italian II **Units: 4**
- JAPAN 1 Elementary Japanese I **Units: 4**
- JAPAN 2 Elementary Japanese II **Units: 4**
- MCOM 1 Introduction to Mass Communication  
**Units: 3**
- MCOM 12B News Media Production II **Units: 3**
- MCOM 5 Social Media and Society **Units: 3**
- MCOM 7 Photojournalism **Units: 3**
- MCOM 10 Multimedia Storytelling **Units: 3**
- MCOM 11 Newswriting **Units: 3**
- MCOM 12A News Media Production I **Units: 3**
- MUSIC 1 Music Fundamentals **Units: 3**
- MUSIC 3A Music Theory and Musicianship I  
**Units: 4**
- MUSIC 3B Music Theory and Musicianship II  
**Units: 4**
- MUSIC 3C Music Theory and Musicianship III  
**Units: 4**
- MUSIC 3D Music Theory and Musicianship IV  
**Units: 4**
- MUSIC 4 Exploring Music **Units: 3**
- MUSIC 7 Excursions in Music of Our World  
**Units: 3**
- MUSIC 8 Exploring Jazz, Ragtime, and Blues  
**Units: 3**
- MUSIC 17 Concert Choir **Units: 1**
- MUSIC 26 Symphonic Band **Units: 1-2**
- MUSIC 27 Orchestra **Units: 1-2**
- MUSIC 29 Jazz Band **Units: 1-2**
- MUSIC 38A Class Piano for Music Majors I  
**Units: 1**
- MUSIC 40A Applied Music **Units: 0.5-2**
- MUSIC 40B Applied Music **Units: 0.5-2**
- MUSIC 40C Applied Music **Units: 0.5-2**
- MUSIC 40D Applied Music **Units: 0.5-2**
- PETHEORY 40 Introduction to Kinesiology  
**Units: 3**
- PHILO 6 Introduction to Philosophy **Units: 3**
- PHILO 30 Introductory Logic **Units: 3**
- PHILO 40 Ethics **Units: 3**
- PHILO 45 Philosophy of Religion **Units: 3**
- PHILO 50 Asian Philosophy **Units: 3**
- PHOTO 1A Introduction to Photography **Units: 3**
- RELGN 14A Great Religions of the Eastern World  
**Units: 3**
- RELGN 14B Great Religions of the Western World  
**Units: 3**
- SL 1 Elementary American Sign Language I  
**Units: 4**

## CERTIFICATES AND DEGREES BY AREA

- SL 2 Elementary American Sign Language II **Units: 4**
- SL 3 Intermediate American Sign Language I **Units: 4**
- SL 4 Intermediate American Sign Language II **Units: 4**
- SPAN 1 Elementary Spanish I **Units: 4**
- SPAN 2 Elementary Spanish II **Units: 4**
- SPAN 3 Intermediate Spanish I **Units: 4**
- SPAN 3A Spanish for Spanish Speakers I **Units: 4**
- SPAN 4 Intermediate Spanish II **Units: 4**
- SPAN 4A Spanish for Spanish Speakers II **Units: 4**
- SPAN 5 Advanced Spanish Introduction to Literature I **Units: 3**
- SPAN 6 Advanced Spanish Introduction to Literature II **Units: 3**

### Area B - Social Sciences

Complete 6 units selected from:

- AJ 21 Criminal Justice in Society **Units: 3**
- ANTHR 1 Cultural Anthropology **Units: 3**
- ANTHR 10 Introduction to Archaeology **Units: 3**
- BIOL /PSYC 30 Human Sexuality **Units: 3**
- BUS 8 Introduction to Law and Society **Units: 3**
- BUS 18A Business Law **Units: 3**
- BUS 18B Business Law **Units: 3**
- BUS 19 Legal Environment of Business **Units: 3**
- BUS 20 Introduction to Business **Units: 3**
- BUS 26 Economics of Business **Units: 3**
- CS 11 Fundamentals of Computer Science **Units: 3**
- ECE 21 Child and Adolescent Development **Units: 3**
- ECE 25 Observation and Assessment **Units: 3**
- ECE 26 Child, Family, and Community **Units: 3**
- ECE 27 Culture and Diversity in Early Childhood Education **Units: 3**
- ECE 28 Child Health, Safety, and Nutrition **Units: 3**
- ECE 31A Principles and Practices of Teaching Young Children **Units: 3**
- ECE 31B Introduction to ECE Curriculum **Units: 3**
- ECE 32A Early Childhood Education Practicum-Field Experience **Units: 4**
- ECON 3 Principles of Microeconomics **Units: 3**
- ECON 5 Principles of Macroeconomics **Units: 3**
- EDUC 10 Introduction to Education **Units: 3**
- EDUC 12 Reading Tutoring Techniques **Units: 3**
- GEOG 1 Physical Geography **Units: 3**
- GEOG 1L Physical Geography Laboratory **Units: 1**
- GEOG 2 Human Geography **Units: 3**
- GEOG 3 Geography of California **Units: 3**

- GEOG 10 World Regional Geography **Units: 3**
- H ED 31 Emergency Responder **Units: 3**
- HIST 2A World History to 1600 **Units: 3**
- HIST 2B World History Since 1600 **Units: 3**
- HIST 4A History of Western Civilization **Units: 3**
- HIST 4B History of Western Civilization **Units: 3**
- HIST 6A History of Asian Civilizations **Units: 3**
- HIST 6C History of the Middle East **Units: 3**
- HIST 7 History Through Film **Units: 3**
- HIST 17A History of the United States **Units: 3**
- HIST 17B History of the United States **Units: 3**
- HIST 27 Women in History **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- HIST 34 Asian Pacific American History **Units: 3**
- HIST 37 California History **Units: 3**
- PETHEORY 41 Sport in Society **Units: 3**
- POLS C1000 American Government and Politics **Units: 3**
- POLS 2 Introduction to Comparative Politics **Units: 3**
- POLS 3 Introduction to Political Theory **Units: 3**
- POLS 4 California Politics **Units: 3**
- POLS 5 International Relations **Units: 3**
- POLS 6 International Political Economy **Units: 3**
- PSYC C1000 Introduction to Psychology **Units: 3**
- PSYC 2 Statistical Methods for Psychology & Social Science **Units: 3**
- PSYC 3 Personal and Social Psychology **Units: 3**
- PSYC 4 Introduction to Research Methods in Psychology **Units: 3**
- PSYC 6 Lifespan Psychology **Units: 3**
- PSYC 7 Abnormal Psychology **Units: 3**
- PSYC /BIOL 30 Human Sexuality **Units: 3**
- SOCIO 1A Introduction to Sociology **Units: 3**
- SOCIO 1B Social Problems **Units: 3**
- SOCIO 27 Introduction to Gender **Units: 3**
- SOCIO 33 Introduction to Race and Ethnicity **Units: 3**

### Area C

Complete 6 additional units selected from any of the courses above.

### Minimum Area of Emphasis Units Required: 18

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**

## CERTIFICATES AND DEGREES BY AREA

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

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1. planning to transfer to an out of state or independent 4-year college or university that accepts completion of the Associate Degree for transfer.
2. following NCAA guidelines.

General Education requirements vary widely from institution to institution. It is highly recommended that students see a counselor or consult the selected baccalaureate transfer campus catalog for appropriate GE course selection.

### Minimum Degree Units Required: 60

### Interdisciplinary Studies, Business Option, AA

The Business option is designed for the student preparing for a career in business or for transfer to a four-year college or university to pursue the Baccalaureate degree in business. With careful planning the student will be able to complete the Associate in Arts degree while concurrently satisfying the lower division transfer preparation for the baccalaureate degree.

Students planning to transfer to a California State University (CSU) in Business should explore completing the AS-T degree designed specifically for transfer to the CSU. The AS-T degree provides the highest priority admission and other benefits for students who successfully complete them. Additional Business related AA-T degrees may become available in the near future. See the college catalog or a counselor for additional information regarding AA-T/AS-T Degrees for transfer to the CSU.

Students are encouraged to see a counselor for assistance in developing an educational plan that will identify the lower division major preparation and general education coursework that corresponds to the intended major and transfer institution. Students should consult [www.assist.org](http://www.assist.org) for current course articulation in their major. Please refer to the "Essential Transfer Information Checklist" located in the transfer section of the current college catalog. Counseling appointments may be scheduled online by selecting "Counseling" under "Student Resources" on the Delta College home page. Failure to consult with a counselor may unnecessarily delay progress toward transfer.

Courses in the Business option provide the student an awareness and understanding of how various economic and business systems operate. Integrative courses in the discipline expose the student to fundamental business

practices in accounting, business, computer information systems, economics, law, and mathematics. Courses foster an awareness of the theories, concepts, and terminology of business, creative problem-solving, decision making and communication skills. Transfer majors appropriate for this option include but are not limited to: Accounting, Business Administration, Economics, Finance, Management Information Systems, Human Resource Management, and Public Administration.

### Program Learning Outcomes

1. Demonstrate appropriate discipline literacy in the business field.
2. Compare and contrast controversial viewpoints regarding issues from the perspective of two or more disciplines.
3. Analyze the similarities and differences between the ways knowledge is collected and applied in the disciplines studied.
4. Demonstrate the ability to integrate and utilize knowledge from multiple disciplines.

### Courses Within the Area of Emphasis

Complete a minimum of 18 units including a minimum of one course from each area.

#### Area 1 - Accounting

- BUS 1A Principles of Accounting **Units: 5**
- BUS 1B Principles of Accounting **Units: 5**
- BUS 3 Financial Accounting **Units: 4**
- BUS 4 Managerial Accounting **Units: 4**
- BUS 15 Excel Spreadsheets **Units: 3**

#### Area 2 - Law

- BUS 8 Introduction to Law and Society **Units: 3**
- BUS 18A Business Law **Units: 3**
- BUS 18B Business Law **Units: 3**
- BUS 19 Legal Environment of Business **Units: 3**

#### Area 3 - Economics

- ECON 5 Principles of Macroeconomics **Units: 3**
- ECON 3 Principles of Microeconomics **Units: 3**

#### Area 4 – Mathematics

- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**
- MATH 3 Multivariable Calculus **Units: 4**
- MATH 4 Differential Equations **Units: 4**
- MATH 5 Linear Algebra **Units: 4**
- STAT C1000 Introduction to Statistics **Units: 4**
- MATH 13 Survey of Calculus **Units: 4**
- MATH 20 Finite Mathematics **Units: 3**

#### Area 5 – Business Related Courses

- BUS 20 Introduction to Business **Units: 3**

## CERTIFICATES AND DEGREES BY AREA

- BUS 36 Human Resources Management **Units: 3**
- COMM 5 Argumentation and Debate **Units: 3**
- CS 11 Fundamentals of Computer Science **Units: 3**
- CS 12 Introduction to Management Information Systems **Units: 3**
- CSP 26A Java Programming **Units: 3**
- CSP 31A C++ Programming I **Units: 3**
- CSP 31B C++ Programming II **Units: 3**

### Minimum Area of Emphasis Units Required: 18

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

\*Completion of the San Joaquin Delta College Associate Degree General Education Pattern may be appropriate for the student who is:

1. planning to transfer to an out of state or independent 4-year college or university that accepts completion of the Associate Degree for transfer.
2. following NCAA guidelines.

General Education requirements vary widely from institution to institution. It is highly recommended that students see a counselor or consult the selected baccalaureate transfer campus catalog for appropriate GE course selection.

### Minimum Degree Units Required: 60

## Interior Design

### Interior Design, AA

The Major in Interior Design is designed to develop a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career.

#### Major Requirements - Restricted Electives

Complete 18 units selected from:

- ARCH 1 Basic Architectural Drafting **Units: 3**

- ART 1A Art History: Europe from Prehistory to 1400 **Units: 3**
- ID 2 Introduction to Interior Design **Units: 3**
- ID /FASHION 6 Textiles **Units: 3**
- ID 8 History of Interior Design and Furniture I **Units: 3**
- ID 10 Residential Interior Design **Units: 3**
- ID 13 Materials, Specifications and Professional Practices **Units: 3**

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Interior Design Certificate of Achievement

Upon successful completion of the Interior Design certificate, students will be able to work from blueprints, make detailed floor plans, and draw furniture to scale. Additionally, they will be able to develop presentations for client approval to include a sketch or scaled floor plan showing furniture arrangement, color charts, and samples of upholstery, draperies, and wall coverings along with developing estimates for the installation cost of a design project.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Develop comprehensive design concepts for both residential and commercial spaces.
2. Demonstrate knowledge of the history of interior design and furniture and the factors that influenced the changes in design styles.
3. Work from blueprints, make detailed floor plans, and draw furniture to scale.

#### Core Requirements

Complete 23 units

- ID 2 Introduction to Interior Design **Units: 3**
- ID /FASHION 6 Textiles **Units: 3**

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- ID 8 History of Interior Design and Furniture I **Units: 3**
- ID 10 Residential Interior Design **Units: 3**
- ID 11 Commercial Interior Design **Units: 3**
- ID 13 Materials, Specifications and Professional Practices **Units: 3**
- ID /FASHION 18 Consumer Behavior in Fashion and Interiors **Units: 3**
- ID /FASHION 21 Trend Forecasting for Fashion & Interiors **Units: 2**

### Restricted Electives

Complete 3 units selected from:

- ART 1A Art History: Europe from Prehistory to 1400 **Units: 3**
- ART 1B Art History: Europe from the Fifteenth to the Twentieth Century **Units: 3**

### Minimum Units Required: 26

Complete all courses with a grade of "C" or better.

## Journalism and Mass Communication

### Journalism, AA-T

The Associate in Arts in Journalism for Transfer is designed for students planning to transfer to a California State University (CSU) with a major in Journalism. Journalism is the study of writing, video, radio, multimedia and social media to disseminate news and relevant information to the masses. Courses in journalism provide students with higher-order cognitive skills, including decision-making and critical thinking, verbal skills through interviewing, written skills through use of newswriting techniques, use of tone, multitasking, deadline management and teamwork as members of a news staff. Jobs in the field include: journalist, multimedia producer, editor, writer, technical writer, page designer, copyeditor, social media specialist, content producer, news service writer, newsletter editor, public relations representative and photojournalist. The completion of this degree ensures preparation for upper-division coursework for students seeking to transfer and pursue a baccalaureate degree in Journalism from a California State University (CSU).

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Act as multimedia journalists, producing content across mediums.
2. Accurately report and write a variety of stories in journalistic style.
3. Understand the ethical and legal issues involved in producing news content across mediums.
4. Use judgment to determine best course of action in reporting and writing, as well as newsworthiness to effectively purvey information to the masses.

### Major Requirements - Core

Complete 9 units

- MCOM 1 Introduction to Mass Communication **Units: 3**
- MCOM 11 Newswriting **Units: 3**
- MCOM 12A News Media Production I **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 3 units selected from:

- MCOM 7 Photojournalism **Units: 3**
- MCOM 10 Multimedia Storytelling **Units: 3**
- MCOM 12B News Media Production II **Units: 3**
- MCOM 13 Introduction to Public Relations **Units: 3**

Area B

Complete 6 units selected from:

- COMM 5 Argumentation and Debate **Units: 3**
- ENGL C1001 Critical Thinking and Writing **Units: 3**
- PHILO 30 Introductory Logic **Units: 3**
- PHOTO 1A Introduction to Photography **Units: 3**

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Social Media Certificate of Achievement

Upon successful completion of the Social Media Certificate of Achievement, the student will demonstrate the skills, knowledge, and training necessary for entry-level employment or career advancement with an understanding of basic business and marketing concepts, including the selection of target audience and choice of platform, concepts of spread and share, engagement, meaningful participation, the use of visuals to define content and attract users, reasons for the spread of viral media, and an understanding of how to build and implement a social media plan for an organization or business utilizing best practices. Ethical considerations

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and crisis communication will also be explored. Students will work in a manner mirroring industry standards, with focus on immediate professional application.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Understand and apply basic marketing concepts to social media planning, including SWOT and SMART analysis.
2. Understand the role of social media as it pertains to business, marketing, and mass communication.
3. Understand ethical and legal issues involved in creating and disseminating social media content, including issues of copyright and fair use.
4. Understand the history and nature of social media, including Web 2.0 principles.
5. Conceptualize, build, and distribute images to boost social media engagement through a marketing plan.
6. Apply and understand industry-specific skills for employment.

### Core Requirements

Complete 15 units

- BUS 2 Introduction to E-Commerce **Units: 3**
- BUS 21 Marketing **Units: 3**
- MCOM 5 Social Media and Society **Units: 3**
- MCOM 8 Social Media Content **Units: 3**
- MCOM 9 Social Media Strategy **Units: 3**

### Restricted Electives

Area A

Complete 3 units selected from:

- BUS 20 Introduction to Business **Units: 3**
- MCOM 1 Introduction to Mass Communication **Units: 3**

Area B

Complete 3 units selected from:

- BUS 23 Advertising **Units: 3**
- BUS 28 Entrepreneurial Mindset **Units: 3**
- BUS 29 Introduction to Entrepreneurship **Units: 3**
- DMEDIA 31 Media Performance **Units: 3**
- MCOM 10 Multimedia Storytelling **Units: 3**
- PHOTO 3A Introduction to Digital Photography **Units: 3**

**Minimum Units Required: 21**

## Kinesiology and Physical Education

### Kinesiology, AA-T

The Associate in Arts in Kinesiology for Transfer Degree is designed as a seamless pathway for transfer for students planning to attend a California State University (CSU) with

a major in kinesiology. Kinesiology is the study of the art and science of human movement, considering knowledge, theory, and practice in a physical activity and sport context. Human movement is examined from various perspectives, ranging from cell structure to the place of exercise, physical activity, and sport in society. This degree emphasizes lower division preparation for opportunities in teaching or in Physical Education and other fields such as physical therapy, special education, recreation, athletic training, research and positions in private industry or in public service.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Measure physiological functions.
2. Demonstrate knowledge of basic physiology and kinesiology, and the physical and psychological adaptations of exercise.
3. Identify body organ systems, organs, and tissues, and describe structure-function relationships.
4. Demonstrate improvement in knowledge and/or motor skill performance in a variety of physical activities and movement patterns.

### Major Requirements - Core

Complete 12 units

- BIOL 31 Human Anatomy **Units: 4**
- BIOL 32 Human Physiology **Units: 5**
- PETHEORY 40 Introduction to Kinesiology **Units: 3**

### Major Requirements - Restricted Electives

Area A - Movement-Based Courses

Complete 3 units from at least 3 different Groups.

Group 1 - Aquatics

- PEACTION 1A Introductory Swimming **Units: 1.5**
- PEACTION 1D Swim Training and Conditioning **Units: 0.5-1**

Group 2 - Fitness

- PEACTION 10A Beginning Fitness Walking **Units: 1**

Group 3- Individual Sports

- PEACTION 24A Volleyball I **Units: 1**
- PEACTION 25A Basketball I **Units: 1**

Area B

Complete 6 units selected from:

- BIOL 11 Human Biology **Units: 4**
- H ED 31 Emergency Responder **Units: 3**
- PHYSC 2A General Physics **Units: 4**  
or PHYSC 4A Principles of Physics:  
Mechanics **Units: 4**
- STAT C1000 Introduction to Statistics **Units: 4**

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### Minimum Major Units Required: 21

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Physical Education, AS

The Physical Education Associate in Science degree is designed to develop a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career. The program prepares students for careers in physical therapy, athletic training, exercise physiology, sports management, motor learning, sports psychology, personal fitness training and sports medicine. Employment opportunities include educational institutions, commercial/corporate health facilities, private and public fitness and sports centers, recreation departments, and working with sports teams.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the skills and knowledge needed for a comprehensive foundation in physical education.
2. Identify the psychological aspects and dynamics of individual and team sports.
3. Demonstrate the knowledge to understand and assess the health, fitness, and basic nutritional aspects of physical education.
4. Understand human anatomy and physiology pertaining to major body systems.

### Major Requirements - Core

Complete 6 units

- H ED 1 Health Education **Units: 3**
- PETHEORY 40 Introduction to Kinesiology **Units: 3**

### Major Requirements - Restricted Electives

Area A - Theory

Complete 4 units selected from:

- H ED 30 Community First Aid and Safety **Units: 2**

- H ED 31 Emergency Responder **Units: 3**
- PETHEORY 41 Sport in Society **Units: 3**
- PETHEORY 42A Beginning Theory of Basketball **Units: 2**
- PETHEORY 42B Advanced Theory of Basketball **Units: 2**
- PETHEORY 42J Theory of Track and Field **Units: 2**
- PETHEORY 42K Theory of Baseball Offense **Units: 2**
- PETHEORY 42L Theory of Baseball Defense **Units: 2**
- PETHEORY 42M Beginning Theory of Offensive Football **Units: 2**
- PETHEORY 42N Advanced Theory of Offensive Football **Units: 2**
- PETHEORY 42O Beginning Theory of Defensive Football **Units: 2**
- PETHEORY 42P Advanced Theory of Defensive Football **Units: 2**
- PETHEORY 42Q Beginning Coaching of Offensive Football **Units: 1.5**
- PETHEORY 42R Intermediate Coaching of Offensive Football **Units: 1.5**
- PETHEORY 42T Beginning Coaching of Defensive Football **Units: 1.5**
- PETHEORY 42U Intermediate Coaching of Defensive Football **Units: 1.5**
- PETHEORY 42V Theory and Application of Weight Training **Units: 3**
- PETHEORY 42W Beginning Theory of Softball **Units: 2**
- PETHEORY 44A Intro Theory of Soccer **Units: 2**
- PETHEORY 44B Advanced Theory of Soccer **Units: 2**
- PETHEORY 45 Women in Sport **Units: 3**
- PETHEORY 48 Physiology of Fitness and Sport Performance **Units: 3**
- PETHEORY 49 Psychology of Fitness and Sport Performance **Units: 3**
- PETHEORY 51 Fitness Assessment **Units: 3**
- PETHEORY 52 Nutrition for Fitness and Sport Performance **Units: 3**
- PETHEORY 69V Internship: PE Theory **Units: 1-4**

Area B – Conditioning

Complete 4 units selected from:

- ATH 1 Off Season Sports Conditioning **Units: 0.5-1.5**
- ATH 37 Off Season Golf **Units: 0.5-1.5**
- ATH 39 Off Season Swimming **Units: 0.5-1.5**
- ATH 40 Off Season Water Polo **Units: 0.5-1.5**
- ATH 41 Off Season Volleyball **Units: 0.5-1.5**
- ATH 42 Off Season Wrestling **Units: 0.5-1.5**
- ATH 43 Off Season Basketball **Units: 0.5-1.5**
- ATH 44 Off Season Soccer **Units: 0.5-1.5**
- ATH 45 Off Season Baseball **Units: 0.5-1.5**

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- ATH 46 Off Season Football **Units:** 0.5-1.5
- ATH 47 Off Season Softball **Units:** 0.5-1.5
- ATH 48 Off Season Track and Field **Units:** 0.5-1.5
- PEACTION 1A Introductory Swimming **Units:** 1.5
- PEACTION 1B Survival Swimming **Units:** 1.5
- PEACTION 2A Water Fitness I **Units:** 1.5
- PEACTION 2B Water Fitness II **Units:** 1
- PEACTION 10A Beginning Fitness Walking **Units:** 1
- PEACTION 10B Intermediate Fitness Walking **Units:** 1
- PEACTION 11A Yoga I **Units:** 1.5
- PEACTION 11B Yoga II **Units:** 1
- PEACTION 12A Individual Conditioning I **Units:** 1.5
- PEACTION 12B Individual Conditioning II **Units:** 1
- PEACTION 14A Weight Training I **Units:** 1.5
- PEACTION 14B Weight Training II **Units:** 1
- PEACTION 39E Adapted Swimming **Units:** 0.5-1
- PEACTION 39F Adapted Conditioning **Units:** 0.5-1

### Area C - Activity

Complete 4 units selected from:

- ATH 38 Intercollegiate Beach Volleyball **Units:** 3
- ATH 49 Golf Team: Women **Units:** 3
- ATH 50 Soccer Team: Men **Units:** 3
- ATH 51 Water Polo Team: Men **Units:** 3
- ATH 52 Football Team: Men **Units:** 3
- ATH 53 Cross Country Team: Men **Units:** 3
- ATH 54 Baseball Team: Men **Units:** 3
- ATH 55 Golf Team: Men **Units:** 3
- ATH 56 Basketball Team: Men **Units:** 1.5
- ATH 57 Track Team: Men **Units:** 3
- ATH 58 Wrestling Team: Men **Units:** 3
- ATH 60 Swimming & Diving Team: Men **Units:** 3
- ATH 61 Soccer Team: Women **Units:** 3
- ATH 62 Volleyball Team: Women **Units:** 3
- ATH 63 Swimming and Diving Team: Women **Units:** 3
- ATH 64 Basketball Team: Women **Units:** 1.5
- ATH 65 Softball Team: Women **Units:** 3
- ATH 68 Track Team: Women **Units:** 3
- ATH 69 Cross Country Team: Women **Units:** 3
- PEACTION 18A Beginning Fall Spirit Training **Units:** 2
- PEACTION 18B Advanced Fall Spirit Training **Units:** 2
- PEACTION 19A Beginning Spring Spirit Training **Units:** 1
- PEACTION 19B Advanced Spring Spirit Training **Units:** 1
- PEACTION 24A Volleyball I **Units:** 1
- PEACTION 24B Volleyball II **Units:** 1
- PEACTION 25A Basketball I **Units:** 1
- PEACTION 25B Basketball II **Units:** 1
- PEACTION 26A Soccer I **Units:** 1

- PEACTION 26B Soccer II **Units:** 1
- PEACTION 34A Badminton I **Units:** 0.5-1
- PEACTION 34B Badminton II **Units:** 0.5-1

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units:** 27
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units:** 40
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units:** 37

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## Fitness Specialist Certificate of Achievement

Upon successful completion of the Fitness Specialist certificate, the student demonstrates skills, knowledge, and training for entry level or higher positions in the fitness industry. The student will be prepared to take the National Strength and Conditioning Association's Certified Personal Trainer Certification exam. The student demonstrates skills, knowledge, and training for employment as a strength and conditioning coach, exercise specialist for a clinical setting, wellness instructor, and personal fitness trainers; to conduct fitness evaluations for individually designed programs that include nutrition, exercise routines, and motivation approaches; and to transfer to a bachelor's degree program in physical education, exercise science, or kinesiology.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate skills, knowledge, and training for employment as strength and conditioning coaches, exercise specialists for clinical and work settings, wellness coaches, and personal fitness trainers.
2. Conduct fitness evaluations for individually designed programs that include nutrition, exercise routines, exercise adherence and motivational approaches.
3. Demonstrate principles of training and conditioning, techniques for measurement of human performance and physical fitness, exercise psychology, professionalism in a health

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and fitness setting, and methods for establishing healthy nutritional patterns.

4. Demonstrate skills to motivate, increase adherence, set effective goals, and steps of behavior change.
5. Demonstrate basic physiology and kinesiology and the physical adaptations of exercise.

### Core Requirements

Complete 7 units

- PETHEORY 40 Introduction to Kinesiology **Units: 3**
- PETHEORY 42V Theory and Application of Weight Training **Units: 3**
- PETHEORY 69V Internship: PE Theory **Units: 1-4**

### Area A - Activity Requirement

Complete 2 units from at least two different PEACTION courses selected from:

- PEACTION 10A Beginning Fitness Walking **Units: 1**
- PEACTION 11A Yoga I **Units: 1.5**
- PEACTION 12A Individual Conditioning I **Units: 1.5**
- PEACTION 14A Weight Training I **Units: 1.5**

### Area B - Specialization Requirement

Complete 9 units selected from:

- H ED 1 Health Education **Units: 3**
- H ED 31 Emergency Responder **Units: 3**
- PETHEORY 48 Physiology of Fitness and Sport Performance **Units: 3**
- PETHEORY 49 Psychology of Fitness and Sport Performance **Units: 3**
- PETHEORY 50SS Special Studies: Physical Education **Units: 1-4**
- PETHEORY 51 Fitness Assessment **Units: 3**
- PETHEORY 52 Nutrition for Fitness and Sport Performance **Units: 3**

### Minimum Units Required: 18

Complete all courses with a grade of "C" or better.

## Languages

### Spanish, AA-T

The Associate in Arts in Spanish for Transfer degree provides a sequential course of studies that will give students a greater understanding of the Spanish language and Spanish cultures/area studies. The program will promote language acquisition in a cultural context. Emphasis will be placed in the acquisition and development of communication skills (listening, speaking, reading and writing) and the promotion of cultural understanding (behaviors, institutions, perspectives and artistic manifestations.) This program is designed as a seamless pathway for students planning to transfer to a California State University (CSU) with a major in Spanish,

and for students who are interesting in acquiring linguistic and cultural competency in Spanish.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate proficient written expression in the Spanish language with appropriate grammatical accuracy, cultural awareness and a clear understanding of linguistic structures.
2. Demonstrate proficient oral expression in the Spanish language with appropriate grammatical accuracy, cultural awareness and a clear understanding of linguistic structures.
3. Demonstrate an understanding of the cultural diversity of Spanish speakers (including behaviors, institutions, historical perspectives and artistic manifestations).

### Major Requirements - Core

Complete 16 units

- SPAN 1 Elementary Spanish I **Units: 4**
- SPAN 2 Elementary Spanish II **Units: 4**
- SPAN 3 Intermediate Spanish I **Units: 4** or SPAN 3A Spanish for Spanish Speakers I **Units: 4**
- SPAN 4 Intermediate Spanish II **Units: 4** or SPAN 4A Spanish for Spanish Speakers II **Units: 4**

### Major Requirements - Restricted Electives

Complete 3 units selected from:

- ANTHR /HUM 4 Introduction to Linguistics **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- SPAN 20 Introduction to Chicana/o and Latina/o Studies through Literature **Units: 5**

### Minimum Major Units Required: 19

Complete all courses with a grade of "C" or better. If a student places out of any core course(s) and is not awarded units for that course, the student will need to complete additional units from Restricted Electives to compensate for the course/units required to reach at least 23 total units in the major.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will

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only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

#### American Sign Language, AA

Upon successful completion of the American Sign Language (ASL) Associate in Arts degree, the student will demonstrate language fluency, as well as cultural knowledge of ASL and the Deaf. The program satisfies the majority of lower division transfer course work by establishing ASL fluency for students planning to transfer to an ASL interpreting, Deaf Education or Deaf Studies program. It is highly recommended that students see a Counselor or ASSIST.org for information regarding transfer requirements for this major at specific universities.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate clear and precise expressive and receptive skills in American Sign Language with appropriate grammatical accuracy.
2. Demonstrate appropriate cultural awareness.

#### Major Requirements - Core

Complete 22 units

- COMM DIS 1A Introduction to Communication Disorders **Units: 3**
- COMM DIS 1B Speech, Language and Hearing Development **Units: 3**
- SL 1 Elementary American Sign Language I **Units: 4**
- SL 2 Elementary American Sign Language II **Units: 4**
- SL 3 Intermediate American Sign Language I **Units: 4**
- SL 4 Intermediate American Sign Language II **Units: 4**

#### Major Requirements - Restricted Electives

Complete 2 units selected from:

- SL 31 Elementary American Sign Language Laboratory I **Units: 0.5-1**
- SL 32 Elementary American Sign Language Laboratory II **Units: 0.5-1**
- SL 33 Intermediate American Sign Language Laboratory III **Units: 0.5-1**
- SL 34 Intermediate American Sign Language Laboratory IV **Units: 0.5-1**

### Minimum Major Units Required: 24

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

#### French Language, AA

The French Language Associate in Arts degree provides a base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career. The program prepares students to pursue an undergraduate degree in French. Students will develop proficiency in the four skills: speaking, listening, reading and writing. They will comprehend authentic written materials at the intermediate or advanced level, and they will be able to compose short texts with appropriate use of grammar, syntax and vocabulary. Students will also show cultural awareness, including an understanding of the regional, national and ethnic diversity of the areas in which the language is spoken.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate clear and precise written expression in the French language with appropriate grammatical accuracy and cultural awareness.
2. Demonstrate clear and precise oral expression in the French language with appropriate grammatical accuracy and cultural awareness.

#### Major Requirements - Core

Complete 12 units selected from:

- FREN 1 Elementary French I **Units: 4**
- FREN 2 Elementary French II **Units: 4**
- FREN 3 Intermediate French I **Units: 4**

#### Major Requirements - Restricted Electives

Complete 6 units selected from:

- ART 1B Art History: Europe from the Fifteenth to the Twentieth Century **Units: 3**
- DANCE 6A Ballet I **Units: 2**
- ETHNS 35 Introduction to Black/African American Studies **Units: 3**
- FASHION 8 History of Fashion to the Twentieth Century **Units: 3**
- FREN 4 Intermediate French II **Units: 4**
- FREN 50SS Special Studies: French **Units: 1-4**

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### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

#### Spanish Language, AA

The Spanish Language Associate in Arts degree provides a base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career. The major prepares students to pursue an undergraduate major in Spanish. Majors will develop proficiency in the four skills: speaking, listening, reading and writing. They will comprehend authentic written materials at the intermediate or advanced level, and they will be able to compose short texts with appropriate use of grammar, syntax and vocabulary. Majors will also show cultural awareness, including an understanding of the regional, national and ethnic diversity of the areas in which the language is spoken.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate proficient written expression in the Spanish language with appropriate grammatical accuracy, cultural awareness and a clear understanding of linguistic structures.
2. Demonstrate proficient oral expression in the Spanish language with appropriate grammatical accuracy, cultural awareness and a clear understanding of linguistic structures.

#### Major Requirements - Core

Complete 8 units selected from:

- SPAN 1 Elementary Spanish I **Units: 4**
- SPAN 2 Elementary Spanish II **Units: 4**

#### Major Requirements - Restricted Electives

##### Area A

Complete 4 units selected from:

- SPAN 3 Intermediate Spanish I **Units: 4**

- SPAN 3A Spanish for Spanish Speakers I **Units: 4**

##### Area B

Complete 6 units selected from:

- ANTHR 4 Introduction to Linguistics **Units: 3**
- ENGL 35 Chicano Literature **Units: 3**
- ETHNS 34 Introduction to Chicana/Chicano Studies **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- SPAN 4 Intermediate Spanish II **Units: 4**
- SPAN 4A Spanish for Spanish Speakers II **Units: 4**
- SPAN 20 Introduction to Chicana/o and Latina/o Studies through Literature **Units: 5**

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

#### World Languages and Global Studies, AA

The Associate in Arts in World Languages and Global Studies is a multidisciplinary course of study that encourages global awareness and intercultural communication and understanding through the acquisition of at least one modern language other than English, namely Chinese, French, German, Italian, Japanese, Sign Language, and Spanish. The program is designed with the dual intent of developing both linguistic and cultural competence. Affording multiple opportunities for cross-linguistic and cross-cultural comparisons, the program examines and analyzes language, communication, and global affairs. As the world addresses urgent issues of multiculturalism, race, diversity, and social justice, a broad global perspective as promoted by this program is of great value. The elective component of the program allows students to frame their language acquisition within global studies, coursework in culture and society studies with a regional emphasis or international relations. By developing both linguistic proficiency and intercultural competence,

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the program prepares individuals to function effectively in our increasingly interconnected world, and to build relationships and collaboration across a number of career fields, such as International Business, International Relations, Government, Journalism, Multimedia, Teaching, Non-Profit Organizations, Tourism, Arts, and more.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate proficiency in at least one language other than English.
2. Distinguish the theoretical perspectives of various cultures as they influence the historical, cultural, political, and artistic traditions of communities of color with a particular emphasis on agency and self-affirmation, within the area of global studies.
3. Evaluate the problematic impact of cultural ethnocentrism in the world.
4. Recognize cultural expressions across disciplines.

### Major Requirements - Restricted Electives

Complete a minimum of 16 units of sequential courses in one language or a minimum of 18 units in two levels of two different languages.

- CHIN 1 Elementary Chinese I **Units: 5**
- FREN 1 Elementary French I **Units: 4**
- FREN 2 Elementary French II **Units: 4**
- FREN 3 Intermediate French I **Units: 4**
- FREN 4 Intermediate French II **Units: 4**
- GERM 1 Elementary German I **Units: 5**
- GERM 2 Elementary German II **Units: 5**
- ITAL 1 Elementary Italian I **Units: 4**
- ITAL 2 Elementary Italian II **Units: 4**
- JAPAN 1 Elementary Japanese I **Units: 4**
- JAPAN 2 Elementary Japanese II **Units: 4**
- SL 1 Elementary American Sign Language I **Units: 4**
- SL 2 Elementary American Sign Language II **Units: 4**
- SL 3 Intermediate American Sign Language I **Units: 4**
- SL 4 Intermediate American Sign Language II **Units: 4**
- SPAN 1 Elementary Spanish I **Units: 4**
- SPAN 2 Elementary Spanish II **Units: 4**
- SPAN 3 Intermediate Spanish I **Units: 4**
- SPAN 3A Spanish for Spanish Speakers I **Units: 4**
- SPAN 4 Intermediate Spanish II **Units: 4**
- SPAN 4A Spanish for Spanish Speakers II **Units: 4**

### Restrictive Electives

Complete 3 units selected from:

- ANTHR 1 Cultural Anthropology **Units: 3**
- ANTHR 4 Introduction to Linguistics **Units: 3**

- ART 1A Art History: Europe from Prehistory to 1400 **Units: 3**
- ART 1B Art History: Europe from the Fifteenth to the Twentieth Century **Units: 3**
- ART 2 Art History of the Non-Western World **Units: 3**
- ART 9 Chicana/Latina Art: Resistance and Affirmation Through Painting **Units: 3**
- BUS 55 International Business **Units: 3**
- CIVIL 3 Autobiography of Civilization **Units: 3**
- COMM 7 Intercultural Communication **Units: 3**
- CUL ART 16 Gastronomies of the World **Units: 3**
- DANCE 29 Dance Appreciation **Units: 3**
- DANCE 32 Dance Cultures **Units: 3**
- DANCE 35A Afro-Caribbean Dance I **Units: 3**
- DANCE 35B Afro-Caribbean Dance II **Units: 2**
- DANCE 35C Intermediate Afro-Caribbean Dance III **Units: 2**
- DANCE 35D Advanced Afro-Caribbean Dance IV **Units: 2**
- DANCE 37A West African Dance I **Units: 2**
- DANCE 37B West African Dance II **Units: 2**
- DANCE 37C Intermediate West African Dance III **Units: 2**
- ENGL 35 Chicano Literature **Units: 3**
- ENGL 43C World Literature I **Units: 3**
- ENGL 43D World Literature II **Units: 3**
- ENGL 62A Race and Ethnicity in Literature **Units: 3**
- ENGL 62B Contemporary African American Literature **Units: 3**
- ENGL 62C Asian American Literature **Units: 3**
- FASHION 10 Clothing and Culture **Units: 3**
- GEOG 2 Human Geography **Units: 3**
- GEOG 10 World Regional Geography **Units: 3**
- HIST 2A World History to 1600 **Units: 3**
- HIST 2B World History Since 1600 **Units: 3**
- HIST 4A History of Western Civilization **Units: 3**
- HIST 4B History of Western Civilization **Units: 3**
- HIST 6A History of Asian Civilizations **Units: 3**
- HIST 6C History of the Middle East **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- HIST 34 Asian Pacific American History **Units: 3**
- HUM 3 Autobiography of Civilization **Units: 3**
- HUM 4 Introduction to Linguistics **Units: 3**
- MUSIC 7 Excursions in Music of Our World **Units: 3**
- PHILO 50 Asian Philosophy **Units: 3**
- POLS 2 Introduction to Comparative Politics **Units: 3**
- POLS 5 International Relations **Units: 3**
- POLS 6 International Political Economy **Units: 3**

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- RELGN 14A Great Religions of the Eastern World **Units: 3**
- RELGN 14B Great Religions of the Western World **Units: 3**
- SOCIO 33 Introduction to Race and Ethnicity **Units: 3**
- SPAN 5 Advanced Spanish Introduction to Literature I **Units: 3**
- SPAN 6 Advanced Spanish Introduction to Literature II **Units: 3**

### Minimum Major Units Required: 19

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## American Sign Language Certificate of Achievement

The American Sign Language (ASL) certificate provides students with fluency in working with deaf persons. The ASL certificate is a two-year program of study of a second language that prepares students to communicate at a paraprofessional level. The program satisfies the majority of lower division transfer course work by establishing ASL fluency for students planning to transfer to an ASL interpreting program or Deaf Studies program.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate clear and precise expressive and receptive skills in American Sign Language with appropriate grammatical accuracy.
2. Demonstrate appropriate cultural awareness.

### Core Requirements

Complete 22 units

- COMM 7 Intercultural Communication **Units: 3**
- ENGL C1000 Academic Reading and Writing **Units: 3**
- or ENGL C1000E Academic Reading and Writing Embedded Support Units: 4

- SL 1 Elementary American Sign Language I **Units: 4**
- SL 2 Elementary American Sign Language II **Units: 4**
- SL 3 Intermediate American Sign Language I **Units: 4**
- SL 4 Intermediate American Sign Language II **Units: 4**

### Restricted Electives

Complete 2 units selected from:

- SL 31 Elementary American Sign Language Laboratory I **Units: 0.5-1**
- SL 32 Elementary American Sign Language Laboratory II **Units: 0.5-1**
- SL 33 Intermediate American Sign Language Laboratory III **Units: 0.5-1**
- SL 34 Intermediate American Sign Language Laboratory IV **Units: 0.5-1**

### Minimum Units Required: 24

Complete all courses with a grade of "C" or better.

## Law

### Law, Public Policy, and Society, AA-T

The Associate in Arts for Transfer degree in Law, Public Policy, and Society has been identified as good preparation for law school upon completion of a bachelor's degree. The interdisciplinary coursework emphasizes the development of communication skills, introduces students to the legal field, and prepares students for further study in a variety of majors. Students who opt to pursue this course of study are encouraged to engage in further exploration of one or more specific majors as they select electives for degree completion. Courses required for the degree align with the Pre-Law Studies certificate offered by the College and the Pathway to Law program sponsored by the State Bar of California. Students are encouraged to see a counselor for assistance in developing an educational plan.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of the field of law and the various classifications of the law, including being able to distinguish among the various parts of a contract.
2. Demonstrate the ability to identify and explain the ideas and institutions that make up the American political system, including the legal field, to describe the evolution of civil liberties and rights in the United States and apply this knowledge to current events and legal issues, and to recognize the role of public opinion, interest groups, ethics and political parties regarding the electoral process, law, and public policy in society.
3. Demonstrate the ability to effectively write and speak to persuade a diversity of audiences. The

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development of communication skills will also include demonstration of the ability to analyze, criticize, and advocate for ideas, to communicate for a variety of purposes, to read and comprehend a diversity of texts, and to think critically. Additionally, students will demonstrate the ability to develop awareness of society and its historical roots, as well as to appreciate diversity and to be sensitive to the impact of race, sex, and class on the American experience. Through this program, students will demonstrate the ability to organize information, to engage in argumentation to support a position, to evaluate and cite sources, to explain the historical development of American institutions in law and society, to demonstrate facility with numbers, and to conduct research.

### Major Requirements - Core

Complete 9 units

- BUS 8 Introduction to Law and Society **Units: 3**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support Units: 4
- POLS C1000 American Government and Politics **Units: 3**

### Major Requirements - Restricted Electives

Oral Communication

Complete 3 units selected from:

- COMM C1000 Introduction to Public Speaking **Units: 3**
- COMM 8 Small Group Communication **Units: 3**

### Critical Thinking

Complete 3 units selected from:

- COMM 5 Argumentation and Debate **Units: 3**
- ENGL C1001 Critical Thinking and Writing **Units: 3**
- PHILO 30 Introductory Logic **Units: 3**

### Quantitative Reasoning

Complete 3 units selected from:

- LAW 26 Introductory Statistical Analysis for Law, Policy, and Justice Studies **Units: 4**
- STAT C1000 Introduction to Statistics **Units: 4**
- PSYC 2 Statistical Methods for Psychology & Social Science **Units: 3**

### U. S. History

Complete 3 units selected from:

- HIST 17A History of the United States **Units: 3**
- HIST 17B History of the United States **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**

### Business

Complete 3 units selected from:

- BUS 18A Business Law **Units: 3**
- BUS 19 Legal Environment of Business **Units: 3**

### Ethics

Complete 3 units selected from:

- LAW 25 Ethical Reasoning/Ethics in Practice **Units: 3**
- PHILO 40 Ethics **Units: 3**

### Law, Public Policy, and Society Electives

Complete 3 units not used above selected from:

- AJ 21 Criminal Justice in Society **Units: 3**
- AJ 22 Concepts of Criminal Law **Units: 3**
- AJ 23 Principles and Procedures of the Justice System **Units: 3**
- AJ 24 Legal Aspects of Evidence **Units: 3**
- AJ 28 Juvenile Law and Procedures **Units: 3**
- AJ 40 Community Relations **Units: 3**
- AJ 51 Introduction to Correctional Science in America **Units: 3**
- ANTHR 1 Cultural Anthropology **Units: 3**
- BUS 33 Introduction to Public Administration and Policy **Units: 3**  
or LAW 33 Introduction to Public Administration and Policy **Units: 3**
- BUS 68V Internship: Pathway to Law Program **Units: 1-4**
- COMM 7 Intercultural Communication **Units: 3**
- ECON 3 Principles of Microeconomics **Units: 3**
- ECON 5 Principles of Macroeconomics **Units: 3**
- GEOG 2 Human Geography **Units: 3**
- HIST 27 Women in History **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- HIST 34 Asian Pacific American History **Units: 3**
- LAW 16 Introduction to Social Justice: Law and Social Change **Units: 3**
- LAW 68V Internship: Paralegal/Legal Assistant Program **Units: 1-4**
- POLS 2 Introduction to Comparative Politics **Units: 3**
- POLS 3 Introduction to Political Theory **Units: 3**
- POLS 5 International Relations **Units: 3**
- SOCIO 27 Introduction to Gender **Units: 3**
- SOCIO 33 Introduction to Race and Ethnicity **Units: 3**

### Minimum Major Units Required: 30

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**

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- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Social Justice Studies, AA-T

The Associate in Arts for Transfer degree in Social Justice Studies is intended to meet the lower division requirements for a variety of related majors at a CSU campus (e.g., Ethnic Studies, Gender Studies, Lesbian, Gay, Bisexual and Transgender Studies, and majors related to the study of particular marginalized identity groups; majors related to language, cultural studies, regional studies, or interdisciplinary studies; Global Studies (Concentration in Latin America); History (Latin American History Option); Human Communication (Africana Studies Concentration or Chicano Studies Concentration); International Business (Emphasis in Spanish & Latin America); Labor and Employment Studies; Liberal Studies (Option in Interdisciplinary Studies in Culture & Society or Border Studies Option or Concentration in Ethnic Studies); Negotiation, Conflict Resolution and Peacebuilding; Sociology (Concentration in Critical Race Studies or Concentration Race, Class, and Gender); Sociology with Inequalities and Diversity Option; Social Science with Emphasis in Islamic and Arabic Studies (see <http://adegreewithaguarantee.com/en-us/abouttheprogram/findyourpath.aspx> for a more complete listing of CSU destination majors). Students completing this degree are guaranteed admission to the CSU system, although not necessarily to a particular major or campus. Students may also transfer to non-CSU campuses where transfer requirements are met. The Social Justice Studies AA-T is an interdisciplinary degree that empowers students to be critical analysts of social phenomena, culturally competent communicators, and effective agents for change in law and society. Courses engage students in learning about concepts and values of civil rights and liberties, community, cooperation and collaboration, culture, diversity, ethics, equity, freedom, heterodoxy, human rights, inclusivity, justice, and solidarity, as well as about related legal, political and social movements, protests and resistance, socio-legal studies, law and social change, and conflict analysis and transformation for social justice, equity, and liberation. Courses facilitate open inquiry and the critical examination of issues related to social justice and oppressive structures, systems, and institutions within society. This degree is designed to appeal to the student who is interested in learning about the experiences of marginalized groups. Students gain important foundational knowledge that prepares them to critically examine power dynamics in society through a social justice lens and to

address injustices through civic activism or careers in a variety of fields, such as advocacy, arts, business, child advocacy, clinical psychology, community organization, conflict resolution, criminal justice, disability rights, drama, education, environmental justice, human relations, human rights groups, immigration, international agencies, law, law enforcement, lobbying, media, music, nonprofits, politics, public policy, religious organizations, social science, and social work.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to identify and communicate the significance of age, class and socioeconomic status, criminal history, ethnicity, family and marital status, gender identity, immigrant status, nationality, perceived or actual physical or mental disability, political beliefs and ideological viewpoints, race, religion, and sexual orientation inequality in the distribution of life chances, such as education, health, housing, freedom, employment and career opportunities and environment.
2. Understand and demonstrate the ability to explain the historical and contemporary impact, methods, and potential of legal, political, and social action, movements, and resistance on social justice, liberation, and social change of oppressive structures, systems, and institutions within law and society.
3. Demonstrate the ability to identify and explain categories of discrimination and their effects, such as related social justice issues of ableism, ageism, anti-Semitism, censorship, classism, heterosexism, intolerance, poverty, prejudice, privilege, racism, religionism, subordination, the school-to-prison pipeline, sexism, sectarianism, xenophobia, and other oppressive structures, systems, and institutions within society. Additionally, students will demonstrate an understanding of historical and contemporary efforts and methods to remediate, heal and overcome such issues in law and society.
4. Demonstrate the ability to engage in conflict analysis and transformation for social justice while understanding and defending concepts and values of civil rights and liberties, community, cooperation and collaboration, culture, diversity, ethics, equity, freedom, heterodoxy, human rights, inclusivity, justice, love, peace and non-violence, and solidarity.

### Major Requirements - Core

Complete 9 units

- LAW 16 Introduction to Social Justice: Law and Social Change **Units: 3**
- SOCIO 1B Social Problems **Units: 3**
- HIST 27 Women in History **Units: 3**  
or SOCIO 27 Introduction to Gender **Units: 3**

## CERTIFICATES AND DEGREES BY AREA

### Major Requirements - Restricted Electives

Complete 3 courses from at least two of the following areas not taken as one of the three Core Courses (only one course from Area 4 may be used):

#### Area 1: History or Government

- AJ 21 Criminal Justice in Society **Units: 3**
- BUS 8 Introduction to Law and Society **Units: 3**
- HIST 2A World History to 1600 **Units: 3**
- HIST 2B World History Since 1600 **Units: 3**
- HIST 4A History of Western Civilization **Units: 3**
- HIST 4B History of Western Civilization **Units: 3**
- HIST 6A History of Asian Civilizations **Units: 3**
- HIST 6C History of the Middle East **Units: 3**
- HIST 27 Women in History **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- HIST 34 Asian Pacific American History **Units: 3**
- POLS C1000 American Government and Politics **Units: 3**
- POLS 2 Introduction to Comparative Politics **Units: 3**
- POLS 3 Introduction to Political Theory **Units: 3**
- POLS 6 International Political Economy **Units: 3**

#### Area 2: Arts and Humanities

- ART 2 Art History of the Non-Western World **Units: 3**
- ENGL 35 Chicano Literature **Units: 3**
- ENGL 37 Women in Literature **Units: 3**
- ENGL 43C World Literature I **Units: 3**
- ENGL 43D World Literature II **Units: 3**
- JAPAN 2 Elementary Japanese II **Units: 4**
- MUSIC 7 Excursions in Music of Our World **Units: 3**
- PHILO 6 Introduction to Philosophy **Units: 3**
- PHILO 45 Philosophy of Religion **Units: 3**
- PHILO 50 Asian Philosophy **Units: 3**
- RELGN 14A Great Religions of the Eastern World **Units: 3**
- RELGN 14B Great Religions of the Western World **Units: 3**
- SL 2 Elementary American Sign Language II **Units: 4**
- SL 3 Intermediate American Sign Language I **Units: 4**
- SL 4 Intermediate American Sign Language II **Units: 4**
- SPAN 2 Elementary Spanish II **Units: 4**
- SPAN 3 Intermediate Spanish I **Units: 4**
- SPAN 3A Spanish for Spanish Speakers I **Units: 4**

- SPAN 4 Intermediate Spanish II **Units: 4**
- SPAN 4A Spanish for Spanish Speakers II **Units: 4**
- SPAN 5 Advanced Spanish Introduction to Literature I **Units: 3**
- SPAN 6 Advanced Spanish Introduction to Literature II **Units: 3**

#### Area 3: Social Science

- ANTHR 1 Cultural Anthropology **Units: 3**
- BIOL /PSYC 30 Human Sexuality **Units: 3**
- ECE 21 Child and Adolescent Development **Units: 3**
- COMM 7 Intercultural Communication **Units: 3**
- COMM 11 Intracultural Communication **Units: 3**
- GEOG 2 Human Geography **Units: 3**
- PSYC C1000 Introduction to Psychology **Units: 3**
- PSYC 3 Personal and Social Psychology **Units: 3**
- PSYC /BIOL 30 Human Sexuality **Units: 3**
- SOCIO 1A Introduction to Sociology **Units: 3**
- SOCIO 27 Introduction to Gender **Units: 3**
- SOCIO 33 Introduction to Race and Ethnicity **Units: 3**

#### Area 4: Quantitative Reasoning

- STAT C1000 Introduction to Statistics **Units: 4**
- PSYC 2 Statistical Methods for Psychology & Social Science **Units: 3**
- PSYC 4 Introduction to Research Methods in Psychology **Units: 3**

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### **Paralegal/Legal Assistant Studies, AS**

Upon successful completion of the Paralegal/Legal Assistant Studies Associate in Science degree, the student will be prepared to work as a Paralegal (Legal Assistant) and legal support professional in a variety of settings, including in administrative agencies, corporations, government, insurance companies, nonprofit organizations, private law firms, and other legal environments. This degree program is specifically designed to provide students with the analytical abilities, oral and written communication skills, technological proficiency, and legal competency necessary to assist attorneys in the practice of law. Please note: Paralegals (Legal Assistants) may not provide legal services directly to the public, except as permitted by law. A Paralegal (Legal Assistant) may not engage in, encourage, or contribute to any act which could constitute the unauthorized practice of law. The student will take academic courses, including general education and legal specialty courses, to complete the requirements to become a paralegal according to California law. General education courses develop critical reasoning and writing skills that enhance a student's professional knowledge, skills, and aptitude. Through legal specialty courses, the student will receive a breadth of training in litigation and transactional practices, as well as administrative, civil, and criminal law and procedures in a variety of fields of law. Topics embedded in most legal specialty courses in the program include Paralegal (Legal Assistant) skills and practices, technology use, research, writing, oral communication, legal document production, ethics, and professional responsibility and development. Prior to entering the Paralegal/Legal Assistant Studies degree program and its introductory course, LAW 2, students are strongly encouraged to complete the 21-unit Pre-Law Studies Certificate of Achievement at San Joaquin Delta College in order to develop and demonstrate competency in oral communication, writing proficiency at the college level, and appropriate technology skills to succeed in the program. The Pre-Law Studies certificate can be completed within a one year period in person and/or online. Completion of the Pre-Law Studies certificate secures the benefits of the statewide Pathway to Law program and usually best prepares students for success in the Paralegal/Legal Assistant Studies program. If the Pre-Law Studies certificate is not completed prior to entry into the Paralegal/Legal Assistant Studies degree program, then students should consider completing the certificate and degree concurrently. Students who already possess an Associate in Arts or Science Degree or a Bachelor of Arts or Science Degree from any accredited college or university should seek to earn the Paralegal/Legal Assistant Studies Certificate of Achievement rather than the A.S. degree because adequate general education will have already been completed through the prior degree program. In compliance with California Business and Professions Code section 6450 regarding preparation for work in this field, this degree consists of 31 units of law-related legal specialty courses that can be completed in one year, as well as any courses required to complete the San Joaquin Delta College Associate Degree General Education pattern, IGETC, or the CSU General Education pattern. Whereas general education courses in this degree

program are typically fully transferable, legal specialty courses in this degree program will not likely help fulfill requirements for a bachelor's degree upon transfer. When completing general education requirements, it is strongly recommended that students select courses that also fulfill the requirements of the 21-unit Pre-Law Studies Certificate at San Joaquin Delta College. Further, while completing the Paralegal/Legal Assistant Studies degree, a student should choose general education requirements which apply both toward college graduation requirements and toward the bachelor's degree requirements at the four-year institution in which he/she plans to transfer, if any. Students are encouraged to transfer to a four-year institution to complete a bachelor's degree in any field of interest upon completion of the Paralegal/Legal Assistant Studies program.

### **Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Demonstrate substantive legal knowledge and practical skills for positions as paralegals/legal assistants as a means of improving their own quality of life and the accessibility, quality and affordability of legal services for the people of the State of California.
2. Demonstrate strong written and oral communication skills to produce legal documents, to ethically and effectively interact with others, and to complete tasks performed by paralegal/legal assistants.
3. Demonstrate technology skills appropriate to work successfully as a paralegal/legal assistant.

### **Major Requirements - Core**

Complete 28 units

- LAW 2 Introduction to Paralegal Studies, Legal Assisting, and Law Office Administration **Units: 3**
- LAW 3 Paralegal/Legal Assistant Professional Responsibility, Communications, and Ethics **Units: 3**
- LAW 4 Legal Research, Analysis, and Writing **Units: 3**
- LAW 5 Law Office Technology, Computer Use, and Legal Document Production **Units: 3**
- LAW 6 Advanced Electronic Legal Research and Technology **Units: 3**
- LAW 7 Civil Litigation: Law and Procedure **Units: 3**
- LAW 8 Criminal Litigation: Law and Procedure **Units: 3**
- LAW 9 Transactions: Law and Practice **Units: 3**
- LAW 10 The Professional Paralegal/Legal Assistant **Units: 3**
- LAW 68V Internship: Paralegal/Legal Assistant Program **Units: 1-4**

### **Major Requirements - Restricted Electives**

Complete 3 units selected from:

- LAW 11 Administrative Law and Practice **Units: 3**

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- LAW 12 Land Use Planning, Development, and Environmental Law and Policy **Units: 3**
- LAW 13 Conflict Analysis and Alternative Dispute Resolution Law and Practice **Units: 3**
- LAW 14 Constitutional Law **Units: 3**
- LAW 16 Introduction to Social Justice: Law and Social Change **Units: 3**
- LAW 20 Mock Trial Team **Units: 1-3**

### Minimum Major Units Required: 31

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Paralegal/Legal Assistant Studies Certificate of Achievement

Upon successful completion of the Paralegal/Legal Assistant Certificate of Achievement program, the student will be qualified to work in California as a Paralegal (Legal Assistant) and legal support professional in a variety of settings, including administrative agencies, corporations, government, insurance companies, nonprofit organizations, and especially private law firms or other legal environments. This certificate program is specifically designed to provide students with the analytical abilities, oral and written communication skills, technological proficiency, and legal competency necessary to assist attorneys in the practice of law. The student will take academic courses to complete the requirements to become a paralegal according to California law. The student will receive a breadth of training in litigation and transactional practices, as well as administrative, civil, and criminal law and procedures in a variety of legal specialties. Topics embedded in most courses in the program include Paralegal (Legal Assistant) skills and practices, technology use, research, writing, oral communication, legal document production, ethics, and professional responsibility and development. In compliance with California Business and Professions Code section 6450 regarding preparation for work in this field, this certificate consists of a minimum of 24 units of

law-related legal specialty courses that can be completed in one year.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate substantive legal knowledge and practical skills for positions as paralegals/legal assistants as a means of improving their own quality of life and the accessibility, quality and affordability of legal services for the people of the State of California.
2. Demonstrate strong written and oral communication skills to produce legal documents, to ethically and effectively interact with others, and to complete tasks performed by paralegal/legal assistants.
3. Demonstrate technology skills appropriate to work successfully as a paralegal/legal assistant.

### Core Requirements

Complete 24 units

- LAW 2 Introduction to Paralegal Studies, Legal Assisting, and Law Office Administration **Units: 3**
- LAW 3 Paralegal/Legal Assistant Professional Responsibility, Communications, and Ethics **Units: 3**
- LAW 4 Legal Research, Analysis, and Writing **Units: 3**
- LAW 5 Law Office Technology, Computer Use, and Legal Document Production **Units: 3**
- LAW 6 Advanced Electronic Legal Research and Technology **Units: 3**
- LAW 7 Civil Litigation: Law and Procedure **Units: 3**  
or LAW 8 Criminal Litigation: Law and Procedure **Units: 3**
- LAW 9 Transactions: Law and Practice **Units: 3**
- LAW 10 The Professional Paralegal/Legal Assistant **Units: 3**

### Minimum Units Required: 24

Complete all courses with a grade of "C" or better.

### Pre-Law Studies Certificate of Achievement

Upon successful completion of the Pre-Law Studies Certificate of Achievement program, the student will demonstrate skills, knowledge, and training for positions benefiting from communication skills and general knowledge of law and society, such as legal assistants, legal secretaries, or other legal support workers. Students will be able to identify and apply industry-specific employability skills in law-related careers. Additionally, such students possess the skills and knowledge necessary to continue to pursue a legal education to become a paralegal or lawyer. Since this certificate program is intended to incorporate the course requirements for completion of the statewide Pathway to Law program, students who successfully complete an application to the Pathway to Law program will be eligible to become a California LAW Scholar upon successful

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completion of the required courses. Students who complete this certificate will also satisfy the existing articulation agreements between several California community colleges and several four-year undergraduate institutions to facilitate admissions, as well as to meet the minimum requirements of a special partnership between the community colleges and law schools. According to a memorandum of understanding (MOU) with local universities and law schools, if students achieve specific criteria such as successfully completing certain community college courses that are based on the Shultz-Zedeck Lawyering Competencies (Effectiveness Factors), support for the students, including fee waivers, mentoring, pre-law activities, counseling, internships, and possibly scholarships, will be developed as part of the Pathway to Law program in order to provide students with the best possible chance for success on the LSAT, in the law school admission process, in law school, and/or in a law-related career. The courses in this certificate program are intended to meet the minimum requirements set forth in the MOU. Ultimately, training in the law can help secure employment in a variety of positions in the field of law and elsewhere, including as an attorney, judge, mediator, paralegal, secretary, consultant, educator, court administrator, governmental administrator, business entrepreneur, corporate executive, law enforcement official, or politician.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to identify and explain the ideas and institutions that make up the American political system, including the legal system, to describe the evolution of civil liberties and rights in the United States and apply this knowledge to current events and legal issues, and to recognize the role of public opinion, interest groups, and political parties regarding the electoral process, law, and public policy.
2. Demonstrate the ability to effectively write and speak to persuade a diversity of audiences, to analyze, criticize, and advocate for ideas, to communicate for a variety of purposes, to read and comprehend a diversity of texts, to develop awareness of society and its historical roots, to appreciate diversity and to be sensitive to the impact of race, sex, and class on the American experience, to organize information, to engage in argumentation to support a position, to evaluate and cite sources, to explain the historical development of American institutions in law and society, to demonstrate facility with numbers, and to conduct research.
3. Demonstrate knowledge of the various classifications of the law, including being able to distinguish among the various parts of a contract.

### Core Requirements

Complete 9 units

- BUS 8 Introduction to Law and Society **Units: 3**
- ENGL C1000 Academic Reading and Writing **Units: 3**

- or ENGL C1000E Academic Reading and Writing Embedded Support Units: 4
- POLS C1000 American Government and Politics **Units: 3**

### Restricted Electives

#### Area A

Complete 3 units selected from:

- ENGL 1B College Composition and Literature **Units: 3**
- ENGL C1001 Critical Thinking and Writing **Units: 3**

#### Area B

Complete 3 units selected from:

- HIST 17A History of the United States **Units: 3**
- HIST 17B History of the United States **Units: 3**
- HIST 27 Women in History **Units: 3**
- HIST 30A African-American History to 1877 **Units: 3**
- HIST 30B African-American History Since 1877 **Units: 3**
- HIST 31 Mexican-American History **Units: 3**
- HIST 34 Asian Pacific American History **Units: 3**

#### Area C

Complete 3 units selected from:

- BUS 7 Business Communication **Units: 3**
- COMM C1000 Introduction to Public Speaking **Units: 3**
- COMM 3 Interpersonal Communication **Units: 3**
- COMM 4 Introduction to Human Communication **Units: 3**
- COMM 5 Argumentation and Debate **Units: 3**
- COMM 7 Intercultural Communication **Units: 3**
- COMM 8 Small Group Communication **Units: 3**
- COMM 12 Introduction to Persuasion **Units: 3**
- COMM 52 Speech Activities and Advocacy **Units: 1-3**
- LAW 20 Mock Trial Team **Units: 1-3**

#### Area D

Complete 3 units selected from:

- COMM 14 Statistical Analysis for Communication **Units: 3**
- LAW 26 Introductory Statistical Analysis for Law, Policy, and Justice Studies **Units: 4**
- STAT C1000 Introduction to Statistics **Units: 4**
- PSYC 2 Statistical Methods for Psychology & Social Science **Units: 3**

### Minimum Units Required: 21

Complete all courses with a grade of "C" or better.

Recommended but not required elective courses:

- BUS 68V Internship: Pathway to Law Program **Units: 1-4**

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- LAW 2 Introduction to Paralegal Studies, Legal Assisting, and Law Office Administration **Units: 3**
- LAW 16 Introduction to Social Justice: Law and Social Change **Units: 3**
- LAW 25 Ethical Reasoning/Ethics in Practice **Units: 3**
- LAW 33 Introduction to Public Administration and Policy **Units: 3**
- LAW 35A Pathway to Law Program Seminar: Orientation **Units: 1**
- LAW 50SS Special Studies: Multidisciplinary **Units: 1-4**

## Logistics and Transportation

### Logistics and Transportation, AS

The Logistics and Transportation Associate in Science degree is designed to develop a strong base of knowledge and skills that will serve as a foundation for careers such as Transportation and Material-Moving Machines Supervisor, Vehicle Operator, Cargo and Freight Agent, Emergency Services Dispatcher, Logistics Hub Supervisor, and Transportation Safety Administrator.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate a strong base of knowledge and skills that will serve as a foundation for the pursuit of a career within the industry.
2. Demonstrate knowledge in the areas of transportation and distribution industries including the modes, means, regulations, documentation, and rates of the relevant transportation system, transportation of hazardous materials; physical distribution and warehousing; and details relevant to importing and exporting of goods.
3. Demonstrate knowledge of computer hardware and software at a beginning level.

#### Major Requirements - Core

Complete 18 units

- BUS 17 Business English **Units: 3**
- BUS 51 Introduction to Transportation **Units: 3**
- BUS 57 Introduction to Logistics **Units: 3**
- BUS 84 Purchasing and Supply Management **Units: 3**
- BUS 86 Introduction to Warehouse Management **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**

#### Major Requirements - Restricted Electives

Complete 3 units selected from:

- BUS 20 Introduction to Business **Units: 3**
- BUS 30 Supervision and Human Relations **Units: 3**
- BUS 31 Introduction to Management **Units: 3**
- BUS 55 International Business **Units: 3**

#### Minimum Major Units Required: 21

Complete all courses with a grade of "C" or better.

#### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

#### Minimum Degree Units Required: 60

### Logistics and Transportation Supervisor Certificate of Achievement

Upon successful completion of the Logistics and Transportation Supervisor certificate, the student demonstrates skills, knowledge, and training for positions such as traffic coordinator, dispatcher, freight billing clerk, warehouse control clerk, shipping supervisor, telemarketing and freight salesperson. This includes specialized areas of the transportation and distribution industries such as the modes, means, regulations, documentation, and rates of relevant transportation systems; transportation of hazardous materials; physical distribution and warehousing; and details relevant to importing and exporting of goods.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of terms, regulations and practices for Transportation professionals in California.
2. Explain and complete the forms associated with completing purchasing orders, order quantities, and associated inventory tracking.
3. Demonstrate knowledge of the physical distribution and warehousing of goods and materials.
4. Demonstrate knowledge of contemporary industry information technology systems and the interpretation of data from spreadsheets.

#### Core Requirement

Complete 15 units

- BUS 30 Supervision and Human Relations **Units: 3**
- BUS 51 Introduction to Transportation **Units: 3**
- BUS 57 Introduction to Logistics **Units: 3**

## CERTIFICATES AND DEGREES BY AREA

- BUS 84 Purchasing and Supply Management  
**Units: 3**
- BUS 86 Introduction to Warehouse Management  
**Units: 3**

### Restricted Electives

#### Area A

Complete 3 units selected from:

- CS 11 Fundamentals of Computer Science  
**Units: 3**
- CSA 20 Computer Information Systems Applications  
**Units: 3**

#### Area B

Complete 6 units selected from:

- BIM 39 Office Management **Units: 3**
- BUS 17 Business English **Units: 3**
- BUS 20 Introduction to Business **Units: 3**
- BUS 21 Marketing **Units: 3**
- BUS 31 Introduction to Management **Units: 3**

**Minimum Units Required: 24**

### Traffic Shipping and Receiving Technician Certificate of Achievement

Upon successful completion of the Traffic Shipping and Receiving Technician certificate, the student demonstrates skills, knowledge, and training for entry-level positions preparing and sending (shipping) and taking in (receiving) merchandise sent between companies. The student demonstrates skills to ensure that the right merchandise is being sent and is in acceptable condition, prepare bills of lading and related paperwork for commercial and other shipments, figure freight or postal rates, and record costs and weights of each shipment. The student demonstrates his or her ability to write and keep records and reports on warehouse activities, wrap and address the goods to be shipped, inspect trucks and vans to make sure they're clean, and route items coming into a plant, warehouse, or department.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate skills to ensure that the right merchandise is being sent and is in acceptable condition, prepare bills of lading and related paperwork for commercial and other shipments, figure freight or postal rates and record costs and weights of each shipment.
2. Demonstrate the ability to write and keep records and reports on warehouse activities, wrap and address the goods to be shipped, inspect trucks and vans to make sure they're clean, and route incoming items coming in to a plant, warehouse, or department.
3. Demonstrate skills, knowledge, and training for entry-level positions preparing and sending (shipping) and taking in (receiving) merchandise sent between companies.

### Core Requirements

Complete 3 units

- BUS 51 Introduction to Transportation **Units: 3**

### Restricted Electives

#### Area A

Complete 3 units selected from:

- CS 11 Fundamentals of Computer Science  
**Units: 3**
- CSA 20 Computer Information Systems Applications  
**Units: 3**

#### Area B

Complete 3 units selected from:

- BUS 1A Principles of Accounting **Units: 5**
- BUS 10A Bookkeeping **Units: 3**

#### Area C

Complete 3 units selected from:

- BUS 57 Introduction to Logistics **Units: 3**
- BUS 84 Purchasing and Supply Management  
**Units: 3**
- BUS 98V Work Experience: Business, Accounting, & Business Information Management  
**Units: 1-4**

#### Area D

Complete 3 units selected from:

- BIM 38 Office Technologies and Procedures  
**Units: 3.5**
- BIM 39 Office Management **Units: 3**
- BIM 81 Records and Database Management  
**Units: 3**
- COMM 7 Intercultural Communication **Units: 3**
- ENGL C1000 Academic Reading and Writing  
**Units: 3**
- ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

**Minimum Units Required: 15**

Complete all courses with a grade of "C" or better.

## Machine Technology

### Machining Technology, AS

Upon successful completion of the Machining Technology Associate in Science degree, the student will demonstrate skills, knowledge and training for entry-level positions in a variety of Advanced Manufacturing industries including machine shops, metal fabrication shops, tool and die shops, mold making shops, research and development laboratories, industrial maintenance or millwright positions, and apprenticeships in these fields. The student will demonstrate safe and proper set up and operation of manual, and Computer Numerically Controlled (CNC) machine tools. These include lathes, milling machines, 3D printers, grinders, saws, and drill presses. Students will utilize Computer Aided Drafting (CAD), and Computer

## CERTIFICATES AND DEGREES BY AREA

Aided Machining (CAM) software systems to fabricate parts using CNC machine tools and tools used in Additive Manufacturing. Students will also demonstrate the ability to read and operate inspection tools commonly used in the machining industry. The student will demonstrate his or her ability to apply mathematics, problem solving skills, communication, and machining techniques to the manufacturing process.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Transform information given from a mechanical drawing (print) into a Computer Numerically Controlled (CNC) program used to fabricate metal parts. The part will have these features: hole patterns, contours, and pockets.
2. Create a metal part by developing a Computer Numerically Controlled (CNC) program. The overall project will consist of four components: tooling selection, spindle speed and feed rate calculations, CNC program, and dimensional accuracy of the part.
3. Properly use inspection tools to dimensionally inspect fabricated metal parts.
4. Apply mathematics concepts to solve machining problems such as calculating machining feed rates and spindle speeds.
5. Machine a metal part using a milling machine and standard tooling. The part will have these features: a bolt hole pattern with drilled, reamed or tapped holes, a slot, and a pocket.
6. Machine a metal part using a lathe and standard tooling. The part will have these features: three diameters, a drilled hole, a taper, and a thread.
7. Demonstrate the application of engineering drafting standards for a variety of projects dealing primarily with orthographic projection and visualization.
8. Prepare engineering drawings consistent with industry standards.

### Major Requirements - Core

Complete 30 units

- E TECH 12 Computer-Aided Drafting **Units: 3**
- E TECH 22 Three Dimensional Modeling **Units: 3**
- MACH 70A Machining Fundamentals I **Units: 3**
- MACH 70B Machining Fundamentals II **Units: 3**
- MACH 73A Intermediate Machining Methods I **Units: 3**
- MACH 73B Intermediate Machining Methods II **Units: 3**
- MACH 74A Computer Numerical Controlled Machining - Mill **Units: 3**
- MACH 74B Computer Numerical Controlled Machining - Lathe **Units: 3**
- MACH 76A Computer Aided Machining I **Units: 3**
- MACH 76B Computer Aided Machining II **Units: 3**

### Major Requirements - Restricted Electives

Complete 4 units selected from:

- WELDING 10 Basic Welding for the Trades **Units: 4**
- WELDING 98 Metal Trade Layout, Forming, and Fabrication **Units: 5**

### Minimum Major Units Required: 34

Complete all courses with a grade of "C" or better.

### General Education

Complete the following general education pattern:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 61

### Computer Numerical Control (CNC) Operator/Programmer Certificate of Achievement

Upon successful completion of the CNC Operator certificate, the student will demonstrate skills, knowledge and training for entry-level positions in a variety of industries including machine shops, metal fabrication shops, tool and die shops, mold shops, industrial maintenance or millwright positions, and apprenticeships in these fields. The student will demonstrate the safe and proper set up and operation of Computer Numerically Controlled (CNC) machine tools. In addition to machine operation, the student will create and troubleshoot G & M Code programs. The student will demonstrate his or her ability to apply mathematics, problem solving skills, and machining techniques to the automated manufacturing process.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Use computer aided drafting (CAD) programs to generate digital models.
2. Safely setup and run computerized machine tools.
3. Generate and troubleshoot G&M code programs by hand.
4. Apply mathematical concepts to solve machining problems.
5. Use computers to generate machine readable code for computerized machine tools.
6. Use manufacturer published data to calculate machining feed rates and spindle speeds for automated machine tools.

## CERTIFICATES AND DEGREES BY AREA

### Core Requirements

Complete 18 units

- E TECH 12 Computer-Aided Drafting **Units: 3**
- E TECH 22 Three Dimensional Modeling **Units: 3**
- MACH 74A Computer Numerical Controlled Machining - Mill **Units: 3**
- MACH 74B Computer Numerical Controlled Machining - Lathe **Units: 3**
- MACH 76A Computer Aided Machining I **Units: 3**
- MACH 76B Computer Aided Machining II **Units: 3**

### Minimum Units Required: 18

Complete all courses with a grade of "C" or better.

### Manual Machining Certificate of Achievement

Upon successful completion of the Manual Machining certificate, the student will demonstrate skills, knowledge and training for entry-level positions in a variety of industries including machine shops, metal fabrication shops, tool and die shops, mold shops, industrial maintenance or millwright positions, and apprenticeships in these fields. The student will demonstrate the safe and proper operation of lathe, milling machine, grinding machines, drilling and sawing machines, and other common shop tools. The student will demonstrate an ability to apply mathematics, problem solving skills, and machining techniques to the fabrication process.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Apply mathematics concepts to solve machining problems such as calculating machining feed rates and spindle speeds.
2. Use precision measurement tools to inspect work.
3. Use basic layout techniques to create parts for metal fabrication.
4. Safely setup and run manual machine tool equipment.
5. Join metals with welding processes.
6. Convert graphical information found in engineering drawings into fabricated metal parts.

### Core Requirements

Complete 24 units

- INDUS 94 Industrial Mathematics and Algebra **Units: 3 or higher level mathematics course**
- MACH 70A Machining Fundamentals I **Units: 3**
- MACH 70B Machining Fundamentals II **Units: 3**
- MACH 73A Intermediate Machining Methods I **Units: 3**
- MACH 73B Intermediate Machining Methods II **Units: 3**
- WELDING 10 Basic Welding for the Trades **Units: 4**

- WELDING 98 Metal Trade Layout, Forming, and Fabrication **Units: 5**

### Minimum Units Required: 24

Complete all courses with a grade of "C" or better.

## Mathematics

### Mathematics, AS-T

The Associate in Science for Transfer degree in Mathematics is designed specifically for the student preparing to transfer to a similar major at California State University (CSU) campuses. The study of mathematics improves the student's critical thinking and problem solving skills. A degree in mathematics opens doors to careers in many fields including engineering, medicine, actuarial science, research, computer science and education. Coursework includes a minimum of three semesters of calculus and additional courses in college-level mathematics and/or closely related fields.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate appropriate proficiency with the language of mathematics both through their use of vocabulary and notation and through their ability to understand mathematics written and/or spoken by others.
2. Demonstrate the necessary foundation in integral and differential calculus to transfer to a four-year institution and achieve a degree in a STEM-related field.
3. Analyze a situation, choose mathematical constructs best suited to model the situation, and propose an appropriate solution or conclusion.

### Major Requirements - Core

Complete 13 units

- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**
- MATH 3 Multivariable Calculus **Units: 4**

### Major Requirements - Restricted Electives

Area A

Complete 4 units selected from:

- MATH 4 Differential Equations **Units: 4**
- MATH 5 Linear Algebra **Units: 4**

Area B

Complete 4 units selected from:

- MATH 4 Differential Equations **Units: 4**
- MATH 5 Linear Algebra **Units: 4**
- STAT C1000 Introduction to Statistics **Units: 4**
- PHYSC 4A Principles of Physics: Mechanics **Units: 4**

### Minimum Major Units Required: 21

Complete all courses with a grade of "C" or better.

## CERTIFICATES AND DEGREES BY AREA

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60**

## Multimedia

### Multimedia, AA

The Associate in Arts degree in Multimedia prepares students for a career or further study in the field of digital media or multimedia. Students receive hands-on instruction and training necessary for entry-level employment while completing a general education path of study. Coursework involves work that will allow for jobs in digital media, digital imaging, computer art, multimedia journalism, digital photography, social media marketing, online journalism, audio engineering, web design, and audio/video production. Students will work in a manner that involves industry standards, leaving the program with a portfolio allowing them to pursue jobs immediately upon completion or continue their education.

### Program Learning Outcomes

1. Students will be able to act as multimedia content producers, producing entry-level professional quality content across web and mobile.
2. Students will understand the ethical and legal involved in producing multimedia content.
3. Students will be able to use judgment to determine the best use of digital media technology to deliver information to the masses.

### Major Requirements - Core

Complete 21 units

- GRART 1A Digital Imaging I **Units: 3**
- GRART 1B Digital Imaging II **Units: 3**
- MCOM 5 Social Media and Society **Units: 3**
- MCOM 10 Multimedia Storytelling **Units: 3**
- PHOTO 3A Introduction to Digital Photography **Units: 3**
- DMEDIA 11 Audio Production **Units: 3**
- DMEDIA 21 Video Production **Units: 3**

### Major Requirements - Restricted Electives

Complete 3 units selected from:

- GRART 2A Graphic Design and Layout I **Units: 3**

- MCOM 1 Introduction to Mass Communication **Units: 3**
- PHOTO 1A Introduction to Photography **Units: 3**
- DMEDIA 1 Introduction to Broadcasting/Electronic Media **Units: 3**

### Minimum Major Units Required: 24

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60**

### Multimedia Certificate of Achievement

Upon successful completion of the Certificate of Achievement in Multimedia, the student will demonstrate skills, knowledge, and training necessary for entry-level employment in the specialty areas of the digital media industry: digital imaging, computer art, multimedia journalist, digital photographer, marketing advisor, newspaper videographer, page designer, audio engineer, web designer, and audio/video post production. Students will work in a manner that mirrors industry standards and will build a professional portfolio that will help them pursue jobs in their field as well as higher education.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Exhibit professional behavior and work ethic, as well as demonstrate the ability to design multimedia projects that communicate specific ideas.
2. Demonstrate competency using information and technology in the multimedia platform.
3. Demonstrate an awareness of a variety of software used in multimedia production and the ways that this software can be integrated in the development of projects.

### Core Requirements

Complete 27 units

- DMEDIA 11 Audio Production **Units: 3**

## CERTIFICATES AND DEGREES BY AREA

- DMEDIA 21 Video Production **Units: 3**
- GRART 1A Digital Imaging I **Units: 3**
- GRART 3A Digital Illustration for Graphic Design I **Units: 3**
- MCOM 1 Introduction to Mass Communication **Units: 3**
- MCOM 5 Social Media and Society **Units: 3**
- MCOM 10 Multimedia Storytelling **Units: 3**
- PHOTO 1A Introduction to Photography **Units: 3**
- PHOTO 3A Introduction to Digital Photography **Units: 3**

### Minimum Units Required: 27

Complete all courses with a grade of "C" or better.

## Public Relations Certificate of Achievement

Upon successful completion of the Public Relations Certificate of Achievement, the student will demonstrate skills, knowledge, and training necessary for entry-level employment or career advancement with understanding of strategic public relations, including management of relationships between organizations and their stakeholders. Coursework in effective communication will guide theory-based lessons and experiential practice related to the field. Ethical considerations and planning for crisis communication will be explored. Students will work in a manner mirroring industry standards, with emphasis on building understanding of strategic planning processes, including message development and distribution.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Develop and execute a campaign based on established principles of public relations.
2. Craft messages tailored to organizations for both internal and external communication delivery, with specific focus on proper grammar and punctuation.
3. Recommend delivery methods and implement media based on the target audience.
4. Demonstrate critical thinking and problem solving through written communication, interpersonal, and public speaking skills.

### Core Requirements

Complete 15 units

- MCOM 1 Introduction to Mass Communication **Units: 3**
- MCOM 5 Social Media and Society **Units: 3**
- MCOM 11 Newswriting **Units: 3**
- MCOM 13 Introduction to Public Relations **Units: 3**
- ECON 5 Principles of Macroeconomics **Units: 3**

### Restrictive Electives

Area A

Complete 3 units selected from:

- COMM C1000 Introduction to Public Speaking **Units: 3**
- COMM 14 Statistical Analysis for Communication **Units: 3**
- DMEDIA 31 Media Performance **Units: 3**

Area B

Complete 3 units selected from:

- BUS 8 Introduction to Law and Society **Units: 3**
- BUS 35 Introduction to Leadership **Units: 3**
- LAW 25 Ethical Reasoning/Ethics in Practice **Units: 3**

### Minimum Units Required: 21

Complete all courses with a grade of "C" or better.

## Social Media Strategy Certificate of Completion

Upon successful completion of the noncredit Digital Media Content Entrepreneurship Certificate of Completion, the student will demonstrate introductory level skills, knowledge, and training in content development related to digital media content development and delivery. Students will learn the basics of creating audio and video content to engage in dynamic storytelling, with emphasis on narrative. Strategy will be considered in how to present content for best positioning in a media-saturated marketplace, through content creation and media performance. Ethical considerations and crisis communication will be explored. Students will work in a manner mirroring industry standard, with focus on immediate professional application and portfolio building through experiential practice.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of choosing appropriate mediums to deliver content.
2. Demonstrate understanding of visual content as a vehicle to deliver messaging to mass media audiences.
3. Demonstrate entry-level understanding, development, and execution of audio and video to create professional content.
4. Demonstrate an understanding of strategic communication to develop narratives related to a client.

### Core Requirements

Complete courses listed below:

- MCOM 105 Social Media and Society **Units: 0**
- MCOM 108 Social Media Content **Units: 0**
- MCOM 109 Social Media Strategy **Units: 0**
- BUS 194E Marketing and Advertising Strategies for Small Business **Units: 0**

### Minimum Units Required: 0

Complete all courses with a grade of "P".

## CERTIFICATES AND DEGREES BY AREA

**Total Contact Hours: 180**

### Music

#### Music, AA-T

The Associate in Arts for Transfer in Music prepares students with a strong base of knowledge and skills that will serve as a foundation for further study and completion of the baccalaureate degree. Students majoring in music complete a series of university-transferable courses in the areas of musicianship, music theory, individual performance, and ensemble performance. Fundamental to the study of music is the performance of music. Upon entering the program, the student declares a primary performance medium (instrument or voice) and is assigned an applied instructor with whom the student meets regularly throughout the program. In addition to individual performance, ensemble performance is fundamental for the developing musician.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate proficient keyboard skills.
2. Demonstrate proficient aural skills.
3. Demonstrate the skills required to perform at a proficient level in any size ensemble and as a soloist.
4. Demonstrate proficient written theory skills.
5. Demonstrate an understanding of the standards required to be a successful professional musician.

#### Major Requirements - Core

Complete 18 units

- MUSIC 3A Music Theory and Musicianship I  
**Units: 4**
- MUSIC 3B Music Theory and Musicianship II  
**Units: 4**
- MUSIC 3C Music Theory and Musicianship III  
**Units: 4**
- MUSIC 3D Music Theory and Musicianship IV  
**Units: 4**
- MUSIC 40A Applied Music **Units: 0.5-2**
- MUSIC 40B Applied Music **Units: 0.5-2**
- MUSIC 40C Applied Music **Units: 0.5-2**
- MUSIC 40D Applied Music **Units: 0.5-2**

#### Major Requirements - Restricted Electives

Area A - Large Performance Ensemble

Complete 4 units, at least 1 unit each semester selected from:

- MUSIC 17 Concert Choir **Units: 1**
- MUSIC 26 Symphonic Band **Units: 1-2**
- MUSIC 27 Orchestra **Units: 1-2**
- MUSIC 29 Jazz Band **Units: 1-2**

#### Minimum Major Units Required: 22

Complete all courses with a grade of "C" or better.

#### General Education

Complete the following general education pattern:

- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

#### Minimum Degree Units Required: 60

#### Music, AA

The Associate in Arts degree in Music is designed to develop a strong base of knowledge and skills within the discipline that will serve as a foundation for further study. Students majoring in music complete a series of university-transferable courses in the areas of musicianship, music theory, individual performance, and ensemble performance.

Fundamental to the study of music is the performance of music. Upon entering the program, the student declares a primary performance medium (instrument or voice) and is assigned an applied instructor with whom the student meets regularly throughout the program. Students also demonstrate fundamental keyboarding skills by passing a piano proficiency examination or completing appropriate coursework. In addition to individual performance, ensemble performance is fundamental for the developing musician. The department offers numerous performing ensembles that serve to provide opportunities for majors and non-majors alike.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Develop fundamental competencies in current music technology.
2. Demonstrate proficient keyboard skills.
3. Demonstrate proficient aural skills.
4. Demonstrate the skills required to perform at a proficient level in any size ensemble and as a soloist.
5. Demonstrate proficient written theory skills.
6. Demonstrate an understanding of the standards required to be a successful professional musician.

#### Major Requirements - Core

Complete 20 units

- MUSIC 3A Music Theory and Musicianship I  
**Units: 4**
- MUSIC 3B Music Theory and Musicianship II  
**Units: 4**

## CERTIFICATES AND DEGREES BY AREA

- MUSIC 3C Music Theory and Musicianship III **Units: 4**
- MUSIC 3D Music Theory and Musicianship IV **Units: 4**
- MUSIC 40A Applied Music **Units: 0.5-2**
- MUSIC 40B Applied Music **Units: 0.5-2**
- MUSIC 40C Applied Music **Units: 0.5-2**
- MUSIC 40D Applied Music **Units: 0.5-2**

### Major Requirements - Restricted Electives

#### Area A - Large Performance Ensemble

Complete 4 units, at least 1 unit each semester selected from:

- MUSIC 17 Concert Choir **Units: 1**
- MUSIC 26 Symphonic Band **Units: 1-2**
- MUSIC 27 Orchestra **Units: 1-2**
- MUSIC 29 Jazz Band **Units: 1-2**

#### Area B

Complete a Piano Proficiency Examination or the following:

- MUSIC 38A Class Piano for Music Majors I **Units: 1**
- MUSIC 38B Class Piano for Music Majors II **Units: 1**
- MUSIC 38C Class Piano for Music Majors III **Units: 1**
- MUSIC 38D Class Piano for Music Majors IV **Units: 1**

### Minimum Major Units Required: 24

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## Nursing

### Nursing, AS

Upon successful completion of the Associate Degree in

Nursing program, the graduate demonstrates the skills, knowledge and training to successfully complete the National Council Licensing Examination for Registered Nurses (NCLEX-RN) and is qualified to provide patient care in a variety of health care settings within the scope of practice of the Registered Nurse.

NOTE: Please refer to the current catalog for information about Special Admissions Programs.

### Program Learning Outcomes

1. Through application of the nursing process, utilizing best practices across the life-span in a variety of settings, the graduate will facilitate optimum client outcomes through nursing care that incorporates professionalism, leadership, inter-professional collaboration, teamwork, and quality improvement.
2. Through application of the nursing process, utilizing best practices across the life-span in a variety of settings, the graduate will facilitate optimum client outcomes by managing care that promotes health maintenance through client advocacy and education.
3. Through application of the nursing process, utilizing best practices across the life-span in a variety of settings, the graduate will facilitate optimum client outcomes by providing therapeutic communication to clients, their families/significant others.
4. Through application of the nursing process, utilizing best practices across the life-span in a variety of settings, the graduate will facilitate optimum client outcomes by managing care that addresses the emotional, mental, social, and cultural needs of clients, their families/significant others.
5. Through application of the nursing process, utilizing best practices across the life-span in a variety of settings, the graduate will facilitate optimum client outcomes by managing (1) the activities of daily living for clients, (2) comfort measures of clients, and (3) safe and accurate medication administration and parenteral therapies to clients.
6. Through application of the nursing process, utilizing best practices across the life-span in a variety of settings, the graduate will facilitate optimum client outcomes which are based upon decisions and care that prevent and / or manage complications or health problems related to existing conditions, treatments, or procedures by providing evidence-based care to multiple clients with acute, chronic and/or life threatening physical conditions.
7. Through application of the nursing process, utilizing best practices across the life-span in a variety of settings, the graduate will facilitate optimum client outcomes by providing quality, effective nursing care in an environment that is safe for clients, their families/significant others and other health care personnel.

## CERTIFICATES AND DEGREES BY AREA

### Major Requirements - Core

Complete 54.5 units

- BIOL 31 Human Anatomy **Units: 4**
- BIOL 32 Human Physiology **Units: 5**
- FCS /H S 19 Human Development **Units: 3**
- NURSADN 1 Fundamentals of Nursing Practice **Units: 5**
- NURSADN 2 Introduction Medical-Surgical Nursing **Units: 5**
- NURSADN 4 Maternal, Newborn, and Reproductive Health Nursing **Units: 4**
- NURSADN 5 Infancy Through Young Adult Nursing **Units: 4**
- NURSADN 6 Intermediate Medical-Surgical Nursing **Units: 4.5**
- NURSADN 7 Mental Health and Psychiatric Nursing **Units: 4**
- NURSADN 8 Advanced Medical-Surgical Nursing **Units: 5**
- NURSADN 9 Transition to Nursing Practice **Units: 5**
- PSYC C1000 Introduction to Psychology **Units: 3**
- SOCIO 1A Introduction to Sociology **Units: 3**

### Major Requirements - Restricted Electives

Complete 4 units selected from:

- BIOL 22 Introduction to Medical Microbiology **Units: 4**
- BIOL 23 General Microbiology **Units: 5**

### Minimum Major Units Required: 58.5

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

BIOL 31 or BIOL 32, SOCIO 1A and FCS 19 or H S 19 may be double counted to meet both general education and major requirements.

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 76.5

### Nurse Assistant and Home Health Aide Certificate of Completion

Upon successful completion of the Nurse Assistant and Home Health Aide Certificate of Completion, students will demonstrate skills, knowledge, and training for entry-level employment or career advancement in the healthcare field. The program sequence is designed to meet the California Department of Public Health regulations and prepare students for employment as a Certified Nurse Assistant and a Home Health Aide.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the skills and training to take the certification examination to become a Certified Nurse Assistant. The student demonstrates skills, knowledge, and training to provide direct patient care in acute and long-term care settings within the scope of practice of a Certified Nurse Assistant.
2. Demonstrate the skills and training to become a Home Health Aide. The student demonstrates skills, knowledge, and training to provide direct patient care in the home setting within the scope of practice of a Home Health Aide.

### Core Requirements

Complete the courses listed below:

- H S 170 Nurse Assistant Training **Units: 0**
- H S 171 Home Health Aide **Units: 0**

### Minimum Units Required: 0

Complete all courses with a grade of "P".

**Total Contact Hours: 270**

## Photography

### Photography, AA

The Photography Associate in Arts degree is designed to develop a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career. Students are encouraged to see a counselor for assistance in developing an educational plan that will identify the lower division major preparation and general education coursework that corresponds to the intended major and specific transfer institution. Students should consult [www.ASSIST.org](http://www.ASSIST.org) for current course articulation in their major. Career opportunities for photographers include Advertising Photographer, Aerial and Underwater Photographer, Art Documentation Photographer, Corporate Photographer, Commercial Photographer - Architectural, Commercial Photographer - Portrait, Commercial Photographer - Product, Commercial Printing and Reproduction, Darkroom Lab Technician and/or Manager, Digital Imaging Technician, Digital Photographic Illustrator, Documentary and Editorial Photographer, Fashion Photographer, Film-Set Photographer, Fine Art Photographer, Fine Art Printing Assistant, Forensic Photographer, Free-lance Photographer, Graphic Artist, Laboratory Manager, Nature Photographer, Photo Editor, Manager for Fine Art or Commercial Photography Studio,

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Photographic Assistant, Photographic Retoucher, Photojournalist, Professional Photo-Lab Custom Printer, Photographic Sales, Sports Photographer, Stock Photographer, Studio and Wedding Photography, Theater Production Photographer, Wedding and Event Photographer.

Students are encouraged to see a counselor for assistance in developing an educational plan that will identify the lower division major preparation and general education coursework that corresponds to the intended major and specific transfer institution. Students should consult [www.assist.org](http://www.assist.org) for current course articulation in their major.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to apply concepts and aesthetics to create and evaluate photographic images.
2. Demonstrate skills in digital technologies. Including using a digital camera, properly preparing files to print, and creating a final portfolio.
3. Demonstrate the ability to use the traditional tools of photography, including developing film, printing photographs, and critiquing photographs.
4. Demonstrate a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career.

### Major Requirements - Core

Complete 20 units

- ART 6 2D Design and Color **Units: 3**
- GRART 1A Digital Imaging I **Units: 3**
- GRART 1B Digital Imaging II **Units: 3**
- PHOTO 1A Introduction to Photography **Units: 3**
- PHOTO 1B Intermediate Photography **Units: 3**
- PHOTO 3A Introduction to Digital Photography **Units: 3**
- PHOTO 34 Workshop Projects **Units: 2**

### Major Requirements - Restricted Electives

Complete 3 units selected from:

- ART 7A Painting I **Units: 3**
- ART 20A Sculpture I **Units: 3**
- ART 40A Printmaking I **Units: 3**
- ART 64A Ceramics I **Units: 3**
- MCOM 7 Photojournalism **Units: 3**

### Minimum Major Units Required: 23

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**

- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Photography Certificate of Achievement

The Photography Certificate of Achievement will provide the student with a strong foundation in aesthetic principles as well as a range of practical photographic techniques needed for college transfer, entry into the photographic workplace or for artistic expression. Students are encouraged to develop a personal, expressive style, achieve technical excellence and examine the role of photography in society. Career opportunities for photographers include Advertising Photographer, Aerial and Underwater Photographer, Art Documentation Photographer, Corporate Photographer, Commercial Photographer - Architectural, Commercial Photographer - Portrait, Commercial Photographer - Product, Commercial Printing and Reproduction, Darkroom Lab Technician and/or Manager, Digital Imaging Technician, Digital Photographic Illustrator, Documentary and Editorial Photographer, Fashion Photographer, Film-Set Photographer, Fine Art Photographer, Fine Art Printing Assistant, Forensic Photographer, Free-lance Photographer, Graphic Artist, Laboratory Manager, Nature Photographer, Photo Editor, Manager for Fine Art or Commercial Photography Studio, Photographic Assistant, Photographic Retoucher, Photojournalist, Professional Photo-Lab Custom Printer, Photographic Sales, Sports Photographer, Stock Photographer, Studio and Wedding Photography, Theater Production Photographer, Wedding and Event Photographer.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career.
2. Demonstrate the ability to apply concepts and aesthetics to create and evaluate photographic images.
3. Demonstrate skills in digital technologies. Including using a digital camera, properly preparing files to print, and creating a final portfolio.
4. Demonstrate the ability to use the traditional tools of photography, including developing film, printing photographs, and critiquing photographs.

### Core Requirements

Complete 17 units

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- DMEDIA 21 Video Production **Units: 3**
- GRART 1A Digital Imaging I **Units: 3**
- PHOTO 1A Introduction to Photography **Units: 3**
- PHOTO 3A Introduction to Digital Photography **Units: 3**
- PHOTO 3B Intermediate Digital Photography **Units: 3**
- PHOTO 34 Workshop Projects **Units: 2**

### Restricted Electives

Complete 3 units selected from:

- ART 6 2D Design and Color **Units: 3**
- ART 7A Painting I **Units: 3**
- ART 40A Printmaking I **Units: 3**
- ART 64A Ceramics I **Units: 3**
- MCOM 7 Photojournalism **Units: 3**
- MCOM 8 Social Media Content **Units: 3**
- MCOM 9 Social Media Strategy **Units: 3**

### Minimum Units Required: 20

Complete all courses with a grade of "C" or better.

## Physics

### Physics, AS-T

This program is designed for students planning to transfer to a California State University (CSU) with a major in Physics. Physics is a fundamental science and the laws of physics govern the behavior of the world around us. Courses in physics provide students with an opportunity to gain a variety of important skills which are essential for success in today's workforce. These include critical thinking and problem solving skills, verbal and written communication skills, as well as the ability to collaborate and work effectively and responsibly as a member of a team. All of this is achieved within the context of gaining a thorough understanding of the fundamental laws of physics.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate skills and knowledge needed for transfer to the CSU system as physics majors.
2. Demonstrate critical thinking skills and problem solving techniques for problems in physics.
3. Work within a small laboratory group, to record data and report their findings.
4. Collaborate and engage in teamwork with a view to achieving a common goal.

### Major Requirements - Core

Complete 25 units

- MATH 1 Calculus I **Units: 5**
- MATH 2 Calculus II **Units: 4**
- MATH 3 Multivariable Calculus **Units: 4**
- PHYS 4A Principles of Physics: Mechanics **Units: 4**

- PHYS 4B Principles of Physics: Waves, Sound, and Thermodynamics **Units: 4**
- PHYS 4C Principles of Physics: Electricity and Magnetism **Units: 4**

### Minimum Major Units Required: 25

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## Political Science

### Political Science, AA-T

The Associate in Arts for Transfer degree in Political Science is designed to provide a seamless pathway for students planning to transfer to a California State University (CSU) with a major in political science. Politics has an impact on everybody's lives, and as citizens and voters, students should be informed about political issues and choices. Majors in political science learn to think critically, express their opinions in a thoughtful manner, analyze political events, evaluate political ideologies and make informed decisions on how to participate in political processes. The goal for study as a political science major is to maximize students' capacity to analyze and interpret the dynamics of political events and governmental processes and their significance. Training in political science courses should equip students with analytical skills including: (1) the ability to recognize and understand the use of theory, analytic frames and models and their use to interpret and understand political phenomena; (2) the ability to recognize the importance of and to weigh the worth of evidence marshaled to support or oppose an argument; (3) the ability coherently to systematize and accumulate political information and knowledge and to use this stock of knowledge to better understand the political world. With these skills, and the ability to read and think critically, to write effectively and express themselves clearly, students can undertake a variety of careers. Students with a political science major enter careers in business, law, teaching, government, and in policy-related fields. The political science major complements a student's liberal arts education with an emphasis on understanding the theoretical and practical aspects of government and politics. The major is structured to provide students with a

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background in the basic fields of political science, as well as to permit them a range of choice in completing the program.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Identify and employ the pertinent vocabulary of political discourse and political science.
2. Examine and apply theories, concepts, and practices in political theory.
3. Recognize, describe and analyze the significant and usually direct influence of social, economic and cultural factors on political behavior, beliefs, and institutions.
4. Assess how the design of political institutions and processes affect policy and stability.
5. Identify the institutions, players and processes in American national and state governments.
6. Demonstrate a knowledge of contemporary comparative systems and governments.
7. Analyze world politics and diplomacy in the international system.

### Major Requirements - Core

Complete 3 units

- POLS C1000 American Government and Politics **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 9 units selected from:

- STAT C1000 Introduction to Statistics **Units: 4** or PSYC 2 Statistical Methods for Psychology & Social **Science Units: 3**
- POLS 2 Introduction to Comparative Politics **Units: 3**
- POLS 3 Introduction to Political Theory **Units: 3**
- POLS 5 International Relations **Units: 3**

Area B

Complete 6 units selected from:

- BUS 8 Introduction to Law and Society **Units: 3**
- POLS 4 California Politics **Units: 3**
- POLS 6 International Political Economy **Units: 3**

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course

subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## POST Academy

### Police Science, AS

Upon successful completion of the Police Science degree, students possess the knowledge and skills to earn both the Associate in Science degree and Basic Police Officer Academy certification accredited by the California Commission on Peace Officer Standards and Training (POST). Students are qualified for employment as a California Peace Officer, Deputy Sheriff, or Level I Reserve Officer. Graduating students successfully demonstrate ethical conduct, the ability to make judgments concerning the enforcement of the law without prejudice, apply the level of force that can lawfully be used by a peace officer, recognize the importance of initial and ongoing training in coping with dangerous situation, analyze and solve problems, write reports that conform to accepted professional standards of quality, and recognize and understand concepts of terminology that is needed to understand the California criminal justice system.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Fulfill the transfer requirements for an accredited baccalaureate institution.
2. Perform the duties of a Level I Reserve Peace Officer, or full time Peace Officer as defined by Peace Officer Training and Standards (POST).
3. Demonstrate the knowledge of a citizen's civil rights protected by the United States Constitution.
4. Demonstrate the ability to recognize and apply the level and types of force that can lawfully be used by a peace officer.

### Major Requirements - Core

Complete 36 units

- AJ 95A Basic Police Academy Module III **Units: 6.5**
- AJ 95B Basic Police Academy Module II **Units: 9**
- AJ 95C Basic Police Academy Module I **Units: 20**

### Minimum Major Units Required: 36

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**

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- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units:** 40
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units:** 37

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 63

#### Basic Peace Officer Academy Certificate of Achievement

Upon successful completion of the Basic Peace Officer Academy Modular Format, the students will receive a certificate of completion that qualifies them for employment as a California Peace Officer, Deputy Sheriff, Level I Reserve Officer. The student will have successfully demonstrated his or her ability to demonstrate ethical conduct; make judgments concerning the enforcement of the law without prejudice; apply the level of force that can lawfully be used by a peace officer; recognize the importance of initial and ongoing training in coping with dangerous situations; analyze and solve problems; write reports that conform to accepted professional standards of quality; and recognize and understand the concepts and terminology that is needed to understand the California criminal justice system. The California Commission on Peace Officer Standards and Training accredits this program.

NOTE: Please refer to the current catalog for information about Special Admissions Programs.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Perform the duties of a Level I Reserve Peace Officer, or full time Peace Officer as defined by Peace Officer Training and Standards (POST).
2. Demonstrate the knowledge of a citizen's civil rights protected by the United States Constitution.
3. Demonstrate the ability to recognize and apply the level and types of force that can lawfully be used by a peace officer.

#### Core Requirements

Complete 36 units

- AJ 95A Basic Police Academy Module III **Units:** 6.5
- AJ 95B Basic Police Academy Module II **Units:** 9
- AJ 95C Basic Police Academy Module I **Units:** 20

### Minimum Units Required: 36

Complete all courses with a grade of "C" or better.

## Psychiatric Technician

### Psychiatric Technology, AS

Upon successful completion of the Psychiatric Technology Associate in Science degree, the student demonstrates skills and knowledge to successfully complete the State of California examination for licensure as a Psychiatric Technician.

NOTE: Please refer to the current catalog for information about Special Admissions Programs.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Participate in providing care for clients with acute, chronic or life-threatening physical health conditions.
2. Reduce the potential for clients to develop complications or health problems related to treatments, procedures or existing conditions.
3. Provide care related to the administration of medications and monitors clients who are receiving parenteral therapies.
4. Assist in the promotion of physical health and well-being by providing comfort to clients and assistance in the performance of their activities of daily living.
5. Deliver optimal health care individualized to the differences in ethnicity, religion, gender, level of education, socioeconomic status, presence of disability, and sexual orientation.
6. Provide care that assists with the promotion and support of the emotional, mental and social well-being of clients.
7. Meet client needs through providing nursing care that contributes to the enhancement of the health care delivery setting and protects clients and health care personnel by contributing to the protection of clients and health care personnel from health and environmental hazards.
8. Meet client needs through providing nursing care that contributes to the enhancement of the health care delivery setting and protects clients and health care personnel by collaborating with health care team members to facilitate effective client care.
9. Provide nursing care for clients that incorporates knowledge of expected stages of growth and development and prevention and/or early detection of health problems.

#### Major Requirements - Core

Complete 45 units

- NURSPT 10 Foundations of Nursing **Units:** 3
- NURSPT 10L Foundations of Nursing Lab **Units:** 2

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- NURSPT 11 Medical Surgical Nursing I  
**Units: 2.5**
- NURSPT 11L Medical Surgical Nursing I Lab  
**Units: 3**
- NURSPT 12 Medical Surgical Nursing II  
**Units: 2.5**
- NURSPT 12L Medical Surgical Nursing II Lab  
**Units: 2**
- NURSPT 20 Pharmacology I **Units: 1.5**
- NURSPT 21 Pharmacology II **Units: 1.5**
- NURSPT 22 Pharmacology III **Units: 1**
- NURSPT 30 Developmental Disabilities Nursing  
**Units: 3.5**
- NURSPT 30L Developmental Disabilities Nursing Lab  
**Units: 3**
- NURSPT 31 Advanced Developmental Disability Nursing  
**Units: 3.5**
- NURSPT 31L Advanced Developmental Disability Nursing Lab  
**Units: 3**
- NURSPT 40 Psychiatric Nursing I **Units: 3.5**
- NURSPT 40L Psychiatric Nursing I Lab **Units: 3**
- NURSPT 41 Psychiatric Nursing II **Units: 3.5**
- NURSPT 41L Psychiatric Nursing II Lab **Units: 3**

### Minimum Major Units Required: 45

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 72

### Psychiatric Technician Certificate of Achievement

Upon successful completion of the Psychiatric Technician certificate, the student demonstrates skills and knowledge to successfully complete the State of California examination for licensure as a Psychiatric Technician and is qualified to provide care to clients in a variety of health care settings within the scope of practice of the Psychiatric Technician. NOTE: Please refer to the current catalog for information about programs with Special Admission Requirement.

### Program Learning Outcomes

1. The graduate will participate in providing care for clients with acute, chronic or life-threatening physical health conditions.
2. The graduate will reduce the potential for clients to develop complications or health problems related to treatments, procedures or existing conditions.
3. The graduate will provide care related to the administration of medications and monitors clients who are receiving parenteral therapies.
4. The graduate will assist in the promotion of physical health and well-being by providing comfort to clients and assistance in the performance of their activities of daily living.
5. The graduate will deliver optimal health care individualized to the differences in ethnicity, religion, gender, level of education, socioeconomic status, presence of disability, and sexual orientation.
6. The graduate will provide care that assists with the promotion and support of the emotional, mental and social well-being of clients.
7. The graduate will provide nursing care for clients that incorporates knowledge of expected stages of growth and development and prevention and/or early detection of health problems.
8. The graduate will meet client needs through providing nursing care that contributes to the enhancement of the health care delivery setting and protects clients and health care personnel by contributing to the protection of clients and health care personnel from health and environmental hazards.
9. The graduate will meet client needs through providing nursing care that contributes to the enhancement of the health care delivery setting and protects clients and health care personnel by collaborating with health care team members to facilitate effective client care.

### Core Requirements

Complete 45 units

- NURSPT 10 Foundations of Nursing **Units: 3**
- NURSPT 10L Foundations of Nursing Lab  
**Units: 2**
- NURSPT 11 Medical Surgical Nursing I  
**Units: 2.5**
- NURSPT 11L Medical Surgical Nursing I Lab  
**Units: 3**
- NURSPT 12 Medical Surgical Nursing II  
**Units: 2.5**
- NURSPT 12L Medical Surgical Nursing II Lab  
**Units: 2**
- NURSPT 20 Pharmacology I **Units: 1.5**
- NURSPT 21 Pharmacology II **Units: 1.5**
- NURSPT 22 Pharmacology III **Units: 1**
- NURSPT 30 Developmental Disabilities Nursing  
**Units: 3.5**
- NURSPT 30L Developmental Disabilities Nursing Lab  
**Units: 3**

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- NURSPT 31 Advanced Developmental Disability Nursing **Units: 3.5**
- NURSPT 31L Advanced Developmental Disability Nursing Lab **Units: 3**
- NURSPT 40 Psychiatric Nursing I **Units: 3.5**
- NURSPT 40L Psychiatric Nursing I Lab **Units: 3**
- NURSPT 41 Psychiatric Nursing II **Units: 3.5**
- NURSPT 41L Psychiatric Nursing II Lab **Units: 3**

### Minimum Units Required: 45

Complete all courses with a grade of "C" or better.

## Psychology

### Psychology, AA-T

This program is designed to satisfy the lower division requirements for students planning to transfer to a California State University (CSU) with a major in psychology. The study of psychology involves acquiring knowledge about human and animal behavior as a basis for further study in advanced courses, as a basis for working with clients in a supervised therapy setting, and as a basis for being an informed citizen in our society. It is not just acquisition of knowledge but also an understanding of the variety of causes for human cognition, emotions, and behavior. An understanding of the causation of behavior leads to greater sensitivity and compassion toward the motives of other people and a more specific and accurate interpretation of their behavior. It also results in greater insight into and acceptance of the reasons for one's own behavior and as a possible vehicle for change. Course substitutions are not permitted for this degree.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate a knowledge and understanding of the variety of causes for human cognition, emotions, and behavior.

### Major Requirements - Core

Complete 16 units

- BIOL 11 Human Biology **Units: 4**
- PSYC C1000 Introduction to Psychology **Units: 3**
- PSYC 2 Statistical Methods for Psychology & Social Science **Units: 3**
- PSYC 4 Introduction to Research Methods in Psychology **Units: 3**
- PSYC 6 Lifespan Psychology **Units: 3**

### Major Requirements - Restricted Electives

Complete 3 units selected from:

- PSYC 3 Personal and Social Psychology **Units: 3**
- PSYC 7 Abnormal Psychology **Units: 3**
- PSYC /BIOL 30 Human Sexuality **Units: 3**

### Minimum Major Units Required: 19

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Psychology, AA

The Major in Psychology is designed to develop a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Recognize and apply the five major theories of psychology.
2. Apply basic counseling skills.

### Major Requirements - Core

Complete 3 units (recommended prior to enrolling in other Psychology courses)

- PSYC C1000 Introduction to Psychology **Units: 3**

### Major Requirements - Restricted Electives

Complete 15 units selected from:

- PSYC 3 Personal and Social Psychology **Units: 3**
- PSYC 4 Introduction to Research Methods in Psychology **Units: 3**
- PSYC 6 Lifespan Psychology **Units: 3**
- PSYC 7 Abnormal Psychology **Units: 3**
- PSYC 11 Assessment for Treatment Planning **Units: 3**
- PSYC 13 Law, Ethics and Communicable Disease in Counseling **Units: 3**
- PSYC /BIOL 30 Human Sexuality **Units: 3**
- PSYC 40 Case Management and Treatment Planning **Units: 3**
- PSYC /SOCIO 45A Beginning Field Practicum **Units: 3**
- PSYC /SOCIO 45B Intermediate Field Practicum **Units: 3**
- PSYC 52 Introduction to Substance Abuse Counseling **Units: 3**

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- PSYC 53 Drugs and Society **Units: 3**

### Minimum Major Units Required: 18

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Mental Health Specialist Certificate of Achievement

Upon successful completion of the Mental Health Specialist certificate, the student will be prepared to work in an entry level position in one or more of the following: Provide patient care and counseling on the inpatient unit; provide case management for non-complex client case caseload; provide group and individual counseling for emotional, drug, or other mental health problems in an outpatient program. The student will take academic courses to prepare him/her for an entry level position within behavioral health facility. The students will receive training in case management skills for a routine case load, provide group and individual counseling for emotional, drug, alcohol, and co-occurring issues; Students will also develop skill in analyzing crisis situations accurately and learn to take appropriate actions, learn to treatment plans, and to express ideas clearly and concisely both orally and written.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the skills needed to obtain entry level position in counseling or related fields.
2. Apply counseling skills and techniques.

### Core Requirements

Complete 48 units

- COMM C1000 Introduction to Public Speaking **Units: 3**
- ENGL C1000 Academic Reading and Writing **Units: 3** or ENGL C1000E Academic Reading and Writing Embedded Support **Units: 4**

- H S 36 Medical Terminology and Speech **Units: 3**
- PSYC C1000 Introduction to Psychology **Units: 3**
- PSYC 2 Statistical Methods for Psychology & Social Science **Units: 3**
- PSYC 3 Personal and Social Psychology **Units: 3**
- PSYC 6 Lifespan Psychology **Units: 3**
- PSYC 7 Abnormal Psychology **Units: 3**
- PSYC 11 Assessment for Treatment Planning **Units: 3**
- PSYC 13 Law, Ethics and Communicable Disease in Counseling **Units: 3**
- PSYC 16 Introduction to Counseling Skills **Units: 3**
- PSYC 17 Introduction to Counseling Theories (Individual, Group & Family) **Units: 3**
- PSYC 30 Human Sexuality **Units: 3**
- PSYC 40 Case Management and Treatment Planning **Units: 3**
- PSYC /SOCIO 45A Beginning Field Practicum **Units: 3**
- PSYC /SOCIO 45B Intermediate Field Practicum **Units: 3**

### Minimum Units Required: 48

Complete all courses with a grade of "C" or better.

### Substance Abuse Counselor Certificate of Achievement

Upon successful completion of the Substance Abuse Counselor certificate, the student demonstrates skills, knowledge, and training to counsel people in recovery, while under the supervision of licensed professionals. Skills learned include but are not limited to: an understanding of substance abuse counseling techniques; the impact of drugs on society; interviewing skills that maximize the information obtained from clients necessary for determining needs and services; assessment and evaluation; relapse prevention; the ability to prepare case plans, an understanding of the basic aims and processes involved in facilitating groups; an understanding of the basic process of individual counseling and problem solving, and an understanding of the basic principles and methods related to working with family systems. Students completing the course work are eligible to take the California state exam to become a certified substance abuse counselor. To apply to be a Certified Advanced Alcohol and Drug Abuse Counselor (CAADAC), students will need to complete an additional 65 internship hours in an approved facility.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the knowledge and skills for entry level employment in the industry.
2. Demonstrate the knowledge and requirements to take the state certification.

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### Core Requirements

Complete 39 units

- PSYC C1000 Introduction to Psychology **Units: 3**
- PSYC 2 Statistical Methods for Psychology & Social Science **Units: 3**
- PSYC 7 Abnormal Psychology **Units: 3**
- PSYC 11 Assessment for Treatment Planning **Units: 3**
- PSYC 13 Law, Ethics and Communicable Disease in Counseling **Units: 3**
- PSYC 16 Introduction to Counseling Skills **Units: 3**
- PSYC 17 Introduction to Counseling Theories (Individual, Group & Family) **Units: 3**
- PSYC 26 Co-Occurring Disorders: Treatment and Management **Units: 3**
- PSYC 40 Case Management and Treatment Planning **Units: 3**
- PSYC /SOCIO 45A Beginning Field Practicum **Units: 3**
- PSYC /SOCIO 45B Intermediate Field Practicum **Units: 3**
- PSYC 52 Introduction to Substance Abuse Counseling **Units: 3**
- PSYC 53 Drugs and Society **Units: 3**

### Additional Requirements:

- Internship: A minimum of 160\* supervised intern hours in a California State licensed substance abuse facility. \*California Association of Alcohol and Drug Abuse Counselors (CAADAC) requires 255 hours.
- Internship: A minimum of 255 supervised intern hours in a substance abuse facility. May be accrued from paid work experience, volunteer work or through enrollment in the SJDC Work Experience Program.

### Minimum Units Required: 39

Complete all courses with a grade of "C" or better.

## Radiologic Technology

### Radiologic Technology Certificate of Achievement

Radiologic Technology is a 24-month program offered at San Joaquin General Hospital and approved by the Joint Review Committee on Education in Radiologic Technology. Completion of the program allows graduates to take the state and national examination for registration in Medical Radiologic Technology. The student must successfully complete prerequisite courses in mathematics, anatomy, physiology, chemistry, and medical terminology before admission to the program. The course of study includes theory related to radiography, x-ray, radium physics, radiographic techniques, and application of theory in the clinical laboratory in a radiology department. A 40-hour per week training schedule is maintained.

NOTE: Please refer to the current catalog for information about Special Admissions Programs.

### Program Learning Outcome

Upon successful completion of this program, students will be able to:

1. Take the state and national examination for registration in Medical Radiologic Technology. The course of study includes theory related to radiography, x-ray, radium physics, radiographic techniques, and application of theory in the clinical laboratory in a radiology department.

### Core Requirements

Complete 80.5 units

- RAD 10 Introduction to Radiography **Units: 3.5**
- RAD 10A Beginning Clinical Laboratory **Units: 3**
- RAD 10B Intermediate Clinical Laboratory **Units: 6**
- RAD 11 Radiographic Positioning and Terminology **Units: 6**
- RAD 12 Radiographic Anatomy **Units: 2**
- RAD 13 Principles of Radiographic Technique **Units: 4**
- RAD 14 Imaging Processing **Units: 1**
- RAD 20 Advanced Radiographic Positioning and Terminology **Units: 4**
- RAD 20A Advanced Clinical Laboratory **Units: 8**
- RAD 21 Advanced Radiographic Anatomy **Units: 2**
- RAD 22 Fundamentals of X-Ray and Radium Physics **Units: 4**
- RAD 23 Positioning and Technical Laboratory **Units: 0.5**
- RAD 30 Intermediate Positioning and Technical Laboratory **Units: 0.5**
- RAD 30A Senior Clinical Laboratory **Units: 5**
- RAD 30B Advanced Senior Clinical Laboratory **Units: 10**
- RAD 31 Advanced Positioning and Technical Laboratory **Units: 1**
- RAD 32 Sectional Anatomy **Units: 2**
- RAD 40 Senior Review, Adv. Radiation Protection, & Fluoroscopic Systems **Units: 6**
- RAD 40A Radiographic Laboratory **Units: 9**
- RAD 41 Radiographic Pathology and Image Critique **Units: 3**

### Minimum Units Required: 80.5

Complete all courses with a grade of "C" or better.

## Real Estate

### Real Estate, AS

The Real Estate Associate in Science degree is designed to develop a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career. Students will gain knowledge and skills necessary

## CERTIFICATES AND DEGREES BY AREA

to serve as a real estate professional, including basic real estate terminology and concepts related to real estate law, sales, finance, property management, real estate appraisal, and related fields. The degree provides the basic background and information needed as a future employer of sales people in real estate, as well to serve in a variety of roles operating in the real estate industry (e.g., developers, government agencies, escrow companies, loan officer, mortgage banker, property manager). Upon successful completion of this degree, including the related Salesperson and Broker certificates, students will be able to: 1. Meet the requirements set by the State of California to qualify to take the Real Estate Salesperson and Broker licensing exams. 2. Prepare the student to successfully pass the State of California Real Estate Salesperson and Broker licensing exams. 3. Define the role, responsibility and ethical conduct of a licensed real estate professional in California. Upon successfully completing all California Department of Real Estate (DRE) requirements, including passing the examination, a license will need to be approved by the DRE. For additional information regarding the California Real Estate Broker and Salesperson licenses, refer to <http://www.dre.ca.gov>. The license is required of individuals who conduct licensed real estate activities as described by California Real Estate Law. Students are encouraged to continue their real estate training for professional development throughout their careers.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate a strong base of knowledge and skills that will serve as a foundation for further study and/or pursuit of a career in real estate.
2. Demonstrate knowledge in Real Estate sales, property management, real estate appraisal, or related fields.
3. Explain and complete the forms associated with a real estate transaction.
4. Demonstrate knowledge of economic factors affecting real estate transactions and trends.
5. Demonstrate knowledge of property management principles and regulations.

### Major Requirements - Core

Complete 15 units

- BUS 40 Real Estate Principles **Units: 3**
- BUS 41 Real Estate Practice **Units: 3**
- BUS 42 Real Estate Finance **Units: 3**
- BUS 43 Legal Aspects of Real Estate **Units: 3**
- BUS 46 Property Management **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 3 units selected from:

- BUS 26 Economics of Business **Units: 3**
- BUS 45 Real Estate Economics **Units: 3**

Area B

Complete 6 units selected from:

- BUS 1A Principles of Accounting **Units: 5**

or BUS 3 Financial Accounting **Units: 5**

or BUS 10A Bookkeeping **Units: 3**

- BUS 8 Introduction to Law and Society **Units: 3**  
or BUS 18A Business Law **Units: 3**  
or BUS 18B Business Law **Units: 3**  
or BUS 19 Legal Environment of Business **Units: 3**
- BUS 22 Professional Selling **Units: 3**
- BUS 23 Advertising **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**

### Minimum Major Units Required: 24

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Real Estate Broker Certificate of Achievement

Building off of the four (4) courses required for the Real Estate Salesperson Certificate of Achievement, the purpose of the Real Estate Broker Certificate of Achievement is to help a student complete the additional five (5) courses required to take the California Real Estate Broker licensing examination. Prior to taking the California Real Estate Broker's License Exam, the applicant must have completed five (5) required core courses and three (3) additional elective courses (see <https://www.dre.ca.gov/examinees/requirementsbroker.html>). The courses included in this certificate are designed to fulfill the coursework requirements for a student to take the written examination for a Real Estate Broker license, as well as to help develop a plan to launch a successful real estate career upon graduation. These courses also provide the basic background and information needed as a future employer of sales people in real estate. Upon successfully completing all California Department of Real Estate (DRE) requirements, including passing the examination, a license will need to be approved by the DRE. For additional information regarding the California Real Estate Broker license, refer to <http://www.dre.ca.gov>. The license is required of individuals who conduct licensed real estate activities as described by Real Estate Law in

## CERTIFICATES AND DEGREES BY AREA

California. Students are encouraged to continue their real estate training by completing the requirements for the Real Estate A.S. degree or Certificate of Achievement. To earn a certificate of achievement, students must complete each of the required courses with a "C" grade or higher.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Meet the requirements set by the State of California to qualify to take the Real Estate Broker licensing exam.
2. Prepare the student to successfully pass the State of California Real Estate Broker licensing exam.
3. Define the role, responsibility and ethical conduct of a licensed real estate broker in California.

### Core Requirements

Complete 21 units

- BUS 40 Real Estate Principles **Units: 3**
- BUS 41 Real Estate Practice **Units: 3**
- BUS 42 Real Estate Finance **Units: 3**
- BUS 43 Legal Aspects of Real Estate **Units: 3**
- BUS 44 Real Estate Appraisal **Units: 3**
- BUS 45 Real Estate Economics **Units: 3**
- BUS 46 Property Management **Units: 3**

### Restricted Electives

Complete 3 units selected from:

- BUS 18A Business Law **Units: 3**
- BUS 18B Business Law **Units: 3**

### Minimum Units Required: 24

Complete all courses in major with grade of "C" or better.

### Real Estate Certificate of Achievement

Upon successful completion of the Real Estate Certificate of Achievement, the student demonstrates skills, knowledge, and training for entry-level positions such as real estate sales associates, property management, real estate appraisal, or assistants in real estate offices. The student demonstrates their ability to: perform the essential services necessary for the buyers and sellers of real property thereby providing for the orderly transfer of property such as helping buyers finding property that meets their needs and financial resources; obtain property listings; make preliminary estimates; anticipate prospective buyers' questions; prepare a purchase agreement; work with title or escrow companies, lenders, home inspectors, and pest control operators to facilitate the completion of the transaction; and meet requirements for state licensure as a salesperson. The student who specializes in property management demonstrates skills, knowledge, and training to oversee the day-to-day management of income-producing commercial and residential properties and manage the common property of condominium associations. The student who specializes in real estate appraisal demonstrates the skills, knowledge, and training to compute estimates of value of real property

which are required when property is bought, sold, assessed, taxed, condemned, insured, or mortgaged. NOTE: Please refer to the California Department of Real Estate website for licensing information. (<http://www.dre.ca.gov/>). A license is required of individuals who conduct licensed real estate activities as described by California Real Estate Law. Students are encouraged to continue their real estate training for professional development throughout their careers.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of terms, regulations and practices for Real Estate professionals in California.
2. Explain and complete the forms associated with a real estate transaction.
3. Demonstrate knowledge of economic factors affecting real estate transactions and trends.
4. Demonstrate knowledge of property management principles and regulations.
5. Demonstrate knowledge of appraisal and financing options and rules for real estate transactions.
6. Demonstrate knowledge in business, mathematics, accounting, law, construction, and/or computer software.

### Core Requirements

Complete 15 units

- BUS 40 Real Estate Principles **Units: 3**
- BUS 41 Real Estate Practice **Units: 3**
- BUS 42 Real Estate Finance **Units: 3**
- BUS 43 Legal Aspects of Real Estate **Units: 3**
- BUS 46 Property Management **Units: 3**

### Restricted Electives

Area A

Complete 3 units selected from:

- BUS 26 Economics of Business **Units: 3**
- BUS 45 Real Estate Economics **Units: 3**

Area B

Complete 6 units selected from:

- BUS 1A Principles of Accounting **Units: 5**  
or BUS 3 Financial Accounting **Units: 5**  
or BUS 10A Bookkeeping **Units: 3**
- BUS 8 Introduction to Law and Society **Units: 3**  
or BUS 18A Business Law **Units: 3**  
or BUS 18B Business Law **Units: 3**  
or BUS 19 Legal Environment of Business **Units: 3**
- BUS 22 Professional Selling **Units: 3**
- BUS 23 Advertising **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**

### Minimum Units Required: 24

Complete all courses with a grade of "C" or better.

## **Real Estate Salesperson Certificate of Achievement**

The purpose of this certificate is to help prepare a student to take the Real Estate Salesperson licensing examination. The courses listed in the Real Estate Salesperson Certificate of Achievement will qualify a student to take the written examination for a real estate salesperson license (see <https://www.dre.ca.gov/examinees/requirementsales.html>). Upon successfully passing the examination and other California Department of Real Estate (DRE) requirements, a license will need to be approved by the DRE. For additional information regarding the Real Estate Salesperson license, refer to <http://www.dre.ca.gov>. The license is required of individuals who conduct licensed real estate activities as described by Real Estate Law in California. Licensed Real Estate Salespersons work under the supervision of a licensed broker. Real Estate Salespersons are generally employed in real estate offices serving the general public; however, some agents secure employment with commercial enterprises operating in the real estate industry (e.g., developers, government agencies, escrow companies, loan officer, mortgage banker, property manager). Students are encouraged to continue their real estate training by completing the requirements for the Real Estate Broker Certificate of Achievement and the Real Estate A.S. degree or Certificate of Achievement as well. To earn a Certificate of Achievement, students must complete each of the required courses with a "C" grade or higher.

### **Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

1. Meet the requirements set by the State of California to qualify to take the Real Estate Salesperson licensing exam.
2. Prepare the student to successfully pass the State of California Real Estate Sales licensing exam.
3. Define the role, responsibility and ethical conduct of a licensed sales agent in California.
4. Analyze how to acquire and hold real estate in California.

### **Core Requirements**

Complete 6 units

- BUS 40 Real Estate Principles **Units: 3**
- BUS 41 Real Estate Practice **Units: 3**

### **Restricted Electives**

Area A

Complete 3 units

- BUS 18A Business Law **Units: 3**
- BUS 18B Business Law **Units: 3**
- BUS 42 Real Estate Finance **Units: 3**
- BUS 43 Legal Aspects of Real Estate **Units: 3**
- BUS 44 Real Estate Appraisal **Units: 3**
- BUS 45 Real Estate Economics **Units: 3**
- BUS 46 Property Management **Units: 3**

Area B

Complete 3 units

- BIM 38 Office Technologies and Procedures **Units: 3.5**
- BIM 79 Microsoft Outlook **Units: 2**
- BUS 7 Business Communication **Units: 3**
- BUS 12 Latinx and Latin American Culture and Entrepreneurship **Units: 3**
- BUS 15 Excel Spreadsheets **Units: 3**
- BUS 17 Business English **Units: 3**
- BUS 19 Legal Environment of Business **Units: 3**
- BUS 21 Marketing **Units: 3**
- BUS 22 Professional Selling **Units: 3**
- BUS 23 Advertising **Units: 3**
- BUS 32 Managing Diversity and Inclusion **Units: 3**
- BUS /LAW 33 Introduction to Public Administration and Policy **Units: 3**
- BUS 67 Introduction to Personal Finance **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**
- FCS 3 Personal and Family Finance **Units: 3**
- LAW 5 Law Office Technology, Computer Use, and Legal Document Production **Units: 3**
- LAW 12 Land Use Planning, Development, and Environmental Law and Policy **Units: 3**
- LAW 13 Conflict Analysis and Alternative Dispute Resolution Law and Practice **Units: 3**
- LAW 25 Ethical Reasoning/Ethics in Practice **Units: 3**

**Minimum Units Required: 12**

Complete all courses with a grade of "C" or better.

## **Robotics and Automation Technology**

### **Automation Technology - Mechatronics, AS**

The Automation Technology, Mechatronics Associate in Science degree will take the student through the major components of industrial robotics and automation. Electronics and electrical applications are covered to develop troubleshooting techniques. Robotics will provide familiarity with the basic movement and placement of equipment. An Electric Motors course is intended to provide experience with current drive systems. Programmable Logic Controllers will be covered to provide computer based control and programming. Through a selected progression of electronic, electrical, mechanical, and troubleshooting courses, the student will be able to function as an Electronics Automation Technician/Mechanic.

### **Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

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1. Construct and control a pick-and-place pneumatic system.
2. Create a Ladder Logic Diagram to control a Programmable Logic Controller.
3. Demonstrate the ability to troubleshoot robotics circuits at 100% accuracy to industry standards.

### Major Requirements - Core

Complete 29.5 units

- CNT 30A Introduction to Computer Networks **Units: 4**
- E TECH 47 Introduction to Industrial Control Systems **Units: 3**
- ELECT 11 AC and DC Network Analysis **Units: 4**
- ELECT 12 Solid State Devices **Units: 4**
- ELECT 13A Digital Logic, Circuits, and Systems **Units: 4**
- ELECT 14B Advanced Electronics Troubleshooting **Units: 2.5**
- ELECT 17 Robotics / Automation Introduction **Units: 4**
- ELECT 18 Robotics / Automation /Mechatronics Systems **Units: 4**

### General Education

Complete the following general education pattern:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Major Units Required: 29.5

Complete all courses with a grade of "C" or better.

### Minimum Degree Units Required: 60

### Automation Technician - Mechatronics Certificate of Achievement

The Automation Technician, Mechatronics certificate will take the student through the major components of industrial robotics and automation. Electronics and electrical applications are covered to develop troubleshooting techniques. Robotics will provide familiarity with the basic movement and placement of equipment. An Electric Motors course is intended to provide experience with current drive systems. Programmable Logic Controllers will be covered to provide computer based control and programming. Through a selected progression of electronic, electrical, mechanical,

and troubleshooting courses, the student will be able to function as an Electronics Automation Technician/Mechanic.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to troubleshoot robotics circuits at 100% accuracy to industry standards.
2. Create a Ladder Logic Diagram to control a Programmable Logic Controller.
3. Construct and control a pick-and-place pneumatic system.

### Core Requirements

Complete 33.5 units

- CNT 30A Introduction to Computer Networks **Units: 4**
- E TECH 47 Introduction to Industrial Control Systems **Units: 3**
- ELECT 11 AC and DC Network Analysis **Units: 4**
- ELECT 12 Solid State Devices **Units: 4**
- ELECT 13A Digital Logic, Circuits, and Systems **Units: 4**
- ELECT 14B Advanced Electronics Troubleshooting **Units: 2.5**
- ELECT 17 Robotics / Automation Introduction **Units: 4**
- ELECT 18 Robotics / Automation /Mechatronics Systems **Units: 4**
- Associate Degree Math Requirement **Credits / Units: 4**

### Minimum Units Required: 33.5

Complete all courses with a grade of "C" or better.

## Speech Language Pathology Assistant

### Speech Language Pathology Assistant, AS

Upon successful completion of the Speech Language Pathology Assistant Associate in Science degree, the graduate is able to apply for licensure with the State of California. A licensed Speech Language Pathology Assistant (SLPA) works under the direction of a supervising Speech Language Pathologist (SLP) and demonstrates skills, knowledge and training to practice in a variety of settings within the parameters of the SLPA scope of practice. A licensed SLPA may work with infants, children, adults and seniors in educational, clinical and medical settings. Limitations on reimbursement for services provide by SLPAs from potential third-party insurers, may affect employment opportunities in certain settings. The graduate will be able to conduct screenings for speech, language and hearing disorders without interpretation, administer treatment as prescribed by the supervising Speech Language Pathologist and assist with clinical documentation.

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NOTE: Please refer to the current catalog for information about Special Admissions Programs.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate appropriate workplace behaviors related to the American Speech and Hearing Association Code of Ethics and the scope of practice for a Speech Language Pathology Assistant.
2. Meet the educational requirements for licensure as a Speech Language Pathology Assistant with the State of California, Medical Quality Assurance, Speech Language Pathology and Audiology and Hearing Aid Dispensers Board.
3. Provide program operational assistance to the supervising Speech Language Pathologist by completing clerical tasks, preparing appropriate therapy materials, scheduling, facilitating public relations and maintaining equipment.
4. Provide direct treatment assistance to patients or clients in multiple settings, with diverse populations, under the supervision of a speech language pathologist by implementing treatment plans, completing speech and language screenings without interpretation, assisting with evaluations and documenting patient/client progress.

### Major Requirements - Core

Complete 41.5 units

- ANTHR /HUM 4 Introduction to Linguistics **Units: 3**
- COMM 7 Intercultural Communication **Units: 3**
- COMM DIS 1A Introduction to Communication Disorders **Units: 3**
- COMM DIS 1B Speech, Language and Hearing Development **Units: 3**
- COMM DIS 3 Therapy Analysis and Field Observation **Units: 4.5**
- COMM DIS 5 Therapy Materials and Procedures **Units: 3**
- COMM DIS 7 Service Delivery Issues for the SLPA **Units: 3**
- COMM DIS 9 Remediation Techniques **Units: 6-6.5**
- ECE 34 Children with Special Needs **Units: 3**
- FCS /H S 19 Human Development **Units: 3**
- PSYC C1000 Introduction to Psychology **Units: 3**
- SL 1 Elementary American Sign Language I **Units: 4**

### Major Requirements - Restricted Electives

Area A

Complete 4 units selected from:

- BIOL 1 Cell and Molecular Biology **Units: 4**
- BIOL 11 Human Biology **Units: 4**
- BIOL 31 Human Anatomy **Units: 4**
- BIOL 32 Human Physiology **Units: 5**
- BIOL 33 Anatomy & Physiology **Units: 6**

Area B

Complete 3 units selected from:

- BIM 38 Office Technologies and Procedures **Units: 3.5**
- BIM 43 Records Management in Public Agencies **Units: 3**
- CS 11 Fundamentals of Computer Science **Units: 3**
- CSA 20 Computer Information Systems Applications **Units: 3**

### Minimum Major Units Required: 48.5

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree General Education Pattern **Units: 27**
- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 63.5

### Speech Language Pathology Assistant Advanced Placement Certificate of Achievement

Upon successful completion of the Speech Language Pathology Assistant Advanced Placement certificate, the student is able to apply for licensure with the State of California. A licensed Speech Language Pathology Assistant (SLPA) works under the direction of a supervising Speech Language Pathologist (SLP) and demonstrates skills, knowledge and training to practice in a variety of settings within the parameters of the SLPA scope of practice. A licensed SLPA may work with infants, children, adults and seniors in the educational, clinical and medical settings. Limitations on reimbursement for services provided by SLPAs from potential third party insurers may affect employment opportunities in certain settings. The graduate will be able to conduct screenings for speech, language and hearing disorders without interpretation, administer treatment as prescribed by the supervising Speech Language Pathologist and assist with clinical documentation. Students who wish to complete this certificate must have completed an undergraduate degree in speech language pathology/communication sciences and disorders. All others must complete the SLPA AS degree.

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### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Provide direct treatment assistance to patients or clients in multiple settings, with diverse populations, under the supervision of a speech language pathologist by implementing treatment plans, completing speech and language screenings without interpretation, assisting with evaluations and documenting patient/client progress.
2. Provide program operational assistance to the supervising Speech Language Pathologist by completing clerical tasks, preparing appropriate therapy materials, scheduling, facilitating public relations and maintaining equipment.
3. Meet the educational requirements for licensure as a Speech Language Pathology Assistant with the State of California, Medical Quality Assurance, Speech Language Pathology and Audiology and Hearing Aid Dispensers Board.
4. Demonstrate appropriate workplace behaviors related to the American Speech and Hearing Association Code of Ethics and the scope of practice for a Speech Language Pathology Assistant.

NOTE: Please refer to the current catalog for information about Special Admissions Programs.

### Core Requirements

Complete 12 units

- COMM DIS 5 Therapy Materials and Procedures **Units: 3**
- COMM DIS 7 Service Delivery Issues for the SLPA **Units: 3**
- COMM DIS 9 Remediation Techniques **Units: 6-6.5**

### Minimum Units Required: 12

Complete all courses with a grade of "C" or better.

## Theatre Arts

### Theatre Arts, AA-T

The Theatre Arts Associate in Arts for Transfer degree is designed for students planning to transfer to a California State University (CSU) with a major in Theatre Arts. Upon completion, students will demonstrate the skills, knowledge and training necessary for advanced degree transfer in theatre arts. Students complete a rigorous, disciplined curriculum in acting, theatre history, and theatre production specifically designed to prepare them for advanced study in theatre arts. The program seeks to unlock the student's intuitive potential in theatre arts, while providing a powerful, yet flexible set of techniques and skills. Additionally, the program will contribute to the student's development of people management skills, collaboration strategies, and artistic aesthetics.

### Program Learning Outcomes

Upon successfully completing this program, students will be able to:

1. Demonstrate the skills required to perform at a proficient level in individual and ensemble acting exercises including: scene study, voice and movement, audition techniques.
2. Demonstrate the skills required to perform at a proficient level in stagecraft techniques and practices including scenic, lighting, costume and sound design and production.
3. Demonstrate the skills required to perform at the proficient level in public theatre presentation.
4. Demonstrate the skills required to perform stage crew duties at the proficient level in public theatre presentation.
5. Demonstrate a proficient knowledge of theatre history.

### Major Requirements - Core

Complete 10 units

- DRAMA 16A History of Theatre: Primitive to the 18th Century **Units: 3**
- DRAMA 19A Introduction to Stagecraft **Units: 4**
- DRAMA 31 Acting I: Introduction to Acting **Units: 3**

### Major Requirements - Restricted Electives

Area A

Complete 3 units selected from:

- DRAMA 25A Theatre Production: Acting **Units: 3 \***
- DRAMA 25B Theatre Production: Crew **Units: 1-3 \***
- DRAMA 44A Traditional Theatre Production: Acting **Units: 3 \***
- DRAMA 44B Traditional Theatre Production: Crew **Units: 1-3 \***
- DRAMA 47A Musical Theatre Production: Acting **Units: 3 \***
- DRAMA 47B Musical Theatre Production: Crew **Units: 1-3 \***

Area B

Complete 6 units selected from:

- DRAMA 15A Makeup for the Theatre **Units: 3**
- DRAMA 19B Principles of Stage Design **Units: 4**
- DRAMA 22A Stage Lighting I **Units: 3**
- DRAMA 23A Stage Costume: Costume Construction I **Units: 3**
- DRAMA 25A Theatre Production: Acting **Units: 3 \***
- DRAMA 25B Theatre Production: Crew **Units: 1-3 \***
- DRAMA 34 Acting II: Intermediate Acting **Units: 3**
- DRAMA 44A Traditional Theatre Production: Acting **Units: 3 \***
- DRAMA 44B Traditional Theatre Production: Crew **Units: 1-3 \***

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- DRAMA 47A Musical Theatre Production: Acting **Units: 3 \***
- DRAMA 47B Musical Theatre Production: Crew **Units: 1-3 \***

### Minimum Major Units Required: 19

Complete all courses with a grade of "C" or better.

#### NOTES:

\* This course may be repeated to fulfill the Area requirement.

### General Education

Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units: 40**
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

### Theatre Arts - Acting, AA

The Theatre Arts - Acting Associate in Arts Degree provides a rigorous, disciplined and integrated curriculum designed to meet the vocational demands of the theatre profession. Developed for the career-oriented theatre student, the curriculum seeks to release the intuitive potential for performance and production in each individual. With this foundation, past Delta Drama alumni have successfully transferred in to the UC and CSU systems to complete their baccalaureate degree, and are working professionally as actors, directors, technical artists, designers and teachers. Additionally, the program contributes to the over all development of management skills, creative problem solving and effective communication necessary for any career path.

### Program Learning Outcomes

Upon successfully completing this program, students will be able to:

1. Demonstrate the skills required to perform at the "proficient level" through performance for a live audience.
2. Demonstrate the skills required to perform at a "proficient level" in ensemble acting exercises including: scene study, voice and movement, audition techniques by successfully completing course requirements.

3. Demonstrate the skills required to perform at a "proficient level" in stagecraft by successfully completing DRAMA 19A.
4. Demonstrate a proficient knowledge of theatre history by successfully completing the required theatre history courses.

### Major Requirements - Core

Complete 18 units

- DRAMA 15A Makeup for the Theatre **Units: 3**
- DRAMA 16A History of Theatre: Primitive to the 18th Century **Units: 3**
- DRAMA 19A Introduction to Stagecraft **Units: 4**
- DRAMA 31 Acting I: Introduction to Acting **Units: 3**
- DRAMA 32 Voice and Movement for the Actor **Units: 2**
- DRAMA 34 Acting II: Intermediate Acting **Units: 3**

### Major Requirements - Restricted Electives

Area A - Performance Techniques

Complete 6 units selected from:

- DRAMA 6A Improvisational Theatre I **Units: 3**
- DRAMA 33 Stage Combat for the Actor **Units: 2**
- DRAMA 35 Classical and Shakespearean Acting **Units: 3**
- DRAMA 36A Acting/Directors Workshop I **Units: 1**
- DRAMA 38 Acting for the Camera **Units: 3**
- DRAMA 39A Directing for Actors I **Units: 3**
- DRAMA 39B Directing for Actors II **Units: 2**
- DRAMA 39C Directing for Actors III **Units: 2**
- DRAMA 41 The Business of Acting: Audition Techniques and Career Development **Units: 2**
- DRAMA 46 Scriptwriting **Units: 3**
- DRAMA 51 Stage Combat in Performance **Units: 1**
- MUSIC 20A Voice for Musical Theatre I **Units: 1**

Area B - Technical Theatre Techniques

Complete 3 units selected from:

- DRAMA 14A Stage Props I **Units: 3**
- DRAMA 19B Principles of Stage Design **Units: 4**
- DRAMA 20A Scenic Painting I **Units: 3**
- DRAMA 21A Stage Sound I **Units: 3**
- DRAMA 22A Stage Lighting I **Units: 3**
- DRAMA 23A Stage Costume: Costume Construction I **Units: 3**
- DRAMA 24A Scenic Construction I **Units: 3**
- DRAMA 42 Projection for the Stage **Units: 2**
- DRAMA 43 Principles of Stage Rigging **Units: 2**

Area C - Public Performance

Complete 6 units selected from:

- DRAMA 25A Theatre Production: Acting **Units: 3**
- DRAMA 27A Repertory Workshop: Acting I **Units: 2**

## CERTIFICATES AND DEGREES BY AREA

- DRAMA 27B Repertory Workshop: Acting II  
**Units: 2**
- DRAMA 27C Repertory Workshop: Acting III  
**Units: 2**
- DRAMA 44A Traditional Theatre Production:  
Acting **Units: 3**
- DRAMA 47A Musical Theatre Production: Acting  
**Units: 3**

### Area D - Public Performance Crew

Complete 2 units selected from:

- DRAMA 25B Theatre Production: Crew **Units: 1-3**
- DRAMA 44B Traditional Theatre Production:  
Crew **Units: 1-3**
- DRAMA 47B Musical Theatre Production: Crew  
**Units: 1-3**

### Minimum Major Units Required: 35

Complete all courses with a grade of "C" or better.

### NOTES:

\* This course may be repeated to fulfill the Area requirement.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree  
General Education Pattern **Units: 27**
- California State University General Education  
(CSU-GE) Pattern/Certificate of  
Achievement **Units: 40**
- Intersegmental General Education Transfer  
Curriculum (IGETC) Pattern/Certificate of  
Achievement **Units: 37**

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

### Minimum Degree Units Required: 60

## Theatre Arts - Technical Theatre, AA

Upon successful completion of the Theatre Arts - Technical Theatre Associate in Arts degree, the student demonstrates skills, knowledge, and training in technical theatre. A rigorous, disciplined, and innovative two-year curriculum in all aspects of theatre includes integrated studies in acting, theatre history, and theatre production specifically designed to augment the technical theatre focus. The technical theatre program seeks to unlock intuitive potential for theatre design and aesthetic development, and combines with it a powerful, yet flexible implementation of techniques and skills. Additionally, the program will contribute to the student's development of people management skills, collaboration strategies, and artistic aesthetics.

### Program Learning Outcomes

Upon successfully completing this program, students will be able to:

1. Students will demonstrate skills required in performance techniques.
2. Students will demonstrate a knowledge of theatre history.
3. Students will successfully perform production stage crew duties for live theatrical productions.
4. Students will successfully perform stagecraft procedures and techniques.

### Major Requirements - Core

Complete 18 units

- DRAMA 15A Makeup for the Theatre **Units: 3**
- DRAMA 16A History of Theatre: Primitive to the 18th Century **Units: 3**
- DRAMA 19A Introduction to Stagecraft **Units: 4**
- DRAMA 19B Principles of Stage Design **Units: 4**
- DRAMA 31 Acting I: Introduction to Acting  
**Units: 3**
- DRAMA 40A Technical Theatre Portfolio I  
**Units: 1**

### Major Requirements - Restricted Electives

Area A - Technical Theatre Techniques

Complete 9 units selected from:

- DRAMA 12 Drafting for the Stage **Units: 3**
- DRAMA 14A Stage Props I **Units: 3**
- DRAMA 20A Scenic Painting I **Units: 3**
- DRAMA 21A Stage Sound I **Units: 3**
- DRAMA 22A Stage Lighting I **Units: 3**
- DRAMA 23A Stage Costume: Costume  
Construction I **Units: 3**
- DRAMA 24A Scenic Construction I **Units: 3**
- DRAMA 42 Projection for the Stage **Units: 2**
- DRAMA 43 Principles of Stage Rigging **Units: 2**

### Area B - Public Performance Crew

Complete 6 units from:

- DRAMA 25B Theatre Production: Crew  
**Units: 1-3**
- DRAMA 44B Traditional Theatre Production:  
Crew **Units: 1-3**
- DRAMA 47B Musical Theatre Production: Crew  
**Units: 1-3**

### Minimum Major Units Required: 33

Complete all courses with a grade of "C" or better.

### General Education

Complete one of the following general education patterns:

- San Joaquin Delta College Associate Degree  
General Education Pattern **Units: 27**
- California State University General Education  
(CSU-GE) Pattern/Certificate of  
Achievement **Units: 40**
- Intersegmental General Education Transfer  
Curriculum (IGETC) Pattern/Certificate of  
Achievement **Units: 37**

## CERTIFICATES AND DEGREES BY AREA

Students are advised to double-count courses in the major or area of emphasis to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of both major/area of emphasis and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

**Minimum Degree Units Required: 60**

### Costume Technician Certificate of Achievement

Upon successful completion of the Costume Technician Certificate of Achievement, the student will demonstrate skills, knowledge, and training necessary for early career employment in the field of costume construction and theatrical wardrobe. Specific job titles may include stitcher, costume technician, dresser, and wardrobe technician. The student will demonstrate the ability to follow industry standard practices in the areas of costume construction and wardrobe operations for use in live theatrical performance.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Exhibit professional behavior and work ethic.
2. Successfully perform production wardrobe crew duties for live theatrical productions.
3. Perform critical analysis of production documents and play scripts for the completion of theatrical costume elements.
4. Successfully follow industry practices in stage costuming.
5. Successfully create production ready costume elements.

#### Core Requirements

Complete 20 units

- DRAMA 19A Introduction to Stagecraft **Units: 4**
- DRAMA 19B Principles of Stage Design **Units: 4**
- DRAMA 23A Stage Costume: Costume Construction I **Units: 3**
- DRAMA 23B Stage Costume: Costume Construction II **Units: 3**
- DRAMA 23C Stage Costume: Costume Crafts **Units: 3**
- DRAMA 40A Technical Theatre Portfolio I **Units: 1**
- DRAMA 40B Technical Theatre Portfolio II **Units: 1**
- DRAMA 40C Technical Theatre Portfolio III **Units: 1**

#### Restrictive Electives

Complete 4 units selected from:

- DRAMA 25B Theatre Production: Crew **Units: 1-3**

- DRAMA 40B Technical Theatre Portfolio II **Units: 1**
- DRAMA 47B Musical Theatre Production: Crew **Units: 1-3**

#### Minimum Units Required: 24

Complete all courses with a grade of "C" or better.

### Scenic Artist Certificate of Achievement

Upon successful completion of the Scenic Artist Certificate of Achievement, the student will demonstrate skills, knowledge, and training necessary for early career employment in the field of scenic art and stage props. Specific job titles may include scenic artist, charge artist, and props artisan. The student will demonstrate the ability to follow industry standard practices in the areas of scenic art and stage props for use in live theatrical performance.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Exhibit professional behavior and work ethic.
2. Successfully perform production scenic art and stage properties crew duties for live theatrical productions.
3. Perform critical analysis of production documents and play scripts for the completion of scenic art and stage properties elements.
4. Successfully follow industry practices in scenic art and stage properties.
5. Successfully create production ready scenic art and stage properties.

#### Core Requirements

Complete 23 units

- DRAMA 14A Stage Props I **Units: 3**
- DRAMA 14B Stage Props II **Units: 3**
- DRAMA 19A Introduction to Stagecraft **Units: 4**
- DRAMA 19B Principles of Stage Design **Units: 4**
- DRAMA 20A Scenic Painting I **Units: 3**
- DRAMA 20B Scenic Painting II **Units: 3**
- DRAMA 40A Technical Theatre Portfolio I **Units: 1**
- DRAMA 40B Technical Theatre Portfolio II **Units: 1**
- DRAMA 40C Technical Theatre Portfolio III **Units: 1**

#### Restrictive Electives

Area A

Complete 3 units selected from:

- DRAMA 22A Stage Lighting I **Units: 3**
- DRAMA 23A Stage Costume: Costume Construction I **Units: 3**
- DRAMA 24A Scenic Construction I **Units: 3**

Area B

Complete 4 units selected from:

- DRAMA 25B Theatre Production: Crew **Units: 1-3**

## CERTIFICATES AND DEGREES BY AREA

- DRAMA 44B Traditional Theatre Production: Crew **Units:** 1-3
- DRAMA 47B Musical Theatre Production: Crew **Units:** 1-3

### Minimum Units Required: 30

Complete all courses with a grade of "C" or better.

### Scenic Technician Certificate of Achievement

Upon successful completion of the Scenic Technician Certificate of Achievement, the student will demonstrate skills, knowledge, and training necessary for early career employment in the field of scenic construction and operation. Specific job titles may include stagehand, scenic carpenter, and stage operations technician. The student will demonstrate the ability to follow industry standard practices in the areas of scenic construction and stage operations for use in live theatrical performance.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Exhibit professional behavior and work ethic.
2. Successfully perform production stage crew duties for live theatrical productions.
3. Perform critical analysis of production documents and play scripts for the completion of theatrical scenic elements.
4. Successfully follow industry practices in scenic construction and stage operations.
5. Successfully create production ready scenic elements.

#### Core Requirements

Complete 19 units

- DRAMA 19A Introduction to Stagecraft **Units:** 4
- DRAMA 19B Principles of Stage Design **Units:** 4
- DRAMA 24A Scenic Construction I **Units:** 3
- DRAMA 24B Scenic Construction II **Units:** 3
- DRAMA 40A Technical Theatre Portfolio I **Units:** 1
- DRAMA 40B Technical Theatre Portfolio II **Units:** 1
- DRAMA 40C Technical Theatre Portfolio III **Units:** 1
- DRAMA 43 Principles of Stage Rigging **Units:** 2

#### Restrictive Electives

Area A

Complete 5 units selected from:

- DRAMA 14A Stage Props I **Units:** 3
- DRAMA 20A Scenic Painting I **Units:** 3
- DRAMA 22A Stage Lighting I **Units:** 3
- DRAMA 42 Projection for the Stage **Units:** 2
- WELDING 10 Basic Welding for the Trades **Units:** 4

Area B

Complete 4 units selected from:

- DRAMA 25B Theatre Production: Crew **Units:** 1-3
- DRAMA 44B Traditional Theatre Production: Crew **Units:** 1-3
- DRAMA 47B Musical Theatre Production: Crew **Units:** 1-3

### Minimum Units Required: 28

Complete all courses with a grade of "C" or better.

### Stage Electrician Certificate of Achievement

Upon successful completion of the Stage Electrician Certificate of Achievement, the student will demonstrate skills, knowledge, and training necessary for early career employment in the field of theatre and stage electrics. Specific job titles may include stage electrician, lighting technician, audio technician, and audio engineer. The student will demonstrate the ability to follow industry standard practices in the areas of stage lighting and sound technology for use in live theatrical performance.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Exhibit professional behavior and work ethic.
2. Successfully perform production electrics crew duties for live theatrical productions.
3. Perform critical analysis of production documents and play scripts for the completion of theatrical lighting and sound elements.
4. Successfully follow industry practices in stage lighting and sound.
5. Successfully create production ready stage lighting and sound elements.

#### Core Requirements

Complete 23 units

- DRAMA 19A Introduction to Stagecraft **Units:** 4
- DRAMA 19B Principles of Stage Design **Units:** 4
- DRAMA 21A Stage Sound I **Units:** 3
- DRAMA 21B Stage Sound II **Units:** 3
- DRAMA 22A Stage Lighting I **Units:** 3
- DRAMA 22B Stage Lighting II **Units:** 3
- DRAMA 40A Technical Theatre Portfolio I **Units:** 1
- DRAMA 40B Technical Theatre Portfolio II **Units:** 1
- DRAMA 40C Technical Theatre Portfolio III **Units:** 1

#### Restrictive Electives

Area A

Complete 4 units selected from:

- ELEC 29A Fundamentals of Electricity I **Units:** 3
- ELEC 29B Fundamentals of Electricity II **Units:** 2
- ELEC 30 Fundamentals of Electricity **Units:** 5
- DRAMA 21C Stage Sound III **Units:** 3

## CERTIFICATES AND DEGREES BY AREA

- DRAMA 22C Stage Lighting III **Units: 3**
- DRAMA 42 Projection for the Stage **Units: 2**
- DRAMA 43 Principles of Stage Rigging **Units: 2**

### Area B

Complete 4 units selected from:

- DRAMA 25B Theatre Production: Crew **Units: 1-3**
- DRAMA 44B Traditional Theatre Production: Crew **Units: 1-3**
- DRAMA 47B Musical Theatre Production: Crew **Units: 1-3**

### Minimum Units Required: 31

Complete all courses with a grade of "C" or better.

## Stage Makeup Technician Certificate of Achievement

Upon successful completion of the Stage Makeup Technician Certificate of Achievement, the student will demonstrate skills, knowledge, and training necessary for early career employment in the field of theatrical makeup and hair. Specific job titles may include makeup technician, makeup artist, and wig technician. The student will demonstrate the ability to follow industry standard practices in the areas of makeup, hair, and wigs for use in live theatrical performance.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Exhibit professional behavior and work ethic.
2. Successfully perform production makeup and hair crew duties for live theatrical productions.
3. Perform critical analysis of production documents and play scripts for the completion of theatrical makeup and hair.
4. Successfully follow industry practices in stage makeup and hair.
5. Successfully create production ready stage makeup and hair elements.

### Core Requirements

Complete 20 units

- DRAMA 15A Makeup for the Theatre **Units: 3**
- DRAMA 15B Makeup for the Theatre: Advanced Makeup **Units: 3**
- DRAMA 15C Makeup for the Theatre: Special Effects **Units: 3**
- DRAMA 19A Introduction to Stagecraft **Units: 4**
- DRAMA 19B Principles of Stage Design **Units: 4**
- DRAMA 40A Technical Theatre Portfolio I **Units: 1**
- DRAMA 40B Technical Theatre Portfolio II **Units: 1**
- DRAMA 40C Technical Theatre Portfolio III **Units: 1**

### Restrictive Electives

Complete 4 units selected from:

- DRAMA 25B Theatre Production: Crew **Units: 1-3**
- DRAMA 44B Traditional Theatre Production: Crew **Units: 1-3**
- DRAMA 47B Musical Theatre Production: Crew **Units: 1-3**

### Minimum Units Required: 24

Complete all courses with a grade of "C" or better.

## Stagecraft Certificate of Achievement

Upon completion of the Stagecraft Certificate of Achievement, the student will demonstrate skills, knowledge, and training necessary for entry-level employment in the field of stagecraft. Specific job titles include stagehand, scenic carpenter, lighting technician, scenic artist, costume stitcher, and dresser. The student will demonstrate the ability to follow industry standard practices in the areas of scenery, lighting, costume, and/or sound technology for use in live theatrical performance.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Exhibit professional behavior and work ethic.
2. Successfully perform production stage crew duties for live theatrical productions.
3. Perform critical analysis of production documents and play scripts for the completion of theatrical production elements.
4. Successfully follow industry practices in stagecraft.

### Core Requirements

Complete 6 units

- DRAMA 19A Introduction to Stagecraft **Units: 4**
- DRAMA 40A Technical Theatre Portfolio I **Units: 1**
- DRAMA 40B Technical Theatre Portfolio II **Units: 1**

### Restricted Electives

Area A - Stagecraft

Complete 9 units selected from:

- DRAMA 14A Stage Props I **Units: 3**
- DRAMA 15A Makeup for the Theatre **Units: 3**
- DRAMA 20A Scenic Painting I **Units: 3**
- DRAMA 21A Stage Sound I **Units: 3**
- DRAMA 22A Stage Lighting I **Units: 3**
- DRAMA 23A Stage Costume: Costume Construction I **Units: 3**
- DRAMA 24A Scenic Construction I **Units: 3**
- DRAMA 42 Projection for the Stage **Units: 2**
- DRAMA 43 Principles of Stage Rigging **Units: 2**

Area B - Production

Complete 4 units selected from:

- DRAMA 25B Theatre Production: Crew **Units: 1-3**

## CERTIFICATES AND DEGREES BY AREA

- DRAMA 44B Traditional Theatre Production: Crew **Units:** 1-3
- DRAMA 47B Musical Theatre Production: Crew **Units:** 1-3

### Minimum Units Required: 19

Complete all courses with a grade of "C" or better.

## Welding Technology

### Gas Metal Arc Welding (GMAW)/Flux Core Arc Welding (FCAW) Certificate of Achievement

The student successfully completing the Gas Metal Arc Welding (GMAW)/Flux Core Arc Welding (FCAW) Certificate of Achievement will acquire skills to qualify for entry-level employment in several areas. Trades involved in the construction of buildings and bridges, utilize these skills as well as other industries such as motorsports/automotive design, robotics, industrial maintenance, and heavy equipment fabrication. The student will be proficient in the setup/maintenance of the required equipment for these processes, able to identify proper electrodes/shielding gases for joining a given material type and thickness, operate the required equipment in a safe and proper manner, display significant manipulatory skills in multiple weld positions and as well have sufficient understanding of proper layout and measuring procedures. In addition, the student will be able to describe and demonstrate important employability skills such as proper work ethic, team building, and interpersonal communication practices and their importance in the workplace.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the correct use of parallel line development, radial line development, and triangulation during the layout of flat patterns for projects. During the execution of pattern development student will utilize proper measuring tools and techniques, identify the proper equipment to be used for metal fabrication/welding, while achieving a high level of accuracy in relation to fit and finish of the final product.
2. Demonstrate significant blueprint reading knowledge through lab exercises using symbols in accordance with American Welding Society publication 2.4 "Standard Symbols for Welding, Brazing, and Non-Destructive Examinations".
3. Demonstrate Gas Metal Arc and Flux Core Arc Welding practices in practical lab exercises utilizing industry accepted safety practices, equipment set up/knowledge and operation, and complete weldments free of defects or discontinuities in accordance to the applicable code or standard.

### Core Requirements

Complete 20 units

- WELDING 82 Introduction to Welding and Cutting Processes for the Trades **Units:** 7.5
- WELDING 86 Gas Metal Arc (GMAW) and Flux Core Arc (FCAW) Welding Processes **Units:** 7.5
- WELDING 98 Metal Trade Layout, Forming, and Fabrication **Units:** 5

### Minimum Units Required: 20

Complete all courses with a grade of "C" or better.

### Gas Tungsten Arc Welding (GTAW) Certificate of Achievement

The student successfully completing the Gas Tungsten Arc Welding (GTAW) - Certificate of Achievement will acquire skills to qualify for entry-level employment in industries such as food processing, aerospace, pipefitting, motorsports/autobody, and others that require the joining of alloys with concern for cleanliness and integrity on thick-to-thin materials. The student will be proficient in the setup/maintenance of the required equipment for the GTAW process, able to identify proper electrodes/fillers/shielding gases for joining a given material type and thickness, operate the required equipment in a safe and efficient manner, display significant manipulatory skills in multiple weld positions and will possess sufficient understanding of proper layout and measuring procedures. In addition, the student will be able to describe and demonstrate important employability skills such as proper work ethic, team building, and interpersonal communication practices and their importance in the workplace.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the correct use of parallel line development, radial line development, and triangulation during the layout of flat patterns for projects. During the execution of pattern development student will utilize proper measuring tools and techniques, identify the proper equipment to be used for metal fabrication/welding, while achieving a high level of accuracy in relation to fit and finish of the final product.
2. Demonstrate significant blueprint reading knowledge through lab exercises using symbols in accordance with American Welding Society publication 2.4 "Standard Symbols for Welding, Brazing, and Non-Destructive Examinations".
3. Demonstrate Gas Tungsten Arc Welding practices in practical lab exercises utilizing industry accepted safety practices, equipment set up/knowledge and operation, and complete weldments free of defects or discontinuities in accordance to the applicable code or standard.

## CERTIFICATES AND DEGREES BY AREA

### Core Requirements

Complete 20 units

- WELDING 82 Introduction to Welding and Cutting Processes for the Trades **Units: 7.5**
- WELDING 88 Gas Tungsten Arc (GTAW) Welding Processes **Units: 7.5**
- WELDING 98 Metal Trade Layout, Forming, and Fabrication **Units: 5**

### Minimum Units Required: 20

Complete all courses with a grade of "C" or better.

### Oxy-Fuel Processes and Shielded Metal Arc Welding (SMAW) Certificate of Achievement

The student successfully completing the Oxy-Fuel Processes and Shielded Metal Arc Welding (SMAW) Certificate of Achievement will acquire skills to qualify for entry-level employment in several areas. Various trades such as Steelworkers and Pipefitters utilize these skills as well as industrial/commercial maintenance, fabrication/repair facilities, and equipment manufacturing for industries including agriculture and transportation. The student will be proficient in the setup/maintenance of the required equipment for these processes, able to identify proper fillers/electrodes for joining a given material type and thickness, operate the required equipment in a safe and proper manner, display significant manipulatory skills in multiple weld positions and as well have sufficient understanding of proper layout and measuring procedures. In addition, the student will be able to describe and demonstrate important employability skills such as proper work ethic, team building, and interpersonal communication practices and their importance in the workplace.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the correct use of parallel line development, radial line development, and triangulation during the layout of flat patterns for projects. During the execution of pattern development student will utilize proper measuring tools and techniques, identify the proper equipment to be used for metal fabrication/welding, while achieving a high level of accuracy in relation to fit and finish of the final product.
2. Demonstrate significant blueprint reading knowledge through lab exercises using symbols in accordance with American Welding Society publication 2.4 "Standard Symbols for Welding, Brazing, and Non-Destructive Examinations".
3. Demonstrate the Oxy-Fuel and Shielded Metal Arc Welding practices in practical lab exercises utilizing industry accepted safety practices, equipment set up/knowledge and operation, and complete weldments free of defects or discontinuities in accordance to the applicable code or standard.

### Core Requirements

Complete 20 units

- WELDING 82 Introduction to Welding and Cutting Processes for the Trades **Units: 7.5**

- WELDING 84 Shielded Metal Arc Welding (SMAW) and Oxyfuel (O/F) Processes **Units: 7.5**
- WELDING 98 Metal Trade Layout, Forming, and Fabrication **Units: 5**

### Minimum Units Required: 20

Complete all courses with a grade of "C" or better.

### Welding Technology Certificate of Achievement

Upon successful completion of the Welding certificate, the student demonstrates skills, knowledge, and training for employment in entry-level positions including industrial occupations in metal shops, all maintenance positions, sheet metal and metal fabrication shops, and many apprenticeship programs.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate basic knowledge in the interpretation of blueprints and drawings.
2. Demonstrate process proficiency in Oxy/Acetylene (O/A), Shielded Metal Arc Welding (SMAW), and Gas Metal Arc Welding (GMAW) processes.
3. Demonstrate safety knowledge specific to Oxy/Acetylene (O/A), Shielded Metal Arc Welding (SMAW), and Gas Metal Arc Welding (GMAW) processes.

### Core Requirements

Complete 34.5 units

- INDUS 35 Mobile Hydraulics **Units: 4**
- MACH 16 Machine Tool Process **Units: 3**
- WELDING 82 Introduction to Welding and Cutting Processes for the Trades **Units: 7.5**
- WELDING 84 Shielded Metal Arc Welding (SMAW) and Oxyfuel (O/F) Processes **Units: 7.5**
- WELDING 86 Gas Metal Arc (GMAW) and Flux Core Arc (FCAW) Welding Processes **Units: 7.5**
- WELDING 98 Metal Trade Layout, Forming, and Fabrication **Units: 5**

### Restricted Electives

Area A

Complete 5 units selected from:

- ELEC 30 Fundamentals of Electricity **Units: 5**
- INDUS 45 Industrial Technology **Units: 5**

Area B

Complete 3 units selected from:

- INDUS 94 Industrial Mathematics and Algebra **Units: 3**
- Associate Degree Math Requirement **Credits / Units: 4**

### Minimum Units Required: 42.5

Complete all courses with a grade of "C" or better.

## FACULTY

# Faculty

## Distinguished Faculty

2024-2025 Sarah Antinora	2008-2009 Jeanne Marie Velickovic	1996-1997 Constance Smith
2024-2025 Joel Blank	2008-2009 Jun Wang	1996-1997 Ray Wuco
2023-2024 Jennifer Barrows	2007-2008 Jeffrey Hislop	1995-1996 Charles Bloch
2023-2024 Alicia Ricardez	2007-2008 Vicki Marie	1995-1996 Mary Little
2023-2024 Diane Feneck	2007-2008 Jacquelynn Schwegel	1995-1996 Carol Thomas
2023-2024 Randy Gaines	2006-2007 Dee Brown	1994-1995 Richard Bullard
2021-2022 Amir Assadi-Rad	2006-2007 Bill Harper	1994-1995 Larry Huiras
2021-2022 Phil Reedy	2006-2007 Vivian Harper	1994-1995 Joan Ray
2021-2022 Adrienne Sorenson	2006-2007 Sally Van Bebber	1994-1995 Kay Turpin
2020-2021 Cirian Villavicencio	2005-2006 Melvin B. Simmons	1994-1995 Roger Waller
2020-2021 Evan Wade	2005-2006 Narcisa Ann C. Tuliao	1993-1994 Fred Reese
2019-2020 Manuel Camacho	2005-2006 Martha Villarreal	1993-1994 Norma Yeoman
2019-2020 Steven Graham	2005-2006 Lynn Welch	1992-1993 Ginger Debow-Makino
2018-2019 Steven Itaya	2004-2005 Richard Ghio	1992-1993 Al Muller
2018-2019 Mario Moreno	2004-2005 Joe Gonzales	1991-1992 Del McComb
2017-2018 Geronimo "Gerry" Hinayon	2004-2005 Diane Oren	1991-1992 Jack Stirton
2017-2018 Robert Rennicks	2004-2005 Max Simoncic	1990-1991 John Elliott
2016-2017 Debra Louie	2003-2004 Arthur Godi	1990-1991 John Walker
2016-2017 Kirstyn Russell	2003-2004 Margaret "Peggy" Scully	1988-1989 Madaline Lynch
2016-2017 Rachel Standish	2003-2004 Matthew Wetstein	
2015-2016 Jane Dominik	2003-2004 James Yanko	
2015-2016 Alex Taddei	2002-2003 John Britto	
2015-2016 Christoffer Wardell	2002-2003 Brian Katz	
2014-2015 Harvey Jordan	2002-2003 Ken Pakarek	
2014-2015 Jeffrey "Rocky" La Jeunesse	2002-2003 Don Stott	
2014-2015 Joe Mariscal	2002-2003 Janice Takahashi	
2014-2015 Reed Peters	2001-2002 Dean Danielson	
2013-2014 Valerie Gnassounou	2001-2002 Margaret "Peggy" Hamilton	
2013-2014 Christopher Kim	2001-2002 Al Ortiz	
2013-2014 Anna Villegas	2000-2001 Char Britto	
2012-2013 Robert Bini	2000-2001 Julius Hastings	
2012-2013 Brian Kendrick	2000-2001 Jennifer Kraemer	
2012-2013 Paula Sheil	2000-2001 Jan Mullen	
2011-2012 Victoria Aubrey	1999-2000 Chris Barker	
2011-2012 Ben Beam	1999-2000 Stan Perkner	
2011-2012 Evelyn Chapman	1999-2000 Steve Stocking	
2011-2012 Mary Neville	1999-2000 Jeff Topping	
2010-2011 Leslie Asfour	1998-1999 John Larson	
2010-2011 Joseph Bisson	1998-1999 Lloyd Martel	
2010-2011 Lynn Hawley	1998-1999 Judy Murray	
2010-2011 Steven Schermerhorn	1998-1999 Ron Northup	
2009-2010 Sam Hatch	1998-1999 Charlie Robinson	
2009-2010 Clarence Louie	1997-1998 Victoria Armstrong	
2009-2010 Elizabeth Maloney	1997-1998 June Gillam	
2009-2010 Nelson Nagai	1997-1998 Helm Haas	
2008-2009 Art Holton	1997-1998 Terry Strange	
2008-2009 Gina Johnson	1996-1997 Robert Knudsen	

**Faculty A-D****Aguilar-Rodriguez, Ricardo (2016)**

Communication and Languages  
A.A., San Joaquin Delta College  
B.A., California State University,  
Sacramento  
M.A., San José State University

**Akers, Tina (2024)**

Social Science, Education, and  
Public Service  
B.A., Whittier College  
M.A., California State University,  
San Marcos

**Aldapa, Yesenia (2024)**

Counseling and Special Services  
A.A., Santa Barbara City College  
B.A., California State University  
Northridge  
M.Ed., University of Southern  
California

**Alford, Sean (2013)**

Technical Careers and Trades  
A.A., San Joaquin Delta College  
B.A., University of California, Davis

**Alonzo, Stella (2000)**

Counseling and Special Services  
A.A., San Joaquin Delta College  
B.A., University of the Pacific  
M.A., University of the Pacific  
Ed.D., University of the Pacific

**Amundsen, Allen (2014)**

Communication and Languages  
B.A., San Francisco State  
University  
M.A., San Francisco State  
University

**Anievas-Gamallo, Isabel C. (2001)**

Communication and Languages  
B.S., University of Leon, Spain  
M.S., University of Washington  
Ph.D., University of Leon, Spain

**Antinora, Sarah (2014)**

Communication and Languages  
B.A., California State University,  
San Bernardino  
M.A., California State University,  
San Bernardino  
Ph.D., University of California,  
Riverside

**Asfour, Leslie H. (1992)**

Arts, Humanities, and Multimedia  
B.A., California State University,  
Sacramento

**Assadi-Rad, Amir M. (1995)**

Science, Engineering, Computer  
Science, and Math  
B.A., Winona State University  
M.S., Murray State University  
Ph.D., University of Tennessee

**Ayers, Sheli (2014)**

Communications and Languages  
M.A., University of California, Santa  
Barbara

**Azzaro, Jennifer (2021)**

Science, Engineering, Computer  
Science, and Math  
M.S., University of Illinois

**Bagnasco, Stacey Robles (1998)**

Counseling and Special Services  
A.A., San Joaquin Delta College  
B.A., University of California,  
Berkeley  
M.S., San Francisco State  
University  
Ed.D., University of the Pacific

**Baker, Daniel M. (2001)**

Social Science, Education, and  
Public Service  
B.A., University of California, Davis  
M.S., California State University,  
Sacramento

**Barajas, Eric (2023)**

Business and Law  
A.A., San Joaquin Delta College  
B.S., California State University,  
Sacramento  
M.B.A., California State University,  
Stanislaus

**Barber, Maria (2023)**

Health and Fitness  
A.D.N., San Joaquin Delta College  
B.S.N., Grand Canyon University

**Barrows, Joseph (2025)**

Communication and Languages  
A.A., San Joaquin Delta College  
B.A., California State University,  
Sacramento  
M.A., University of the Pacific

**Barlow, Gary T. (1999)**

Health and Fitness  
A.A., San Joaquin Delta College  
B.A., University of the Pacific  
M.A., Azusa Pacific University

**Bautch, Kevin (2009)**

Arts, Humanities, and Multimedia  
B.A., Luther College  
M.F.A., Illinois State University

**Beale, Kindra (2008)**

Science, Engineering, Computer  
Science, and Math  
B.S., University of California, Irvine  
M.A., California State University,  
Sacramento

**Bender, Jeffrey Scott (1997)**

Science, Engineering, Computer  
Science, and Math  
B.A., California State University,  
Fresno  
M.A., California State University,  
Fresno

**Best-Green, BernNadette (2020)**

Social Science, Education, and  
Public Service  
B.A., University of California,  
Berkeley  
M.A., California State University,  
Sacramento  
M.A., National University  
Ph.D., University of California,  
Davis

**Beutel, Joel (2010)**

Business and Law  
B.A., University of California,  
Riverside  
M.A., University of California,  
Riverside

**Beyer, Angela (2009)**

Social Science, Education, and  
Public Service  
B.A., Carthage College, Wisconsin  
M.S., Concordia University,  
Wisconsin

**Bhagi, Savita (2016)**

Science, Engineering, Computer  
Science, and Math  
B.A., Gauhati University, India  
M.A., University of Delhi  
Ed.D., University of the Pacific

**Birmingham, Daniel (2011)**

Science, Engineering, Computer  
Science, and Math  
B.A., Trinity College, Dublin, Ireland  
Ph.D., Trinity College, Dublin,  
Ireland

**Blank, Joel (2009)**

Social Science, Education, and  
Public Service  
B.A., California State University,  
Fullerton  
M.A., University of Virginia  
Ph.D., University of California, Los  
Angeles  
J.D., Loyola Law School

## FACULTY

**Bonnema, Dan (2017)**

Technical Careers and Trades  
A.A., Merced College

**Bradford, Heather (2008)**

Counseling and Special Services  
B.S., Oakwood College  
M.A., John F. Kennedy University

**Bradley, Joshua (2023)**

Science, Engineering, Computer  
Science, and Math  
M.S., University of New South  
Wales, Australia  
M.S., Concordia University, St Paul

**Brauer, Tanya (2023)**

Communication and Languages  
B.A., University of California, Los  
Angeles  
M.A., San Francisco State  
University

**Brogger, Adriana (2016)**

Arts, Humanities, and Multimedia  
A.A., San Joaquin Delta College  
B.A., California State University,  
Stanislaus  
M.A., National University

**Brotherton, Chloe (2023)**

Social Science, Education, and  
Public Service  
B.A., University of California, Santa  
Barbara  
M.A., University of California, Davis

**Brown, Darin (2014)**

Science, Engineering, Computer  
Science, and Math  
B.S., California State University,  
Stanislaus  
M.S., University of California, Santa  
Barbara  
Ph.D., University of California,  
Santa Barbara

**Brown, Nicole (2015)**

Communication and Languages  
B.A., California State University,  
Stanislaus  
M.A., California State University,  
Stanislaus

**Broyles, Jason P. (2005)**

Science, Engineering, Computer  
Science, and Math  
B.S., University of California, Davis  
M.S., California State University,  
Sacramento

**Bruce, Kathleen (2012)**

Communication and Languages  
B.A., University of the Pacific  
M.A., University of the Pacific

**Buettner, Ludmila (2006)**

Communication and Languages  
M.A., California State University,  
Stanislaus  
Ed.D., University of the Pacific

**Bush, Nena M. (2016)**

Social Science, Education, and  
Public Service  
B.A., California State University,  
East Bay  
M.A., Erikson Institute

**Bykov, Nick A. (2000)**

Science, Engineering, Computer  
Science, and Math  
M.S., Kharkiv University, Ukraine  
Ph.D., Kharkiv University, Ukraine

**Cabaccang, Dionisio (2023)**

Technical Careers and Trades  
A.S., Arizona Automotive Institute

**Calderon, Sergio (2009)**

Technical Careers and Trades  
A.A., San Joaquin Delta College  
A.S., San Joaquin Delta College

**Camacho, Manuel (2003)**

Communication and Languages  
B.A., California State University,  
Northridge  
M.A., California State University,  
Northridge  
M.S., Pepperdine University

**Campos, Ricardo (2023)**

Health and Fitness  
B.A., Waldorf University, Forest  
City, Iowa

**Candelo-Mize, Tina (2019)**

Agriculture  
A.S., San Joaquin Delta College  
B.S., California State University,  
Chico  
M.S., California State University,  
Chico

**Cardiel, Johnathan M. (2015)**

Business and Law  
B.A., Thomas Edison State College  
M.A., Saint Mary's University

**Carlos, Gary S. (2007)**

Arts, Humanities, and Multimedia  
B.A., San Francisco State  
University  
M.A., San Diego State University

**Carpenter, Demille (2023)**

Counseling and Special Services  
B.S., California State University,  
Sacramento  
M.S., California State University,  
Sacramento

**Carter, Wardell (2024)**

Social Science, Education, and  
Public Service  
A.A., San Joaquin Delta College  
B.A., Excelsior College, Albany,  
N.Y.  
M.A., University of Phoenix

**Cavano, John (2018)**

Counseling and Special Services  
B.A., University of California, Davis  
M.O.T., Samuel Merritt University

**Chuma, Anthony (2023)**

Science, Engineering, Computer  
Science, and Math  
A.S., Butler County Community  
College, Eldorado  
B.S., Newman University, Wichita  
Ph.D., University of Arkansas,  
Fayetteville

**Clanton, John (2016)**

Communication and Languages  
B.A., California State University,  
Stanislaus  
M.A., California State University,  
Stanislaus

**Clark, Leslie (2022)**

Health and Fitness  
B.S., California State University,  
Long Beach  
M.S.N., California State University,  
San José

**Coleman, Suzanne (2011)**

Social Science, Education, and  
Public Service  
B.A., California State University,  
Stanislaus  
M.A., Pacific Oaks College

**Cruces, Shenny (2015)**

Arts, Humanities, and Multimedia  
B.A., Illinois State University  
B.A., Sonoma State University  
M.F.A., San Francisco State  
University

**Cuslidge-Staiano, Tara L. (2015)**

Arts, Humanities, and Multimedia  
B.A., University of the Pacific  
M.A., Southern New Hampshire  
University  
M.J., University of California,  
Berkeley

**Day, Elizabeth (2007)**

Science, Engineering, Computer Science, and Math  
B.S., Seattle Pacific University  
Ph.D., Indiana University

**DeMercurio, Dana (2022)**

Communication and Languages  
M.A., California State University, East Bay

**Desmangles, Roy (2015)**

Counseling and Special Services  
B.A., California State University, Sacramento  
M.A., California State University, Sacramento  
M.A., National University

**Diaz, Guadalupe (2015)**

Counseling and Special Services  
B.A., University of California, Riverside  
M.A., California Polytechnic State University, San Luis Obispo

**Faculty E-I**

**Ellison, Mary (2021)**

Science, Engineering, Computer Science, and Math  
B.S., St. Norbert College  
M.S., University of Notre Dame  
Ph.D., University of Notre Dame

**Escalona, Osvaldo (2021)**

Science, Engineering, Computer Science, and Math  
M.S., California State University, San Francisco

**Felkins, Haley (2019)**

Health and Fitness  
B.S.N., California State University, Sacramento

**Feneck, Diane (2014)**

Counseling and Special Services  
A.A., San Joaquin Delta College  
B.S., California State University, Sacramento  
M.S., California State University, Sacramento

**Fernandez, Daniel S. (2016)**

Counseling and Special Services  
B.A., University of the Pacific  
M.A., California State University, Sacramento

**Foro, Greg (2014)**

Arts, Humanities, and Multimedia  
B.A., Fordham University  
M.F.A., University of Alabama

**Fortunato, Monique (2022)**

Social Science, Education, and Public Service  
B.S., State University of New York at Buffalo  
Ph.D., State University of New York at Buffalo

**Franco, Virginia (2016)**

Counseling and Special Services  
B.A., Saint Mary's College of California  
M.A., San José State University

**Fuentes-Rodriguez, Monica (2021)**

Health and Fitness  
B.S., California State University, Sacramento

**Gaede, Kate (2024)**

Agriculture  
B.A., California State University, Fresno  
M.B.A., California State University, Stanislaus

**Gaines, Randolph E. (1981)**

Counseling and Special Services  
B.A., San José State University  
B.S., San José State University  
M.S., University of La Verne  
M.Ed., University of La Verne

**Gallant, Ryan (2023)**

Technical Careers and Trades  
B.A., University of California, Davis  
M.F.A., Rutgers University, New Jersey

**Gallipeau, Sherrie (2018)**

Science, Engineering, Computer Science, and Math  
B.A., California State University, Berkeley  
Ph.D., California State University, Berkeley

**Gallup, Kathleen (2015)**

Communication and Languages  
A.A., San Joaquin Delta College  
B.A., California State University, Stanislaus  
M.A., National University

**Gamarnik, Alla (2005)**

Science, Engineering, Computer Science, and Math  
B.S., San Francisco State University  
Ph.D., University of California, Los Angeles

**Gambol, Eugene (2022)**

Social Science, Education, and Public Service  
A.A., Sacramento City College  
B.A., University of California, Irvine  
M.A., San Francisco State University

**Garner, Aaron (2007)**

Arts, Humanities, and Multimedia  
B.S., Sonoma State University  
M.F.A., University of Chichester  
M.M., San Diego State University

**Garza, Denise (2024)**

Counseling and Special Services  
B.A., Stanislaus State University  
M.A., Stanislaus State University

**Gautam, Anita (2015)**

Counseling and Special Services  
A.A., San Joaquin Delta College  
B.A., University of California, Davis  
M.S., California State University, Sacramento

**Giannoni, Jordan (2017)**

Communication and Languages  
B.A., University of California, Berkeley  
M.A., Arizona State University  
M.B.A., University of California, Davis

**Gibson, Gregory (2019)**

Social Science, Education, and Public Service  
B.A., National University  
M.A., National University  
Ph.D., Northcentral University

**Giron, Guillermo (2008)**

Communication and Languages  
B.A., California State University, Northridge  
M.A., University of California, San Diego

**Gnassounou, Valerie (2008)**

Communication and Languages  
B.A., University of Paris XII  
M.A., University of Paris XII  
M.B.A., California State University, Sacramento

**Gomez, Josefina (2014)**

Arts, Humanities, and Multimedia  
B.A., University of the Pacific  
M.L.S., San José State University  
J.D., University of California, Davis

## FACULTY

### **Gonzalez, Johana (2022)**

Counseling and Special Services  
A.A., San Joaquin Delta College  
A.S., San Joaquin Delta College  
B.S., California State University,  
Sacramento  
M.S., California State University,  
Sacramento

### **Graham, Kelley (2023)**

Counseling and Special Services  
A.S., Santa Rosa Junior College  
B.S., California State University,  
Sonoma  
M.S., California State University,  
Sacramento

### **Graham, Steven (2008)**

Communication and Languages  
B.A., California State University,  
Stanislaus  
M.A., California State University,  
Stanislaus  
Ed.D., California State University,  
Stanislaus

### **Gregory, Nia (2023)**

Social Science, Education, and  
Public Service  
B.A., California State University,  
Sacramento  
M.A., California State University,  
Sacramento

### **Griggs, Andrew (2024)**

Agriculture  
A.S., Johnson & Wales University  
B.S., Johnson & Wales University  
M.Ed., Teachers College of San  
Joaquin

### **Gutierrez, Alberto (2023)**

Social Science, Education, and  
Public Service  
A.A., Los Angeles Valley College  
B.A., California State University,  
Los Angeles  
M.A., University of California, Los  
Angeles  
Ph.D., University of California, Los  
Angeles

### **Gutierrez, Alicia (2022)**

Counseling and Special Services  
A.A., San Joaquin Delta College  
B.A., San Francisco State  
University  
M.S., San Francisco State  
University

### **Guzman, Mariela (2020)**

Communication and Languages  
M.A., University of the Pacific

### **Halabicky, Robert (2002)**

Agriculture  
A.A., Grand Rapids Community  
College  
B.S., Michigan State University,  
East Lansing

### **Hammer, Patricia (2006)**

Science, Engineering, Computer  
Science, and Math  
B.A., California State University,  
Chico  
M.A., California State University,  
Chico

### **Handy, Josette (2022)**

Health and Fitness  
B.A., California State University,  
Fresno  
M.S., San Francisco State  
University

### **Hanna, Shelley D. (2015)**

Communication and Languages  
A.A., San Joaquin Delta College  
M.A., California State University,  
Stanislaus  
M.A., California State University,  
Sacramento

### **Hannan, John Bradley (2015)**

Technical Careers and Trades  
A.A., Cuesta College  
B.A., California Polytechnic State  
University, San Luis Obispo

### **Harrington, Joseph (2023)**

Communication and Languages  
A.S., Santa Rosa Junior College  
B.A., University of California, Davis  
M.A., University of California, Davis

### **Harris, Jonathan (2023)**

Counseling and Special Services  
A.A., El Camino College  
B.A., University of California, Los  
Angeles  
M.S., California State University,  
Los Angeles

### **Hawley, Lynn A. (1998)**

Social Science, Education, and  
Public Service  
B.A., University of California, Santa  
Barbara  
M.A., Boston University

### **Hepworth, Danell (2012)**

Technical Careers and Trades  
B.S., University of the Pacific  
M.S., National University

### **Hewette, Nena (1993)**

Science, Engineering, Computer  
Science, and Math  
B.A., University of California, San  
Diego  
M.S., University of California, San  
Diego

### **Hofstee, Lindsay (2024)**

Agriculture  
A.A., Diablo Valley College  
B.S., University of California, Davis  
M.S., Colorado State University

### **Holden, Michael (2018)**

Technical Careers and Trades  
A.A., WyoTech, West Sacramento

### **Hollinside, Malika (2021)**

Social Science, Education, and  
Public Service  
B.A., California State University,  
Sacramento  
M.A., California State University,  
Sacramento  
Ed.D., California State University,  
Sacramento

### **Huff, Kathy (2013)**

Business and Law  
CPA License, Board of  
Accountancy  
A.A., San Joaquin Delta College  
B.S., California State University,  
Sacramento  
M.S., Golden Gate University

### **Hutcheon, Philip (1990)**

Communication and Languages  
B.A., University of the Pacific  
Ph.D., Rice University

### **Hyman, Gary (2022)**

Health and Fitness  
B.S., California Polytechnic  
University, Humboldt  
M.A., California State University,  
Stanislaus

## **Faculty J-O**

### **Johnson, Gina C. (1996)**

Health and Fitness  
B.A., California Polytechnic State  
University, San Luis Obispo  
M.A., Saint Mary's College

**Jones, Jayme (2022)**

Counseling and Special Services  
B.A., California State University,  
Chico  
M.A., Bowling Green State  
University  
M.A., California State University,  
Stanislaus

**Jose, Julie (2016)**

Communication and Languages  
B.A., California State University,  
Sacramento  
M.A., California State University,  
Stanislaus

**Kaur, Rajanpreet (2014)**

Science, Engineering, Computer  
Science, and Math  
B.S., California State University,  
Stanislaus  
M.S., University of California,  
Riverside

**Kendrick, Brian (2006)**

Arts, Humanities, and Multimedia  
B.A., Texas Tech University  
M.A., Texas Tech University  
M.S., Syracuse University

**Kim, Christopher (2002)**

Science, Engineering, Computer  
Science, and Math  
B.S., State University of New York,  
Fredonia  
Ph.D., State University of New  
York, Buffalo

**Kirkwood, Gregory (2023)**

Social Science, Education, and  
Public Service  
B.S., University of San Francisco  
M.A., Antioch University  
Ph.D., Union Institute & University

**Knudsen, Robert (2008)**

Science, Engineering, Computer  
Science, and Math  
A.A., San Joaquin Delta College  
B.A., University of California,  
Berkeley  
M.A., California State University,  
Sacramento  
Ph.D., Pacific Western University

**Kobylanski, Andrzej (2014)**

Business and Law  
B.A., University of Agriculture and  
Technology, Poland  
M.A., University of Agriculture and  
Technology, Poland  
M.B.A., North Dakota State  
University  
Ph.D., University of Warmia and  
Mazury

**Kostyrko, Jacek (1996)**

Science, Engineering, Computer  
Science, and Math  
M.S., University of Warsaw Poland  
M.S., University of Alaska,  
Fairbanks

**LaGrow, Martin (2021)**

Regional and Distance Education  
B.S., Dr. Martin Luther College  
M.S., Saint Xavier University  
Ed.D., Nova Southeastern  
University, Florida

**Lagrutta, Annaliza (2016)**

Social Science, Education, and  
Public Service  
B.A., San Francisco State  
University  
M.A., National University

**Larios Rodriguez, Nancy (2023)**

Communication and Languages  
B.A., California State University,  
Chico  
M.A., California State University,  
Chico

**Le, Khanh-Tuoc (2016)**

Science, Engineering, Computer  
Science, and Math  
B.S., University of Montreal  
M.S., University of Montreal  
Ph.D., McGill University

**Lee, Karen (1992)**

Social Science, Education, and  
Public Service  
B.A., Brandeis University, Waltham  
M.A., New School for Social  
Research  
Ph.D., New School for Social  
Research

**Lee Sakoda, Amanda (2018)**

Health and Fitness  
B.S.N., University of California, San  
Francisco  
M.S.N., University of California, San  
Francisco

**Lindborg, Suzanne (2004)**

Science, Engineering, Computer  
Science, and Math  
B.S., University of California,  
Riverside  
M.S., University of California,  
Riverside  
Ph.D., University of California,  
Riverside

**Lopez, Alicia (2002)**

Business and Law  
B.S., University of the Pacific  
M.B.A., California State University,  
Stanislaus

**Lovelace, Charlene (2022)**

Health and Fitness  
A.S.N., San Joaquin Delta College  
B.S.N., Brandman University

**Luna, Alberto (2006)**

Technical Careers and Trades  
A.A., San Joaquin Delta College

**Ma, Van (2015)**

Science, Engineering, Computer  
Science, and Math  
B.S., Nicholls State University  
M.S., Louisiana State University

**MacDonald, Eric S. (2015)**

Communication and Languages  
B.A., San Diego State University  
M.A., California State University,  
Sacramento

**Maciel, Gwendolyn (2022)**

Communication and Languages  
A.A., San Joaquin Delta College

**Macy, Lydia (2014)**

Counseling and Special Services  
A.A., Los Medanos College  
B.A., Sonoma State University  
M.S., San Diego State University

**Main, David (2010)**

Social Science, Education, and  
Public Service  
A.A., San Joaquin Delta College  
B.A., Saint Mary's College of  
California  
M.A., Chapman University

**Maloney, Elizabeth (2000)**

Social Science, Education, and  
Public Service  
B.A., California State University,  
Stanislaus  
M.A., University of the Pacific  
Ed.D., University of the Pacific

**Maloy, Sam (2016)**

Health and Fitness  
A.S., San Joaquin Delta College  
B.S.N., University of Texas at  
Arlington

**Mar Aviles, Milton (2024)**

Technical Careers and Trades  
A.S.

## FACULTY

### **Mariani, Lorenzo (2006)**

Technical Careers and Trades  
A.A., San Joaquin Delta College  
B.S., University of Phoenix  
M.B.A., University of Phoenix

### **Maroney, Michael (2008)**

Health and Fitness  
B.A., University of the Pacific  
M.A., Texas A & M

### **Maumalanga, Master Anthony (2008)**

Science, Engineering, Computer  
Science, and Math  
B.A., University of the South Pacific  
M.S., California State University,  
Hayward

### **McCarty, Steven S. (2016)**

Business and Law  
A.A., Saddleback College  
B.A., University of California,  
Berkeley  
M.P.P.M., University of Southern  
California  
M.A.S., University of California,  
Irvine  
J.D., University of California,  
Berkeley

### **Meagher, Christine (2018)**

Health and Fitness  
A.A., San Joaquin Delta College  
B.A., California State University,  
Stanislaus  
M.A., Adler University

### **Melville, Becky (2022)**

Health and Fitness  
A.D.N., Ohlone College  
B.S.N., Grand Canyon University  
M.S.N., Grand Canyon University  
D.N.P., Grand Canyon University

### **Mersmann, Harry J. (1999)**

Social Science, Education, and  
Public Service  
B.A., Reed College  
Ph.D., University of California,  
Irvine

### **Meza, Richard (2007)**

Health and Fitness  
A.A., San Joaquin Delta College  
B.S., California State University,  
Stanislaus  
M.S., Sonoma State University

### **Mordaunt, Mary Ann (2023)**

Health and Fitness  
M.A., University of the Pacific

### **Moreno, Mario (1995)**

Arts, Humanities, and Multimedia  
B.A., California State University,  
Chico  
M.A., California State University,  
Sacramento

### **Morrow, Jessica D. (2016)**

Communication and Languages  
B.A., San Francisco State  
University  
M.A., San Francisco State  
University

### **Muckenfuss, Pam (2005)**

Counseling and Special Services  
B.A., California State University,  
Sacramento  
M.S., California State University,  
Sacramento

### **Murray, Douglas (2008)**

Social Science, Education, and  
Public Service  
B.A., California State University,  
East Bay  
M.A., California State University,  
East Bay

### **Myers, Gabrielle (2015)**

Communication and Languages  
B.A., Hampshire College  
M.A., Saint Mary's College  
M.A., University of California, Davis

### **Nague, Nicole (2023)**

Technical Careers and Trades  
B.S., California State University,  
Sacramento  
PharmD, California Northstate  
University

### **Narita, Grant M. (2001)**

Counseling and Special Services  
B.S., California State University,  
Hayward  
M.A., San José State University

### **Nathaniel, Sharmila P. (2002)**

Counseling and Special Services  
A.A., San Joaquin Delta College  
B.A., California State University,  
Sacramento  
M.A., University of the Pacific

### **Neal, James (2021)**

Science, Engineering, Computer  
Science, and Math  
B.A., California State University,  
Sacramento

### **Neal, Melissa (2014)**

Social Science, Education, and  
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