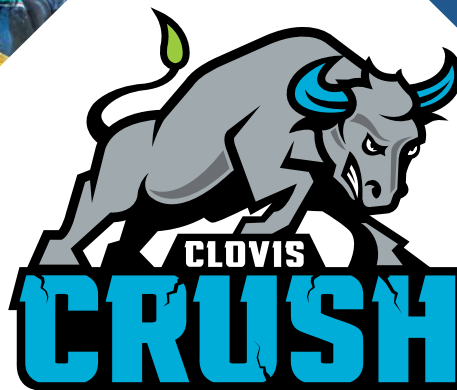
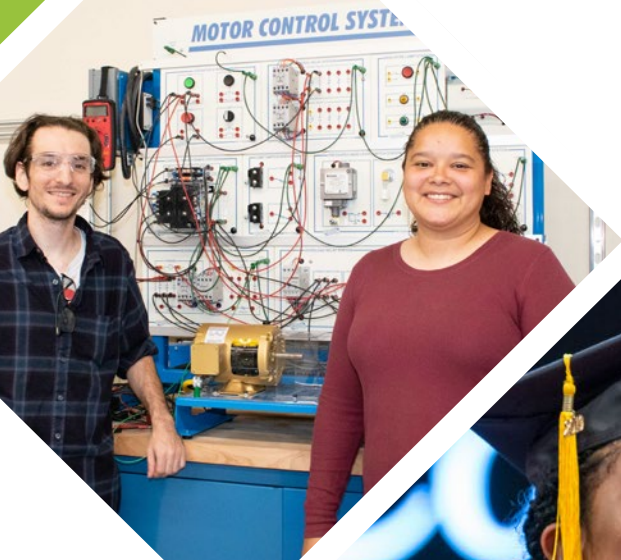


# 2019-2020 Catalog





# CLOVIS COMMUNITY COLLEGE

## 2019-2020 CATALOG



10309 North Willow Avenue • Fresno, CA 93730 • (559) 325-5200 • [www.cloviscollege.edu](http://www.cloviscollege.edu)  
State Center Community College District

# CATALOG STATEMENT

Clovis Community College is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges (10 Commercial Boulevard, Suite 204, Novato, CA 94949; (415) 506-0234), an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education.

This publication is intended to serve students and prospective students as a guide to program planning, institutional services, and regulations for attendance at this institution. This catalog becomes effective with the Fall 2019 semester and ends with the Summer 2020 semester, unless otherwise amended. The college reserves the right to adjust conditions of enrollment, class offerings and services rendered as dictated by the limits of institutional resources and enrollment conditions.

Students are held individually responsible for the information contained in the catalog. Failure to read and comply with college regulations will not exempt students from whatever penalties may incur.

Reference copies of the catalog are available in the Library, Counseling Center, Admissions and Records Office, on-line, and in the offices of the Vice President of Instruction and Vice President of Student Services, and educational advisors. Students are encouraged to purchase and use their own copy of the catalog. Personal copies are for sale in the Clovis Community College Bookstore.





# A MESSAGE FROM THE PRESIDENT

## LORI BENNETT, Ed.D.

*"CREATING OPPORTUNITIES - ONE STUDENT AT A TIME"*



On behalf of the faculty, staff, and administrators, I would like to welcome you to Clovis Community College.

We are excited that you selected us to help you reach your goals. At Clovis Community College, we believe in our mission: "Creating Opportunities – One Student at a Time." Our highly qualified faculty members and dedicated, professional staff and administrators are committed to your success. As one of the newest colleges in the California Community College system, Clovis Community College now serves nearly 12,000 students!

Whether you are attending Clovis Community College to earn a transfer degree, an associate degree, or to complete a workforce certificate and upgrade job skills, we can assist you in creating an educational plan to help you reach your goals. We offer over 85 degrees and certificates in a wide range of transfer and career areas. We also provide a wide range of student support services, opportunities to explore career options, and a variety of engaging student activities.

On July 20, 2015, the California Community Colleges Board of Governors voted unanimously to recognize Clovis Community College as the 113th campus of California's community college system. The campus opened in 2007, first known as the Willow International Center, then Clovis Community College Center. Now, we are Clovis Community College.

Clovis Community College is one of the newest colleges in the State Center Community College District - one of the state's largest community college districts, serving over 50,000 students. Together with the other two colleges in the district, Fresno City and Reedley, we provide a range of programs for our diverse student populations and in support of workforce and economic development for the central valley.

Clovis Community College also offers classes at the Herndon Campus, which is four miles from the main campus and is located at 390 West Fir Avenue in Clovis, California.

Clovis Community College publishes a schedule of classes prior to each academic session, and both the catalog and schedule are available on our website at [www.cloviscollege.edu/current-students/](http://www.cloviscollege.edu/current-students/). I encourage you to use the catalog as your planning resource guide to explore all the opportunities available at Clovis Community College. If you don't find answers to your questions as you look through the course catalog or website, please call or email our knowledgeable support staff at 559-325-5200.

To the many freshmen who will enter Clovis Community College this fall, and to all returning students, we welcome you and wish you success as you now become a member of the Clovis Crush family and part of our legacy of excellence.

Sincerely,

Dr. Lori Bennett  
President

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# INTRODUCTION

## Vision Statement

Clovis Community College is the college of choice for academic excellence, innovation, and student achievement.

## Mission Statement

Creating Opportunities – One Student at a Time:

- We embrace diversity and serve all students of the community;
- We believe education is based on integrity, generosity, and accountability;
- We foster critical, creative, and engaged thinking;
- We support student success by preparing students for their futures and for the community's future through career/technical certificates, degrees, and transfer programs;
- We cultivate community partnerships to enhance student learning and success;
- We engage in reflective, data-driven cycles of research and innovation focused on learning and student outcomes.

## Philosophy

At Clovis Community College, we believe that people's lives are enriched in an atmosphere of intellectual curiosity, personal integrity, and individual accomplishment. The college furnishes experiences designed to promote critical thinking, enhance cultural literacy, and foster an awareness of the interdependence of all persons and their environment.

Clovis Community College is committed to maintaining a highly qualified staff of educators and support personnel who reflect the diversity of our unique community. We embrace a flexible attitude toward change and encourage the spirit of innovation.

The goal of the college is to develop each student's full potential as well as respect for self and others. To this end, the college provides comprehensive curriculum offerings, lifelong learning opportunities, counseling, and educational services.

## Institutional Learning Outcomes

### 1. Communication & Literacy

- a. Interpret various types of written, visual, and verbal information.
- b. Organize ideas and communicate precisely and clearly to express complex thoughts both orally and in writing.
- c. Synthesize researched information obtained from accurate, credible, and relevant sources to support, advance, or rebut an opinion.

### 2. Critical Thinking

- a. Analyze quantitative and qualitative information and apply scientific methodologies.
- b. Use critical and creative modes of inquiry to solve problems, explore alternatives, and make decisions.
- c. Integrate and apply knowledge, skills, and abilities gained in a variety of courses to new situations.

### 3. Global Awareness

- a. Use cultural, historic, or aesthetic perspectives to analyze the fine arts, humanities, and social sciences.
- b. Recognize and practice civic, environmental, and social responsibility.
- c. Demonstrate understanding and respectful treatment of diverse cultures of the world.

### 4. Personal Responsibility and Professional Development

- a. Use physical and psychological principles to make healthy lifestyle choices.
- b. Use theoretical and practical knowledge to make ethical personal and professional decisions.
- c. Use effective collaboration tactics when working with others.

## History of Clovis Community College

During the 1990's, the State Center Community College District established centers in the district's northern area in an effort to increase the educational and student support services offered to the residents in that area. The Board of Trustees assigned Reedley College to assume the lead role in the development of sites in Madera and Oakhurst. In 1992, the Clovis site was established when the district purchased the Herndon Avenue land and buildings that were previously owned by a private college. This same year, the Chancellor, with the approval of the Board, established a new entity called the "North Centers" of the State Center Community College District, which was inclusive of the Clovis, Madera, and Oakhurst campuses. A Vice Chancellor of the North Centers was hired to be the Chief Executive Officer (CEO).

In 2003, in response to the growth at the Clovis site, the Board of Trustees completed the acquisition of 110 acres for a permanent site located at Willow and International Avenues in Fresno across the street from the Clovis Unified School District. The Willow International Community College Center site was approved through a Substantive Change by the ACCJC Substantive Change Committee on November 16, 2007, and was built to replace the much smaller Clovis campus, one of the three original North Centers' sites. The new Center opened in Fall 2007 with a single building, Academic Center One, and served the north Fresno/greater Clovis area. The first phase included an 80,000 square foot Academic Center, Academic Center One, which included computer laboratories, a multi-media studio, art studio, physics and science laboratories, an assembly hall, distance learning, and traditional classrooms, a library, student services, and offices. The facility also included a central plant, café, and bookstore. The \$50 million funding for the complex was obtained through local and State bond monies.

In addition to the phase one facilities described above, funding was awarded through AB-16 California Joint Use Facilities legislation to construct a Child Development Center (CDC) through collaboration with the Clovis Unified School District (CUSD) and State Center Community College District (SCCCD). The facility is used as a licensed child care laboratory for high school and college students taking child development and pre-teaching courses. The \$6 million building is comprised of state-of-the-art facilities, including a playground, funded through a grant from the Fresno County First Five organization.

In Fall 2010, the second Academic Center opened adding another 80,000 square feet of instructional and support service space. Academic Center Two includes a Counseling Center, Admissions and Records Office, Financial Aid Office, Library/Learning Center, Assessment Center, Dance Studio, Fitness Center, three chemistry labs, three biology labs, healthcare skills lab, two distance learning conference rooms, one distance learning classroom, a large-group instruction lecture hall, offices, and other classrooms. As with Academic Center One, funding for the facility came from local bond and matching state bond funding.

During Fall 2014, in anticipation of becoming the next fully accredited college in the State Center Community College District, the Willow International Community College Center changed its name to Clovis Community College Center. In July 2015, Clovis Community College Center was granted college status, and the Fall 2015 semester marked the campus' first as the third fully accredited college in State Center Community College District and the 113th community college in California.

As of Fall 2018, nearly 12,000 students attend Clovis Community College. The college offers approximately 1300 courses annually in 50 areas of study and gives students a choice of Associate Degrees, Associate Degrees for Transfer, and Certificates of Achievement. Instructional opportunities include traditional classrooms, online, and hybrid (a mix of online and face-to-face) modalities. Courses, programs, degrees, and certificates were offered through the Reedley College catalog and curriculum until Clovis Community College was granted accreditation.

The presidents, in order of tenure are:

- Dr. Terral W. Kershaw, Campus President, Willow International/Community College Center (2012)
- Deborah J. Ikeda, Campus President, Clovis Community College Center (2012) Founding President, Clovis Community College (2015)
- Dr. Lori Bennett, President, Clovis Community College (2016)

## The District

Clovis Community College is one of three colleges in the State Center Community College District. The district encompasses a 5,500 square mile area and 17 unified and high school districts.

The State Center Community College District office is located at 1171 Fulton Street, Fresno, CA 93721. The district is comprised of Clovis Community College, Herndon Campus, Reedley College, Madera Community College Center, Oakhurst Community College Center, Fresno City College, Career and Technology Center, and the district-wide Training Institute. Each campus offers certain programs/courses which are unique and are not offered at the other campuses.

# STUDENT RIGHT TO KNOW

In compliance with the Student-Right-to-Know and Campus Security Act of 1990 (Public Law 101-542), it is the policy of the State Center Community College District and Clovis Community College to make available its completion and transfer rates to all current and prospective students. Beginning in Fall 2015, a cohort of all certificate-, degree-, and transfer-seeking first-time, full-time students was tracked over a three-year period. Their completion and transfer rates are listed below. These rates do not represent the success rates of the entire student population at Clovis Community 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 2015 to Spring 2018. 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', from Spring 2016 to Spring 2018, are transfer students.

Completion Rate: 23.2%

Transfer Rate: 16.09%





# ACADEMIC CALENDAR

## SUMMER AND FALL 2019; SPRING 2020

March 25	(M)	Summer and Fall 2019 priority registration begins for continuing students (by assigned date)
April 23	(T)	Summer 2019 and Fall 2019 open registration begins for all students
May 20-24	(M-F)	Spring 2019 final exams week
May 24	(F)	End of Spring 2019 semester/commencement
May 27	(M)	Memorial Day holiday (campus closed)
May 28	(T)	Start of 4-week and 10-week Summer Sessions
June 10	(M)	Start of 8-week Summer Session
June 21	(F)	End of 4-week Summer Session
June 24	(F)	Start of 6-week Summer Session (Classes will meet M-F (5 days) week 1 only)
July 4	(Th)	Independence Day holiday (no classes held, campus closed)
August 2	(F)	End of 6, 8, and 10-week Summer Sessions
August 9	(F)	Last day to add a full-term Fall 2019 class in person or online through WebAdvisor 5:00 p.m.
August 12	(M)	Start of Fall 2019 semester
Aug 12 - Oct 11	(M-F)	Short-term classes, first nine weeks
August 23	(F)	Last day to drop a Fall 2019 full-term class for full refund
August 30	(F)	Last day to register for a Fall 2019 full-term class in person
August 30	(F)	Last day to drop a Fall 2019 full-term class to avoid a "W" in person
September 2	(M)	Last day to drop a Fall 2019 full-term class to avoid a "W" on WebAdvisor
September 2	(M)	Last day to add a Fall 2019 full-term class with an authorization code label on WebAdvisor
September 2	(M)	Labor Day Holiday (no classes held, campus closed)
September 13	(F)	Last day to change a Fall 2019 class to/from Pass/No-Pass grading basis
October 11	(F)	Last Day to drop a full-term class (letter grades assigned after this date)
Oct 14 - Dec 13	(M-F)	Short-Term classes, second nine weeks
November 11	(M)	Veterans Day observed (no classes held, campus open)
November 28-29	(Th-F)	Thanksgiving holiday (no classes held, campus closed)
December 9-13	(M-F)	Fall 2019 final exams week
December 13	(F)	End of Fall 2019 semester
Dec 17 - Jan 1	(M-F)	Winter Recess (campus is open December 16-24; campus closed December 25-January 1)
January 2	(TH)	Campus re-opens after Winter Break
January 10	(F)	Last day to add a full-term Spring 2020 class in person or online through WebAdvisor 5:00 p.m.
January 13	(M)	Start of Spring 2020 semester
Jan 13 - Mar 13	(M-F)	Short-term classes, first nine weeks
January 20	(M)	Martin Luther King, Jr. Day observed (no classes held, campus closed)
January 24	(F)	Last day to drop a Spring 2020 full-term class for full refund
January 31	(F)	Last day to register for a Spring 2020 full-term class in person
January 31	(F)	Last day to drop a Spring 2020 full-term class to avoid a "W" in person
February 2	(SU)	Last day to drop a Spring 2020 full-term class to avoid a "W" on WebAdvisor
February 14	(F)	Lincoln Day observance (no classes held, campus closed)
February 17	(M)	Washington Day observance (no classes held, campus closed)
February 21	(F)	Last day to change a Spring 2020 class to/from Pass/No-Pass grading basis
March 13	(F)	Last Day to drop a full-term class (letter grades assigned after this date)
Mar 16 - May 22	(M-F)	Short-term classes, second nine weeks
April 6-9	(M-Th)	Spring recess (no classes held, campus open)
April 10	(F)	Good Friday observance (no classes held, campus closed) (classes reconvene April 13)
May 18-22	(M-F)	Spring 2020 final exams week
May 22	(F)	End of Spring 2020 semester/commencement
May 25	(M)	Memorial Day holiday (campus closed)

Note: Evening classes observe the same holiday and examination schedule as day classes.

# ADMISSIONS AND REGISTRATION

## Admission of Students

Any graduate of an accredited high school may be admitted to Clovis Community College. Also, any person having successfully completed the California High School Proficiency Exam (CHSPE) or the General Education Development test (GED) with scores of 45 overall and with no subtest lower than 35 may be admitted.

Upon completion of applicable admission requirements, registration materials are issued by the Admissions and Records Office. For dates relating to registration, check the calendars in this catalog or inquire at the college's Admissions and Records Office in Academic Center 2, room 130 (AC2-130).

Students should complete all plans for entrance as early as possible and be familiar with the following: (1) general requirements of the college, (2) special requirements in the major field of study, (3) the general requirements of the college or university they may wish to attend in the future, and (4) the most desirable electives.

## General Admission

Admission to Clovis Community College is open to anyone (subject to residency requirements listed on page 12) who is at least 18 years old, or has a high school diploma, or the equivalent (such as the California High School Proficiency Examination).

## Readmission

Former students of Clovis Community College returning after an absence of two or more semesters must make formal application for readmission. An official transcript of work taken at any other institution (including summer session and extension or correspondence courses) since the date of last enrollment at Clovis Community College must be sent from the previous schools to Clovis Community College, 10309 N. Willow Ave., Fresno, CA 93730.

## Transfer Admission

Students who have previously attended another college and are in good scholastic standing are eligible to enroll at Clovis Community College, subject to residence requirements. Records for transfer students are evaluated with regard to the scholastic status system in use at Clovis Community College at the time of enrollment. It is important to note that transcripts received with "work in progress" are not considered complete.

## International Admission

SEVIS Certification in process.

## Community College

### Dual Enrollment Program

Current high school juniors and seniors may be admitted to the college through the Community College Dual Enrollment Program. High school students can obtain information from their high school counselor or from the college's Counseling Center. Call (559) 325-5230 for details.

In addition to the regular semesters, high school students are eligible for the summer session prior to their sophomore year and the summer session between their sophomore and senior years. The same first day attendance and permission to enroll applies for the summer classes.

## Summary of Admission Requirements

Any person who intends to enroll at Clovis Community College shall be required to:

1. File a completed admission application prior to the deadline as specified in the catalog.
2. Request the last high school attended to send one transcript of work completed or attempted if high school was attended in the last two years. Transcript is to be an official copy sent directly from the previous school to:  
Clovis Community College  
Admissions and Records Office  
10309 N. Willow Avenue  
Fresno, CA 93730
3. Have the GED scores or a copy of the CHSPE Certificate sent to the Admissions and Records Office.
4. Request each college of attendance to send a complete transcript of work attempted whether or not credit was earned. Transcripts are to be official copies sent directly from the previous college to Clovis Community.

## Application

Clovis Community College is one of multiple colleges and centers within the State Center Community College District (SCCCD). Students need only submit one application for admission to any of SCCC's colleges/centers.

Apply online at <http://www.cloviscollege.edu/admissions-and-aid/admissions/getting-started.html> for greatest convenience. Applications are also available from the Admissions Office at any college or center within SCCC, or from the counseling office at your local high school.

## Who Needs to Apply?

If you have never attended (first time college or transfer student) a college or center within the State Center Community College District (SCCCD); If you previously attended (returning student) a college or center within SCCC and have been away for two or more consecutive primary semesters (fall to spring or spring to fall); if you are high school graduate and previously attended a high school student (enrichment or dual enrollment); you must complete the SCCC online admissions application.

High school students who wish to enroll in college courses before graduating high school, must complete a SCCC online Enrichment/Dual Enrollment admissions application as well as the required Enrichment or Dual Enrollment program packet for the campus of center he/she would like to attend.

## Residency

By law, every student must file a statement declaring his/her residence status. The form for such a statement is included in the application process.

A maintenance allowance is available for students attending Clovis Community College whose permanent residence is in a California non-district territory (district without a community college) and who live more than 60 miles from the "nearest community college attendance center." For further information, contact the Admissions and Records Office in room AC2-130. (Title 5 section 54200) 5CA ADCS 54200.

It is recommended that all students whose legal residence is outside of the State Center Community College District have a health and accident insurance policy while attending Clovis Community College.

## In-State

Students who have established residency in California for at least one year and one day prior to the beginning of the term in which they enroll.

## Out-of-State/International

Students who have not resided in California for at least one year and one day prior to the beginning of the term in which they enroll.

## Exemption from Nonresident Tuition

(AB-540)

Any student, other than a nonimmigrant alien, who meets all of the following requirements, shall be exempt from paying nonresident tuition at all public colleges and universities in California:

- Requirements:
  - Requirement 1: Attendance at California schools. This requirement may be met in either of the following two ways:
- Total attendance (or attainment of credits earned) in California equivalent to three or more years of full-time attendance at California high schools, California high schools established by the State Board of Education, California adult schools (established by a county office of education, a unified school district or high school district, or the Department of Corrections and Rehabilitation), campuses of the California Community Colleges, or a combination of these; or
- Three or more years of full-time California high school coursework, and a total of three or more years of attendance in California elementary schools, California secondary schools, or a combination of California elementary and secondary schools. (Ed. Code, § 68130.5, subd. (a)(1).)

Full-time attendance at a California community college means either 12 units of credit per semester (or quarter equivalent per year) or a minimum of 420 class hours per year (or semester or quarter equivalent per year) in non-credit courses authorized by Education Code section 84757. Attendance in credit courses at a California community college counted towards this requirement shall not exceed a total of two years of full-time attendance. (Ed. Code, § 68130.5, subds. (a)(1)(C)(i), (a)(1)(C)(ii).)

Full-time attendance at a California adult school means a minimum of 420 class hours of attendance for each school year in classes or courses authorized by Education Code section 41976, of Penal Codes sections 2053 or 2054.2 (Ed. Code, § 68130.5, subd. (a)(1)(C)(i).)

- Requirement 2: Completion of a course of study. This requirement may be met in any of the following ways:
- Graduation from a California high school or equivalent.

- Attainment of an associate degree from a California community college.
- Fulfillment of the minimum transfer requirements established for the University of California or the California State University for students transferring from a California community college. (Ed. Code, § 68130.5, subd. (a)(2).)
  - o Requirement 3: Registration. Requires registration as an entering student at, or current enrollment at, an accredited institution of higher education in California. (Ed. Code, § 68130.5, subd. (a)(3).)
  - o An alien student who is without lawful immigration status must file an affidavit with the college or university stating that he or she has filed an application to legalize his or her immigration status, or will file an application as soon as he or she is eligible to do so.
- Students who are non-immigrants [for example, those who hold F (student) visas, B (visitor) visas, etc.] are not eligible for this exemption.
- The student must file an exemption request including a signed affidavit with the college that indicates the student has met all applicable conditions described above. Student information obtained in this process is strictly confidential unless disclosure is required under law.
- Students eligible for this exemption who are transferring to another California public college or university must submit a new request (and documentation if required) to each college under consideration.
- Nonresident students meeting the criteria will be exempted from the payment of nonresident tuition, but they will not be classified as California residents. They continue to be “nonresidents.”
- AB540 allows undocumented students who meet certain requirements to pay in-state tuition instead of out-of-state tuition in California’s higher institutions, such as the University of California, California State Universities and California Community Colleges.

## Reclassification

A student previously classified as a non-resident may request reclassification by completing a Residency Questionnaire available at the Admissions and Records Office. The request for reclassification must be submitted prior to the semester for which reclassification is to be effective. Extenuating circumstances may be considered in cases where a student failed to petition for reclassification prior to the residency determination date. In no case, however, may a student receive a nonresident tuition refund after the date of the first census.

Written documentation, evidence of both physical presence and intent, may be required of the student in support of the residence reclassification.

A student shall be considered financially independent for purposes of residence reclassification if the applicant meets all of the following requirements:

- Has not and will not be claimed as an exemption for state and federal tax purposes by his or her parent in the calendar year prior to the year the reclassification application is made;
- Has not lived and will not live for more than six weeks in the home of his or her parent during the calendar year the reclassification application is made.

A student who has established financial independence may be reclassified as a resident if the student has met the requirements of Title 5 Sections 54020, 54022 and 54024. Determination of financial independence is not required for students who were classified as nonresidents by the University of California, the California State University, or another community college district. (Education Code Section 68044) The Admissions and Records Office will make a determination based on the evidence and notify the student no later than 14 days after receipt of the request for reclassification. Students have the right to appeal according to the procedures below.

## Appeal Procedure

The appeal is to be submitted to the Admissions and Records Office which must forward the appeal to the Vice President of Student Services within five working days of receipt. Copies of the original application for admission, the residency questionnaire, and evidence or documentation provided by the student, with a cover statement indicating upon what basis the residence classification decision was made, must be forwarded with the appeal.

The Vice President of Student Services shall review all the records and have the right to request additional information from either the student or the Admissions and Records Office. Within 30 calendar days of receipt, the Vice President of Student Services shall send a written determination to the student. The determination shall state specific facts on which the appeal decision was made.



## Matriculation and Student Success

Clovis Community College strives to make students aware of the varied educational programs that are offered and to provide smooth access to these programs. Once enrolled, the college provides many services to ensure success.

Matriculation is the process that brings Clovis Community College and each student into an agreement for the purpose of realizing the student's educational objectives. All new first-time college students may choose to matriculate. Clovis Community College provides the following matriculation services:

- An admission process
- Orientation to college programs, services, college email address, and procedures
- Individual counseling to the develop a Student Educational Plan
- Continuous follow-up on student progress with referral to support services as necessary

As their part of the Student Success Plan, students agree to:

- Declare a specific educational objective within a reasonable period of enrollment
- Complete online orientation
- Attend counseling sessions to develop a Student Educational Plan for the first two semesters.

## Exemptions

Students may be exempt from various matriculation components. See a counselor to review exemption criteria. Any student may seek waiver from the matriculation process. Visit the Counseling Center for more information.

## Appeals Procedure

Students may request, in writing, to waive orientation, counseling, and assessment. Students will meet with a counselor to discuss the student's request for exemption. If a disagreement ensues, the student will be allowed to appeal to the Dean of Student Services, and the student will discuss the student's request and resolve it during this meeting. In every case, the student has the right to be exempted from matriculation components, although the counselor and/or vice president may believe that participation is in the student's best interest and would be beneficial in helping the student to select appropriate classes. Any matriculation service that is waived or not completed will result in the loss of enrollment priorities.

## Student Success Checklist

- o APPLICATION/ADMISSION  
I have completed and submitted a Clovis Community College application
- o STUDENT EMAIL  
I have activated my student email account.
- o FINANCIAL AID (optional)  
I have completed the FAFSA (Free Application for Federal Student Aid) and submitted it to the Clovis Community College Financial Aid Office, located in Academic Center 2, room 141 (AC2 141).
- o ORIENTATION  
I have completed the online orientation.
- o COUNSELING and ADVISEMENT  
I have met with a counselor for class selection and advising.
- o STUDENT EDUCATIONAL PLAN (SEP)  
I have met with a counselor to develop a semester by semester student education plan based on my educational and individual circumstances.
- o REGISTRATION  
I have registered in classes through one of the registration processes: Reg-to-go, WebAdvisor, or in person in Admissions and Records (AC2-130).
- o FOLLOW-UP  
I have scheduled a follow-up appointment with a counselor to discuss certificates, degrees, majors and develop, revise, or complete an SEP.

## Matriculation Exemptions

Certain students may be exempt from several components of matriculation including assessment, orientation, and counseling/advising. Any matriculation service that is waived or exempted may result in loss of enrollment priorities.

The exemptions are as follows:

Assessment exemption:

- 1) the student has submitted evidence (e.g., official grade report or transcript) which provides verification of satisfactory completion of the college level prerequisite course; or
- 2) the student chooses not to participate.

Orientation and/or counseling/advising exemption:

- 1) the student chooses not to participate;
- 2) the student has completed twelve or more acceptable transferable units;
- 3) the student has completed an associate degree or higher;
- 4) the student has certain educational goals;
  - a. to maintain a certificate or license;
  - b. personal development (intellectual, cultural); or
  - c. to complete credits for a high school diploma or G.E.D.

## Counseling and Advising

A counselor or educational advisor is available to assist students with their educational endeavors each semester. Students may obtain counseling assistance by contacting the Counseling Center. Online counseling is also available via the Clovis Community College website at <http://www.cloviscollege.edu/student-services/academic-counseling/online-academic-counseling.html>

## AB705 & AB1805 for Course Placement

### Multiple Measure Placement Process

In alignment with AB705/AB1805, Clovis Community College ensures our students' right to access transfer level coursework in English and Math. CCC utilizes a process that includes measure criteria for initial course placement.

## How To Complete Placement

### New Students

Drop in to meet with a counselor to determine your initial course placement. Bring an unofficial copy of any documents that can be reviewed for appropriate placement into coursework which may include:

- High school transcript (strongly recommended if you have graduated within the last 10 years)
- AP/IB Exam Scores
- Transcript of any college coursework completed outside of State Center Community College District

### Continuing or Returning Students:

If you are a current or returning student and have already started our former English or Math sequence, you might receive a higher placement using the new placement criteria and updated course offerings. Please see a counselor for additional information.

## Multiple Measure Placement Criteria

**Criteria that may be used to place students into courses may include:**

- High school coursework
- High school grades
- High school grade point average
- AP/IB Exam Scores
- College coursework completed at another college/university
- Guided Self Placement

Based on a review of these multiple measures, students may be eligible to enroll in transfer level English or math courses, with or without co-requisite support.

## Registration

Following the application process, a student receives approval for registration. Registration dates are assigned per the District's Enrollment Priorities Policy.

Registration is the act of officially enrolling in one or more courses at one or more of the State Center Community College District locations.

## Concurrent College Enrollment

Students planning to attend Clovis Community College and another college (not in the SCCC) at the same time are required to obtain a "Concurrent Enrollment Authorization" form from the college where the major number of units will be taken.

Forms are available at the Admissions and Records Office in room AC2-130, for students who will be taking the majority of units at Clovis Community College.

Other colleges and sites in the SCCC offer courses and programs not available at Clovis Community College. Students may attend both colleges concurrently without following the procedure described above.

Students may contact their counselors for more specific information on procedures to be followed.

## Intra-District Transfer

Clovis Community College students who plan to transfer to other colleges and sites in the SCCC for the ensuing semester will receive the same registration service and priority as currently enrolled other colleges and sites in the SCCC students. It is advised that any transfer student see a counselor.

## Class Schedule Change

Errors in registration should be rectified during the first week of each semester. Students are encouraged to discuss with their counselors program changes that affect their educational plans.

## Student Fees

### Enrollment Fees\*

The state of California mandates an enrollment fee be charged to all students. Each student pays this enrollment fee based upon the number of units he/she registers for each semester. California residents are charged \$46 per unit. Fees are due on the date indicated in the schedule and as posted on the college website. Beginning the first day of the semester, however, fees are due the same day of registration. California residents are encouraged to apply for the Board of Governors Enrollment Fee Waiver through the Financial Aid Office.

*\* Fees are subject to change without notice.*

### Nonresident and International Tuition

Nonresident and international students are charged tuition fee as follows (Education Code 76140):

Regular and Summer Sessions	Summer	Fall
Each full unit taken:	<b>2019</b>	<b>2019</b>
Nonresident Student Tuition	\$258	\$265
International Student Tuition	\$258	\$265
Plus Enrollment Fee per unit	\$46	

*Note: Nonresident tuition is computed each year in accordance with a state-mandated formula and is therefore subject to change. Contact the Business Office for current information. Fees are subject to change without notice.*

A “nonresident” student is a student who has not resided in the state for more than one year immediately preceding the first day of the regular semester/summer session (Title 5, Section 54002), or has not demonstrated evidence of intent to be a California resident. Check with the Admissions and Records Office for details regarding residency requirements.

All international students must also have proof of domestic health insurance coverage in the amount prescribed by Board policy (which includes repatriation). Contact the Admissions and Records/International Students Office for details.

Authorized apprenticeship students are exempt from nonresident tuition fees for apprenticeship courses only.

### Instructional Materials Fee\*

In accordance with Title 5, Section 59404(b) and Title IV, State Center Community College District may require students to provide certain instructional and other materials. These may include, but are not limited to, textbooks, tools, equipment, and clothing (e.g. uniforms).

Such material may be required if:

1. The materials are used in the production of a course-related project or “end project” that has a continuing value to the students outside of the classroom setting; or
2. The materials required for the class have continuing value to the students outside the classroom setting.

### Health Fees\*

The health fee provides students with a variety of health care services. In accordance with Board policy, students are required to pay a health fee, regardless of the units taken. For on-campus classes the health fee is \$20 for each semester (fall and spring terms) and \$16 for the summer term. For off-campus and online classes, students are required to pay an \$11 health fee each term (fall, spring, and summer). For students enrolled at both on-campus and off-campus sites, the health fee is charged at the on-campus rate. On-campus sites include Clovis Community College, Fresno City College, Reedley College, Herndon Campus, and Madera and Oakhurst Community College Centers. This fee is not waived by the Board of Governor’s Fee Waiver. The use of on-campus labs or the on-campus tutorial center will result in an on-campus health fee.

In accordance with California Educational Code Section 76355, an exemption/waiver from the health fee is available to the following students:

- Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization.
- Students who are attending a community college under an approved apprenticeship training program.

The Health Fee Waiver Form is available at Clovis Community College, Admissions and Records and online. The form must be turned in at the time fees are paid.

### Parking Fee\*

Students who choose to use an approved on-campus parking area must purchase a district parking permit. The permit must be displayed in the vehicle and must be visible at all times. Fall and spring permits are \$30 per semester. Summer session permits are \$20. Student semester permits may be

\*The ID Card can also be activated as a bus pass for Fresno Area Express and Clovis Round Up

purchased in the Admissions and Records Office (AC2-130) and the Bookstore. Staff parking permits are available for purchase in Admissions and Records only. One-day permits are available in vending machines at parking lot entrances for a fee of \$1 (quarters only). Metered and handicap parking are also available. Copies of campus parking regulations are available at the Admissions and Records office or the campus Police Department.

### Transcript Fee\*

Requests for transcripts of courses taken at Clovis Community College or within the State Center Community College District must, by provision of State and Federal law, be accompanied by the written signature of the student. Students are entitled to obtain two copies of their transcript free of charge; each additional copy is \$5. Payment must be received before the request will be processed. You may pay by check, money order, or credit card. Cash is accepted in the Admissions and Records Office. Payments are also accepted online at <http://www.cloviscollege.edu/admissions-and-aid/business-office/fee-payment.html>. Please do not mail cash with transcript request. Transcripts will not be provided if the student has a "hold" on their account.

Normally, transcripts are available within five working days except during periods which involve holidays or at the beginning or end of each semester. At those times, students should allow 10 to 20 working days for processing. When requesting transcripts by mail, address the request to the Admissions and Records Office, 10309 N. Willow Ave., Fresno, CA 93730. Transcripts from other institutions become a part of the student's permanent file and are not duplicated and forwarded with the Clovis Community College transcript.

### Associated Student Body Identification Card Fee\*

Students have the option of purchasing an ASB identification card for \$10 for the academic year which begins each fall term. ASB cardholders receive discount rates for admission to a number of college activities and may vote in student elections.\* For more information, contact the Clovis Community College Student Activities Office at (559) 325-5391.

### Clovis Community College Associated Student Government Representation Fee\*

A student representative fee of \$1.00 is charged each semester, excluding summer sessions, to all students taking classes at Clovis Community College, Reedley College, and Fresno City College, including the community campus locations. The fee is charged at each location a student attends, so students attending all three locations would be charged a total of \$3.00. This fee is used for student

advocacy at the local, state, and national levels. A waiver of this fee can be obtained for religious, political, moral, or financial reasons. Waiver forms may be found in the Clovis Community College Student Activities Office, Academic Center 1, room 160 (AC1-160). For more information, contact the Clovis Community College Student Activities office at (559) 325-5391.

### Credit by Exam Fee

Application for Credit by Examination is available in the Admissions Office. If the application for the credit by exam is approved, the student must pay the credit by exam fees to the Admission and Records Office (AC2-130), no later than the end of the ninth week of the semester in the amount of \$10 for the first unit plus \$5 for each additional unit for each course on credit by examination (i.e. credit by exam fee for a 4.0 unit class would be \$25 plus the \$46 per unit enrollment fee\* for a total of \$209. If California residency has not been established, non-resident tuition fees will also be added). The receipt for payment must be presented to the instructor before the exam will be administered. Financial Aid is NOT available including the Board of Governor's fee waiver.

Those students otherwise required to pay non-resident fees will also be required to pay the non-resident unit fee for each unit of a course challenged in addition to the specific Credit by Examination fees noted in the above paragraph.

### Refund to Students

#### \*Refund Fee Processing

It is the student's responsibility, not the instructor's responsibility, to drop a class by the refund/fee reversal deadline. A refund or reversal of enrollment, tuition, and class material fees shall be made in accordance with the district refund policy. Students are required to submit a refund request form to the College Business Office. Requests may also be submitted online at <http://www.cloviscollege.edu/admissions-and-aid/business-office/refunds-and-fee-reversals.html> by selecting the "Request fee Refunds" option. Please ensure that all class(es) are dropped before submitting your request. The refund process may take up to eight weeks to process. If fees were paid with a credit card the refund will be applied to that credit card. If paid by check or cash, a refund check will be made payable to the student and is mailed to the student's official address on record with the college.

#### \*Refund of Enrollment Fees and Tuition

Refund or reversal of enrollment fees and tuition shall be made following cancellation or withdrawal from class(es) in accordance with the following schedule. Refunds shall be initiated upon receipt of a written request to the Business Office. Requests may also be made online. Refund requests are subject to an audit of the student's

record to verify balance. Credit balances may be carried forward to the new term in lieu of a refund. Balances greater than or equal to \$15 will remain on the books for three years and amounts less than \$15 will remain on the books for one year.

### **Primary Term-Length (Full Semester) Classes**

- Withdrawal during the first two weeks of the semester ..... 100% refund
- Withdrawal after the second week of the semester ..... no refund

### **Summer/Short-Term Classes**

State code defines the drop deadlines to qualify for fee refund/reversals for short-term classes as on or before 10 percent of the duration of the class.

- A 100% refund is given upon withdrawal by the 10 percent point.
- No refund is given after withdrawal beyond the 10 percent point.

*Number of actual class meetings:	10% Point (rounded down)	100% refund if withdrawal withdrawal is on or before:
8	0.8 = 0	1st day of class
16	1.6 = 1	1st day of class
24	2.4 = 2	2nd day of class
38	3.8 = 3	3rd day of class

\*Do NOT count holidays, weekends, or any other day the class is not scheduled to meet.

### **Refund of Health Fee**

Students receive a refund upon complete withdrawal from all classes in accordance with the enrollment and tuition fee refund schedule.

### **Refund of Parking Fee**

Full refunds for parking permits will be made during the first two weeks for the fall/spring semesters and the first week of the summer session upon proof of complete withdrawal from school. The parking permits must be attached to a Request for Refund form and returned to the Business Office in order to obtain the refund. There is no refund for limited-term parking permits.

### **Refund of Associated Student Body Identification Card**

Students must request a refund from the Student Activities Office Academic Center 1, room 160 (AC1-160). A 100% refund will be given during the first week and a 50% refund during the second week of the semester. No refunds will be given after the second week of the semester.

# ACADEMIC REGULATIONS

## Units of Academic Credit

The standard quantity for measurement of college work is a unit. One unit equals one hour of classroom lecture per week plus two hours of study outside of class. Using this formula, a lecture class that meets three times a week for one hour will be worth three units. This college operates on the semester system and all references to units of academic credit in this catalog are to semester units. Quarter units from other colleges may be converted to semester units by decreasing the number of quarter units by one-third.

## Course Load

Students enrolled in 12 or more units are considered full-time students. Students with regular admission status who are not on academic probation may take as many as 18 units. Students on academic probation may be limited to fewer units.

Permission to enroll in excess of 18 units is granted only when unusually high scholarship and urgent need prevail. Counselors can approve a student request to take 19 to 21 units. Students who wish to take 22 or more units may obtain a petition for this purpose in the Counseling Department.

A student who wishes to enroll in more than 18 units must receive approval from a counselor. Students who wish to enroll in more than 21 units must receive approval from the Dean of Student Services.

Students are urged to keep in mind their study time, employment, and other personal responsibilities when planning their class load.

## Summer Units Allowed

All students are limited to 18 units in all summer sessions, with no more than 8 units allowed in a four-week session. Disqualified students and students on probation are required to have a counselor's approval before registering for any summer session(s). Disqualified students and students on probation who have obtained a counselor's approval to register for any summer session(s) must also have a counselor's approval before adding any class(es) in any summer session(s).

## Attendance

Students are expected to attend all sessions of classes in which they are enrolled. Excessive absence will jeopardize a student's satisfactory progress in a class. Students may be dropped from class if they fail to attend the first class session of the semester. There are no institutionally approved excused absences for any reason. Only the instructor may excuse an absence.

The faculty places strong emphasis on attendance in all classes. Students are expected to be in the classroom at the time the class begins. Instructors are required to take attendance at each class session and to report any student who is absent for two successive weeks of instruction. Unless there are significant extenuating circumstances, that student will be immediately dropped from class by the instructor if the absences are occurring before 50 percent of the class is expired. Lack of regular attendance after the 50 percent drop deadline may result in an unsatisfactory grade.

Once dropped, should a student believe there is just cause for reinstatement, the student may petition through the Office of Admissions and Records. Reinstatement will be granted only if the student had been doing satisfactory work immediately prior to the excessive absence and if it is the judgment of the instructor that the student has a reasonable chance of passing the course.

It is the students' responsibility to drop any classes they no longer wish to continue. They must not merely stop attending and must not rely on being dropped by others. Students must complete the drop process for themselves.

## 2019-2020 schedule

Please consult the college catalog for general information, course descriptions, and requirements for graduation, general education, certificates and transfer to other institutions. The catalog is available through the college bookstore and online. Clovis Community College is a public two-year college of the State Center Community College District. This institution does not discriminate on the basis of race, gender, sexual orientation, disability, religion or age. Upon request, the college schedule is available in large print, audio tapes, and Braille in the High Tech Center. This class schedule is subject to change without prior notice. Clovis Community College reserves the right to cancel scheduled classes due to availability, or for other reasons. The Clovis Community College Class Schedule is an official publication of the college.

### Illness

Students who have a communicable disease or any illness or injury which will cause an absence of one week or more may notify the Health Service Office. In these circumstances, the Health Service Office will transmit messages to instructors. Students may call the Health Services Office at (559) 325-5318. The Health Service Office may exclude any student from campus who is infected with any contagious or infectious disease (*Ed. Code Sec. 76020*). The student will be permitted to return when school authorities are satisfied that any contagious disease does not exist (*Education Code §49451*).

### Makeup Work

Makeup work, when allowed, is subject to the instructor's class policy as stated in the class syllabi.

### Grading System

Grades are earned in each course and are recorded on the student's permanent record. Grades represent the evaluation of student achievement of course objectives and learning outcomes. The college uses a five-letter grading system. A, B, C, and P are passing grades, satisfactory or better. D is passing but less than satisfactory grade. F is a failing grade. NP is a less than satisfactory or failing grade; it is not a passing grade. Units of credit are earned for all passing grades (A, B, C, D, and P). Grade symbols are defined and grade points are earned for units of credit as follows:

Evaluative Symbols	Grade points per unit
A	Excellent ..... 4.0
B	Good ..... 3.0
C	Satisfactory ..... 2.0
*D	Passing, less than satisfactory..... 1.0
F	Failing ..... 0.0
P	Pass ..... 0.0 (A passing grade, satisfactory or better)
NP	No Pass ..... 0.0 (Not a passing grade, less than satisfactory or failing)
X	Completion of non-credit class..... 0.0

\*The D grade is passing but is not considered satisfactory for meeting many of the college graduation/degree/major requirements or course prerequisite requirements. Also, the D grade may not satisfy transfer requirements to four-year institutions.

In addition to the evaluative symbols listed above, non-evaluative symbols may be assigned to students' permanent records in specified conditions. No units of credit are earned for courses to which these non-evaluative symbols are assigned. The non-evaluative symbols are defined as follows:

Non-evaluation Symbols	Grade points per unit
I	Incomplete..... 0.0
W	Withdrawal ..... 0.0
MW	Military Withdrawal ..... 0.0
IP	In Progress..... 0.0
RD	Report Delayed ..... 0.0
EW	Excused Withdrawal..... 0.0

### I, Incomplete

The I, Incomplete, symbol may be assigned in a course only by approval of the course instructor if all of the following conditions are met:

- The student has completed all but the final examination or other minimal amount of course work required for a final semester grade.
- The student has a serious and verifiable reason for not completing the required course work.
- The student has a passing grade in the course at the time the incomplete, I, grade is assigned.
- The student requires no additional class time for completion of the course.

In assigning an incomplete, I, grade, an instructor will specify, on the appropriate grade report form, a list of conditions necessary for the removal of the incomplete grade, the time period allotted to the student to satisfy these conditions, and the evaluative grade symbol to be assigned if the listed conditions are not satisfied within the allotted time period.

An incomplete, I, grade will not affect the academic status of a student, but it will affect the progress status. An incomplete, I, grade must be replaced by the appropriate evaluative grade symbol no later than one full semester after it has been assigned, though an earlier limit may be specified by the course instructor. Students may not re-enroll in a course for which they have received an incomplete, I, grade during the time that the incomplete, I, grade is in effect.



## W, Withdrawal

### (as per Title 5 Section 55024)

Withdrawal from a course or courses shall be authorized through the last day of the ninth week of instruction (or 50 percent of the course, whichever is less).

## EW, Excused Withdrawal

The Excused Withdrawal will not be used in calculating a student's grade point average, progress probation, or dismissal calculations. EW shall not be counted toward the permitted number of withdrawals or counted as an enrollment attempt. A student who remains in a course beyond the withdrawal deadline must be assigned an evaluative or non-evaluative symbol other than EW.

## MW, Military Withdrawal

The military withdrawal symbol is authorized at any time a student who is a member of an active or reserve United States military service receives orders compelling a withdrawal from courses. The MW symbol is assigned by the registrar upon verification of such orders. Military withdrawals shall not be counted in progress probation and dismissal procedures.

## IP, In Progress

IP is assigned only in a course which extends beyond the normal end of an academic term. It indicates that course work is in progress and an evaluative grade symbol will be assigned when that work is completed. The IP is assigned to a student's permanent record to satisfy enrollment documentation, and the appropriate evaluative grade symbol will be assigned and appear on the student's permanent record for the term in which the course is completed.

## RD, Report Delayed

The RD symbol may be assigned only by the registrar and is 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.

## P/NP, Pass/No Pass

Most college courses allow students the option of a final course grade of P, Pass, or NP, No Pass, instead of traditional letter grades (A, B, C, D, or F). Some courses are graded only on a Pass/No Pass basis. In courses graded only on the Pass/No Pass basis or when a student elects this grading option, the grade of P, Pass, will be assigned if the student has passed the course with a grade equivalent of A, B, or C, and credit will be awarded for the unit value of the course.

The grade of NP, No Pass, will be assigned if the student earns the grade equivalent of D or F, and no units of credit will be awarded for the course. Neither the P, Pass, grade nor the NP, No Pass grade is included in the calculation of the grade point average.

A maximum of 15 units of credit may be earned on a Pass/No Pass grading basis in degree-applicable or transferable courses. The Pass/No Pass option is not recommended for any course in a student's major. Not all courses graded on a Pass/No Pass basis are accepted for transfer by other institutions. Students planning to transfer to another college or university should be aware of the policy of that institution regarding Pass/No Pass grades.

Students may elect the Pass/No Pass grading option in courses in which it is available by notifying the college Office of Admissions and Records, using the appropriate form, which is available at the Office of Admissions and Records, no later than the end of the fifth week of full-term course or within the first 30 percent of a shorter-term course. Students who have elected the Pass/No Pass grading option may reverse this decision only within these same deadlines.

### **Deadlines for selecting (or reversing) the Pass/No Pass grading option:**

For a regular 18-week class	By end of the fifth week
For a 9-week class	By end of the third week
For a 8-week class	By end of the second week
For a 6-week class	By end of the second week
For a 2-week class	By the third day
For a class less than two week	At time of class registration

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

A student's grade point average (GPA) is computed by dividing the total number of grade points earned by the total number of units attempted. Units for which a grade or other symbol, of CR, NC, P, NP, W, EW, I, IP, MW, RD or X is assigned are not counted as units attempted in the calculation of a grade point average.

## Student Grade Review Petition

If a student is of the opinion that a grade received for a particular course is improper, the student may take action as follows:

1. Discuss the grade received with the instructor involved, or
2. Obtain a Student Grade Review Petition from the Counseling Office. Complete the form for processing no later than the last day of the semester (excluding summer sessions) following the semester for which the grade was received. Once the petition has been signed by the Dean of Instruction, the original will be forwarded to Admission and Records. A copy of the results will be sent to the counseling office to be placed in the student's file and the student will be notified of the results in writing by Admissions and Records.
3. If a student wishes to appeal the decision, the student may submit a written grievance. See Grievance and Complaint Policy for Students on page 48 and follow the three steps listed.

## Non-Credit Classes

Non-credit classes are classes in which the student receives neither units nor a grade; however, at the completion of the course the registrar will record on the transcript that such a course was completed.

Students will be governed by the same attendance policies and responsibilities as those students taking credit classes. (A student may not attend a class without enrolling.)

Note: Credit status is required for pursuit of Associate Degrees and Certificates.

## Final Examinations

Class examinations on a semester's work are given at the close of each semester. Failure to attend the examination may result in a grade of "F" for the examination. Arrangements for emergencies may be made with approval of the individual instructor.

## Articulation with High Schools

1. Clovis Community College has entered into course-specific articulation agreements with a number of local high schools whereby students may waive a prerequisite.
2. Upon completion of one of these articulated courses, the certificate issued by the high school for the articulated high school course may serve as the prerequisite waiver. The certificate should then be turned in to the college's Counseling Office for processing.

## Earning Course and Unit Credit

In addition to earning credits in residence by attending classes, a student may also earn credits in the following ways:

### Advanced Placement Program Credit (AP)

Clovis Community College shall award general education credit to any student who passes a College Board AP examination with a minimum score of three in the subjects listed on the following chart. The college will award elective credit for AP examinations in subjects that are not included in the general education patterns designated on the following chart.

The college will also award associate degree general education credit for passing grades on IB and CLEP external exams. Students should consult with a counselor for information on IB and CLEP general education credit if they plan to transfer to a CSU or UC.

This policy does not apply to course-to-course credit for AP/CLEP/IB exams. Course-to-course equivalency is determined by the faculties at Clovis Community College. Please meet with a counselor at Clovis Community College to discuss the course-to-course equivalency process. The AP/CLEP/IB credit will count according to how the SCCC campus you are graduating from articulates the AP/CLEP/IB exam.

A residency of 12 units of satisfactory work ("C" average) must be completed at Clovis Community College prior to allowance of credit under this program. Currently, AP credit is granted for grades "3," "4," or "5."

## CLOVIS COMMUNITY COLLEGE ADVANCED PLACEMENT CREDIT

AP Examination	AP Score	CCC Minimum Semester Units	CCC GE Area	CSU GE Breadth Area & Semester units toward GE Breadth Certification (units towards eligibility for admission)	IGETC Area & Total semester units awarded
<b>Art: Art History</b>	3,4,5	3	Humanities	Area C1 or C2 3 units	Area 3A or 3B 5.3 units
<b>Studio Art: 2D Design</b>	3,4,5	3	NA	(3 units)	5.3 units (Max for all Studio Arts Exams)
<b>Studio Art: 3D Design</b>	3,4,5	3	NA	(3 units)	5.3 units (Max for all Studio Arts Exams)
<b>Studio Art: Drawing</b>	3,4,5	3	NA	(3 units)	5.3 units (Max for all Studio Arts Exams)
<b>Biology</b>	3,4,5	4	Natural Sciences	Area B2 and B3 4 Units (6 units)	Area 5B with Lab 5.3 units
<b>Chemistry</b>	3,4,5	4	Natural Sciences	Area B1 and B3 4 units (6 units)	Area 5A with Lab 5.3 units
<b>Computer Science A</b>	3,4,5	3	NA	*Only one CS exam may be applied (3units)	1.3 units
<b>Computer Science Ab (Exam No Longer Offered)</b>	3,4,5	3	NA	*Only one CS exam may be applied (6 units)	2.7 units
<b>Computer Science Principles</b>	3,4,5	3	Language and Rationality	Area B4 3 units (6 units)	--
<b>Economics: Macroeconomics</b>	3,4,5	3	Social/Behavioral Sciences	Area D 3 units	Area 4 2.7 units
<b>Economics: Microeconomics</b>	3,4,5	3	Social/Behavioral Sciences	Area D 3 units	Area 4 2.7 units
<b>English: Language/Composition</b>	3,4,5	3	Language & Rationality	Area A2 3 units (6 units)	Area 1A 5.3 units (max credit for both English Lang/Comp & Lit/Comp)
<b>English: Literature/Composition</b>	3,4,5	3	Language & Rationality or Humanities	Area A2 and C2 6 units	Area 1A or 3B 5.3 units (max credit for both English Lang/Comp & Lit/Comp)
<b>Environmental Science</b>	3,4,5	4	Natural Science	Area B1 and B3 4 units	Area 5A with Lab 2.7 units
<b>U.S. Government &amp; Politics</b>	3,4,5	3	Social Sciences	Area D + US-2 3 units	Area 4H 2.7 units
<b>History: European</b>	3,4,5	3	Social/Behavioral Sciences or Humanities	Area C2 or D6 3 units (6 units)	Area 3B or 4F 5.3 units
<b>History: U.S.</b>	3,4,5	3	Social/Behavioral Sciences or Humanities	Area C2 or D6 + US-1 3 units (6 units)	6 Area 3B or 4F 5.3 units
<b>History: World</b>	3,4,5	3	Social/Behavioral Sciences or Humanities	Area C2 or D6 3 units (3 units)	6 Area 3B or 4F 5.3 units
<b>Human Geography</b>	3,4,5	3	Social/Behavioral Sciences	Area D 3 units	Area 4E 2.7 units
<b>Language Other Than English:</b>	3,4,5	3	Humanities	Area C2 3 units (6 units)	Area 6A & 3B 5.3 units
<b>Chinese Language/Culture</b>	3,4,5	3	Humanities	Area C2 3 units (6 units)	Area 6A & 3B 5.3 units
<b>French Language/Culture</b>	3,4,5	3	Humanities	Area C2 3 units (6 units)	Area 6A & 3B 5.3 units
<b>French Literature</b>	3,4,5	3	Humanities	No GE credit 3 units (6 units)	Area 6A & 3B 5.3 units
<b>German Language/Culture</b>	3,4,5	3	Humanities	Area C2 3 units (6 units)	6 Area 6A & 3B 5.3 units
<b>Italian Language/Culture</b>	3,4,5	3	Humanities	Area C2 3 units (6 units)	Area 6A & 3B 5.3 units
<b>Japanese Language/Culture</b>	3,4,5	3	Humanities	Area C2 3 units (6 units)	Area 6A & 3B 5.3 units
<b>Latin Literature Or Vergil</b>	3,4,5	3	Humanities	Area C2 3 units (6 units)	Area 6A & 3B 2.7 units
<b>Spanish Language/ Culture</b>	3,4,5	3	Humanities	Area C2 3 units (6 units)	Area 6A & 3B 5.3 units
<b>Spanish Language/Literature</b>	3,4,5	3	Humanities	Area C2 3 units (6 units)	Area 6A & 3B 5.3 units
<b>Math: Calculus Ab</b>	3,4,5	3	Language Rationality	Area B4 3 units	Area 2A 2.7 units
<b>Calculus Bc *Calc Bc/Ab Subscore</b>	3,4,5	3	Language Rationality	Area B4 3 units (6 units) *3 units	Area 2A 5.3 units (max credit for both exams)
<b>Music Theory</b>	3,4,5	3	Humanities	Area C1 3 units (6 units)	5.3 units
<b>Physics: Physics 1</b>	3,4,5	4	Natural Sciences	Area B1 and B3 4 units	Area 5A and 5C 5.3 units
<b>Physics 2</b>	3,4,5	4	Natural Sciences	Area B1 and B3 4 units	4 Area 5A and 5C 5.3 units
<b>Physics C (Mechanics)</b>	3,4,5	4	Natural Sciences	Area B1 and B3 4 units	Area 5A and 5C 5.3 units
<b>Physics C (Electricity/Magnetism)</b>	3,4,5	4	Natural Sciences	Area B1 and B3 4 units	Area 5A and 5C 2.7 units
<b>Psychology</b>	3,4,5	3	Social/Behavioral Sciences	Area D 3 units	Area 4I 2.7 units
<b>Statistics</b>	3,4,5	3	Language and Rationality	Area B4 3 units	Area 2A 2.7 units

## Cooperative Work Experience

Work experience and field work credit may be earned in some designated courses.

## Credit by Examination

1. To be eligible for course credit by examination, a student must be enrolled at the college and be in good standing during the semester in which he/she applies for credit by examination. Credit by examination will not be allowed if the student has received previous college credit for the course, or if the student previously enrolled and received a grade or W, or is currently enrolled in a course for which the course to be taken by exam is a prerequisite. The college reserves the right to deny credit by examination to any student.
2. The faculty of each department determine which department courses may or may not be challenged for credit by examination. See the appropriate Department Chair or Dean of Instruction to learn which courses may be taken for credit by examination and to ascertain the proper procedure for credit by examination.
3. A student planning to transfer to another college or university should be aware of the policy of that institution regarding transferability of courses. Application for credit by examination approved by the discipline faculty, the Department Chair, and the appropriate Dean of Instruction must be filed with the Admissions and Records Office no later than the end of the sixth week of the semester.
4. Units earned from credit by examination courses are not counted for financial aid or veterans benefits eligibility. No financial aid of any kind is available for credit by exam.
5. An appropriate fee for expense of this special service is charged for each course challenged and is payable by the end of the ninth week of the semester. Student must make arrangements with the instructor to take the examination prior to the fifteenth week of the semester.
6. The letter grade (A-F) earned on the examination will be awarded at the time grades are submitted to the Admissions and Records by the instructor giving the examination and will be entered on the student's transcript in a manner which clearly indicated that the course grade and credit were earned by examination. A student who fails the credit by examination may not attempt the course again by credit by examination.

## Credit for Military Service

A student who has completed basic military training verified by Form DD214, or some other official form, will be granted two units of credit for physical education and two units of elective credit. Military schools may be granted credit according to the recommendations in the guide published by the American Council on Education.

## Travel-Study Credit

Credit granted by accredited colleges and universities for travel-study programs sponsored by these institutions will be accepted by Clovis Community College. For college-level travel-study programs credit up to 12 semester units (at the maximum rate of one unit per week) may be granted upon the evaluation of official transcripts sent to Clovis Community College by the institution through which the units are earned.

## Withdrawal/Dropping

### Dropping (Withdrawal from) a Class

In registering for a class, a student assumes the responsibility of meeting class standards of attendance and progress. This obligation remains until such time as the course is officially dropped. Errors in registration should be rectified during the first week of instruction.

It is the student's responsibility to drop a class in which she/he no longer wishes to be enrolled. A student may drop a class by obtaining, completing, and filing an add/drop card from/with the Admissions and Records Office. The student may also drop a class via the district's WebAdvisor per instructions outlined in the college schedule of classes or the student may request to be dropped from class(es) by mailing a signed letter of request to the college. Students are encouraged to discuss program drops with the course instructor or an academic counselor before filing the drop. A student may drop a full-length (18-week) class through the last day of the ninth week of instruction (or 50 percent of a term\*, whichever is less). A grade of "W" will not be recorded on the student's transcript for drops occurring during the first three weeks of instruction (or 20 percent of a term\*, whichever is less). A grade of "W" will be recorded on the student's transcript for drops occurring between the fourth and ninth week of instruction (or 50 percent of a term\*, whichever is less). The "W" will not be used in calculating grade point averages, but excessive "Ws" will be used as factors in progress probation and dismissal procedures.

\*See "Fees" for policy on refund.

## Withdrawal from College

A student may withdraw from all of his/her classes, thereby withdrawing from the college, through the last day of the ninth week of instruction (or 50 percent of a term\*, whichever is less) through WebAdvisor or in person at the Admissions and Records Office. The student may also mail a signed letter of request postmarked by the 50% point to completely withdraw from his/her classes to the Admissions and Records Office (please include student identification and date of birth). Students are encouraged to discuss complete class withdrawals with an academic counselor before filing the withdrawal. Upon submission of a withdrawal form, the student will be withdrawn from all of his/her classes and an entry of "W" will be recorded for each class in which the student was enrolled. The "Ws" will not be used in calculating grade point averages, but excessive "Ws" will be used as factors in progress probation and dismissal procedures.

\*Term in this context means the duration of a class, which may differ from the length of the 18-Week semester.

## Excused Withdrawal

Withdrawal from a class or classes will be authorized through the last day of the ninth week of instruction (or 50 percent of a term\*, whichever is less). Exceptions to the 50 percent drop deadline may apply due to extenuating circumstances. Extenuating circumstances are verified cases of accidents, illnesses, death in the immediate family, jury duty, declaration of war, natural calamity, military conscription, family or job displacement, instructor error, or other circumstances beyond the control of the student which are justifiable in the judgment of the college president or his/her designee. (California Code of Regulations, Title 5, Section 55024).

Petitions for withdrawals due to extenuating circumstances are available from the Counseling Department.

- The extenuating circumstances must be fully documented and verified when appropriate. Petitions for medical withdrawals must be processed through the Counseling Department.
- The petition for withdrawal may be submitted during the current term, but no later than the end of the semester immediately following (summer excluded).
- The student must petition to withdraw from all classes she/he is enrolled in (consult with a counselor for certain exceptions that may apply).
- The student's instructor(s) will be consulted concerning the request for withdrawal.
- Approved class withdrawals due to extenuating circumstances shall be recorded as a "EW." The "EWs"

will not be used in calculating grade point averages, but excessive "Ws" will be used as a factor in progress probation and dismissal procedures.

- Exceptions may be considered on a case-by-case basis upon appeal to the college's Academic Standards Committee.

## Reports to Students

### Early Alert Report

An early alert referral may be issued for students who are not making satisfactory progress. Students who are not making satisfactory progress will be notified by email of the referral made by the instructor. For early intervention counseling and support services such as tutorial services, counseling courses, psychological services, and learning strategies are available. Students are encouraged to participate in these special programs designed to assist students to overcome barriers that interfere with their academic success.

### Final Grade Reports

Final grade reports are mailed only by request to the student's address on file with the college. Grades are available on WebAdvisor. Grades of students who fail to return school equipment or who have any unpaid accounts will be withheld until the record is cleared.

### Certifications of Enrollment

Certifications of enrollment shall be requested in writing at the Admissions and Records Office. A minimum of three working days for the preparation of certifications is required. Certifications will not be provided if the student has a "hold" on the permanent file.

The following definitions are used by Clovis Community College when certifying the enrollment of our students to outside agencies such as the Veterans Administration, lending institutions, the Social Security Administration, insurance companies, and the California Student Aid Commission:

Full-time.....	12 units or more
Three quarter-time .....	9 to 11.5 units
Half-time .....	6 to 8.5 units
Limited .....	fewer than 6 units

## Satisfactory Scholarship

Students must achieve at least a "C" average each semester and maintain a 2.0 cumulative grade point average. This means that a student must have at least twice as many grade points as units attempted. See Placement on Academic Probation.

## Course Repetition

For the purpose of course repetition and all other grade-related issues;

- Substandard grades or marks shall be defined as meaning course work for which the student has earned a "D" "F" "NP" "NC" or "W".
- Satisfactory grades shall be defined as meaning course work for which the student has earned a "C" or better, "P" or "CR" grade.
- A mark of "W" is recorded for a withdrawal from a course on or after the census point or 30% of the semester (whichever is less) and before the end of the ninth week or 50% of the class meeting dates.

For the purpose of this policy AR 4225, "extenuating circumstances" are taken to mean verified cases of accidents, illness, jury duty, military conscription, declaration of war, family or job displacement, instructor error, or other circumstances beyond the control of the student which are justifiable in the judgment of the college president or his/her designee as defined by California Code of Regulations, Title 5, 55045.

## Repetition of Courses Designated as Non-Repeatable

For the benefit of a better grade, students may repeat a course for which they have received substandard grades or marks for a total of three attempts. Students may repeat a course one time without petition to the Academic Standards Committee. Students must petition to the Academic Standards Committee to repeat a course for which two or more substandard grades or marks have been recorded.

The first two substandard grades will be excluded in computing the GPA if the student repeats the course two or more times. The student's academic record will be marked so that all grades remain legible, ensuring a true and complete academic history.

A student who has earned a substandard grade in a course at Clovis Community College and repeats the equivalent course successfully ("C" or better) at another accredited college or university, can petition through the Admissions and Records Office for an Alleviation of Substandard Grade. A student who has completed a course with a substandard grade at another accredited college or university may repeat the equivalent course in the State Center Community

College District (SCCCD). Upon completion of the Clovis Community College course, the student must request an official transcript be sent to the college or university where the substandard grade was earned.

## Petition to Repeat Courses for Alleviation of Substandard Grades

Students who wish to petition to repeat a course for which two or more substandard grades or marks have been recorded, may do so through the Admissions and Records Office.

Upon petitioning to repeat a course for a third attempt, Clovis Community College students are required to meet with a counselor before any action will be taken by the Academic Standards Committee or designee. Only the first two substandard grades will be excluded in computing the GPA.

Upon petitioning to repeat a course for a fourth or more attempt, Clovis Community College students are required to meet with a counselor and complete or update his/her student education plan (SEP) and provide statements as to;

1. Why s/he has been unable to complete the course work successfully, supporting documentation may be provided as well.
2. Why s/he will be able to be successful in college in the future. What will be different now and in the future?

If the petition is approved, the grade earned in the fourth or more attempts will be averaged with the third grade earned in computing the cumulative grade point average.

## Repetition of Courses with a Satisfactory Grade

The college catalog designates certain courses as repeatable for a specific number of times; otherwise courses in which a student has received satisfactory grades, i.e., A, B, C or CR/P, may not be repeated unless the student petitions the Academic Standards Committee through the counseling department for permission to repeat the course. The Academic Standards Committee may grant permission for the student to repeat the course if one or more of the following conditions apply:

1. There has been a significant lapse of time since the course was last taken.
2. The previous grade was due, at least in part, to the result of extenuating circumstances beyond the student's control.
3. Course repetition is required as a special academic accommodation for a qualified Disabled Students Programs and Services student.

In the case of repetition of courses successfully completed, the grade earned when the course is repeated will not be counted in a student's units or grade point average.

Repetition of courses successfully completed is permitted without petition in instances when such repetition is necessary for a student to meet a legally mandated training requirement as a condition of continued paid or volunteer employment. Such courses may be repeated any number of times, regardless of whether or not substandard work was previously recorded, and the grade received each time shall be included in the calculation of the student's grade point average. Students wishing to repeat courses under this condition must present written documentation or certification to the Counseling Office to verify that such course repetition is necessary to complete legally mandated training requirements.

### Legally Mandated Training

Course repetition is allowed when it is necessary for a student to meet a legally mandated training requirement as a condition of continued paid or volunteer employment. Clovis Community College students must petition and present documentation that the course is necessary to the Academic Standards Committee for approval.

Such courses may be repeated for credit any number of times, regardless of whether or not substandard grades were previously recorded, and the grade and units received each time shall be included for purposes of calculating the student's grade point average.

### Disabled Students

Course repetition for disabled students is subject to the course repetition limitation; however, additional repetitions may be authorized under the following circumstances:

- Continuing success of the student in other general and/or special classes is dependent on additional repetitions of specific classes,
- When specific special classes are essential in 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.

Clovis Community College students must petition the Academic Standards Committee for approval. The course and grade will be listed on the academic record, and will be coded with a symbol indicating the course is excluded in the computation of the grade point average.

### Repetition of Courses Designated as Repeatable

Repeatable courses are progressive in nature and provide an expanded education experience when repeated. These courses are identified in the college catalog indicating the maximum allowable repetitions.

If a student repeats a course designated as repeatable in which a substandard grade has been recorded, the District will exclude no more than two previous substandard grades.

### Alleviation of Substandard Grades without Repetition

Substandard work, i.e., grades of D, F or NC/NP not reflective of the student's present scholastic level of performance, may be alleviated without repetition only if the courses in which the substandard grades were earned are no longer appropriate for the student's present educational objectives or if the courses in which the substandard grades were earned or their equivalents are no longer available for repetition. Course work inappropriate for repetition may be considered for alleviation by the student making formal application to the college Academic Standards Committee through the Counseling Office.

In this case, a student will be eligible for consideration for alleviation of substandard work without repetition when the student has met each of the following conditions:

1. A period of at least two years has elapsed since the work to be alleviated was recorded.
2. A student is pursuing an established program (associate degree or certificate program within the district).
3. A student has completed twelve or more semester units with at least a 3.00 GPA or 24 or more semester units with at least a 2.50 GPA or completed a total program with at least a 2.00 GPA. In determining eligibility for this provision, the college will consider the most recently completed semester first and then look to the total GPA of previous semesters in descending chronological order.
4. The amount of work to be alleviated shall not exceed the amount of work the student has successfully completed since the substandard work was recorded.



## Probation and Dismissal

State law requires students to maintain satisfactory progress while enrolled at a community college. Students who do not make satisfactory progress by completing courses and/or achieving satisfactory grades will be affected in the following ways:

### Placement on Progress Probation

A student who has attempted and accumulated a total of 12 or more semester units shall be placed on progress probation when the number of units for which entries of "W," "I," "NP" and "NC" are recorded reaches or exceeds fifty percent (50%).

### Removal from Progress Probation

A student on progress probation because of an excess number of units for which entries of "W," "I," "NP" and "NC" are recorded shall be removed from progress probation when the percentage of units in this category drops below fifty percent (50%).

### Placement on Academic Probation

A student shall be placed on academic probation when:

1. The cumulative grade point average for a student who has attempted an accumulated total of 12 or more semester units falls below 2.0 in all units which were graded on the basis of letter grades.

### Removal from Academic Probation

A student shall be removed from academic probation when the student's cumulative grade point average becomes 2.0 ("C") or better.

### Counseling for Probationary Students

Each student on probation will be provided with the appropriate support service to help the student succeed. Depending on the level of probation, the student may be required to meet with a counselor and discuss and appropriate unit load prior to registration.

## Academic/Progress Dismissal

For purposes of this section, semesters shall be considered consecutive on the basis of the student's enrollment exclusive of summer session.

A student who has attempted at least 12 semester units shall be dismissed for one semester, exclusive of summer session, if during each of three consecutive semesters the student's performance falls under either one or any combination of the following two conditions:

1. The student's cumulative grade point average was 2.0 or less.
2. The percentage of units in which the student was enrolled for which entries of "W," "I," "NP" and "NC" were recorded reached or exceeded fifty percent (50%).

## Circumstances for Appeal or Exception of Academic/Progress Dismissal

Students who are on academic or progress dismissal for personal reasons beyond the control of the student shall, upon successful appeal, be exempted from the conditions of time imposed above.

Students on probation, either academic or progress may not be dismissed after their third semester of below satisfactory work if during that third semester and every subsequent semester they maintain a 2.0 GPA and complete more than 50% of their units until their cumulative GPA and completed units are above the probationary level.

## Readmission Following Academic/Progress Dismissal

A student who has been dismissed because of the district's academic/progress dismissal policy must petition to be readmitted.

Following the student's first dismissal, he/she will not be admitted to a district college until one semester has elapsed. If the student fails to maintain a grade point average of at least 2.0, or fails to complete more than fifty percent (50%) of the units in which the student enrolled during the first semester of attendance following his/her initial dismissal, the student shall be dismissed for a period of one year (second dismissal). If the student fails to meet with these academic and progress standards during the next semester in which he/she enrolls, the student will be dismissed again. A third dismissal requires the student to sit out of the district for 4 semesters. Students are encouraged to improve their record by attending summer session. Petitions for readmission are available in the Counseling Department.

Unit limitations and course selection will be set for readmitted students by the counseling faculty.

## Honors and Awards

### Leon S. Peters Honors Program

The Leon S. Peters Honors Program is designed to challenge students with a customized curriculum and reward their efforts through priority registration, scholarship opportunities, and field trips. Students may also qualify for transfer admission guarantees. The Honors Program offers an enhanced educational experience designed to challenge students with a specially selected curriculum. The focus of the honors curriculum is on preparation for transfer to a four-year institution. They begin a two-year sequence of classes and activities to prepare them for transfer to the best four-year institutions. For more information, call (559) 325-5230.

Students will demonstrate ability to discuss interdisciplinary topics. Students will complete all transfer paperwork, including personal essay.

*24 units from the following required to graduate "with Honors"*

ART 6H	Honors Art History 2 .....	3
COMM 1H	Honors Public Speaking .....	3
ENGL 1AH	Honors Reading and Composition .....	4
ENGL 1BH	Honors Literature .....	3
ENGL 3H	Honors Critical Reading and Writing .....	3
HIST 12H	Honors History of the US since 1865 .....	3
HONORS 2	Honors Seminar .....	1
PHIL 1CH	Honors Ethics .....	3
POLSCI 2H	Honors American Government ....	3
PSY 2H	Honors General Psychology .....	3
	Total Units	29

### Dean's List

Placement on the Dean's List requires a 3.5 semester GPA in 12 or more units. Students are individually notified by the Vice President of Instruction.

## Honors at Graduation

### Summa Cum Laude

This academic achievement is awarded to students who have earned a 4.0 cumulative grade point average.

### Magna Cum Laude

This academic achievement is awarded to students who have earned a 3.50 through 3.99 cumulative grade point average.

### Cum Laude

This academic achievement is awarded to students who have earned a 3.00 to 3.49 cumulative grade point average.

The designation of honors in the commencement program is based on the grades earned during all semesters preceding a student's graduation.

### Leon S. Peters Honors Program

Students in the Leon S. Peters Honors Program at Clovis Community College who successfully complete 24 units of honors courses and graduate with a 3.0 grade point average or better are given distinct recognition during the commencement ceremony.

### Alpha Gamma Sigma, an Honors Society

Outstanding scholars are eligible for membership in the Alpha Omega Chapter of Alpha Gamma Sigma, the honors society for California Community Colleges.

Students enrolled at Clovis Community College also have an opportunity for membership in California Community Colleges' honors society. Students meeting eligibility criteria can join the chapter of Alpha Gamma Sigma known as Sigma Gamma.

Students who earn at least a B average (3.0) for 12 units of college work (with no D or F grade) are eligible to join Alpha Gamma Sigma. Active membership in the Alpha Omega Chapter requires an application for membership, payment of dues, possession of a student body card, and earning of service points through participation in chapter activities and service to the college or community. Life members of the California Scholarship Federation may apply for associate membership during their first semester at the college.

AGS members meet to hear speakers, plan activities, make friends, raise funds for scholarships and conference attendance, take part in college activities, enjoy excursions, and serve the college. Permanent membership and recognition is granted at graduation to members active for at least two semesters who have earned a 3.25 cumulative grade point average or to members active for one semester who have earned a 3.5 or higher cumulative grade point average.

## How to Read this Schedule...

This is the abbreviation of the department and the course number, title and number of units. (If the number is followed by the letter "H", the class is for students in the Honors Program only.) The number of units determines the enrollment fees.

Special information regarding a class may be included above the course listing. Such information as prerequisites and advisory information needed before a student takes the course.

Comments - these are important additional class information.

**BUSINESS ADMINISTRATION**

**BA 10 INTRODUCTION TO BUSINESS (3 Units)**  
 A survey in business providing a multidisciplinary examination 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 a global society. Demonstrates how these influences impact the primary areas of business including: organizational structure and design leadership, human resource management, organized labor practices marketing organizational communication technology entrepreneurship legal, accounting, financial practices the stock and securities market and therefore affect a business' ability to achieve its organizational goals.

**ADVISORIES:** Eligibility for English 125, 126, and Mathematics 201. (A, CSU, UC) (C-ID BUS 110)

**Full Term Class Offering(s)**  
 BA-10-52092 (MWF) 9:00am-9:50  
 BA-10-52093 (MWF) 2:00pm-2:50  
 (Requires 3 arranged hours each week.)

**Online Class Offering(s)**  
 BA-10-52095 (ARR) WEB  
 (Students must check their Blackboard accounts by the first day of the semester. Failure to do so may result in a student being dropped from the course. Instructors may also require one or more face to face meetings. Please contact your instructor for more information. Instructor's contact information can be found at: www.reedleycollege.edu)

R.NASALROAD  
A.BALAKIAN

(M.SORENSEN)

The schedule number used to sign up for classes.

The time of day the class meets.

Where the class meets; either the campus building and room number, or the off-campus location. See the campus map for more information. "WEB" indicates the class is taught online.

The day or days of the week the class meets. "ARR" indicates that class hours are arranged by the instructor.

Indicates if a course is degree applicable, CSU or UC transferable, CSU-GE, IGETC, C-ID.

C-ID identifies courses commonly taught at California Community Colleges and California State Universities. C-ID courses on one campus will be accepted "in lieu of" comparable C-ID courses on another participating campus.

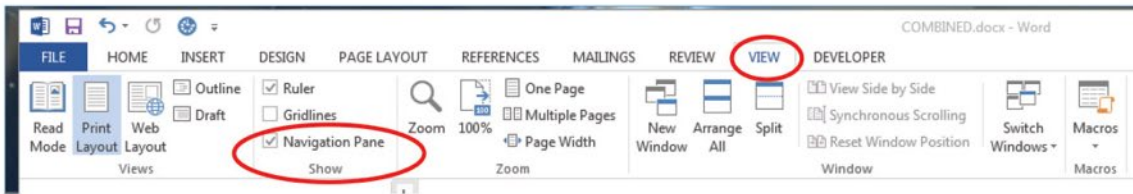
The name of the instructor for the class. The word "STAFF" indicates that the instructor has not yet been determined when the schedule was printed.

### Room Codes

- AC1 – Academic Center 1
- AC2 – Academic Center 2
- ARR – Location to be arranged
- CC-FIELD – Athletic Field
- CDC – Child Development Center
- HC – Herndon Campus
- WEB – Online class
- CNHS POOL – Clovis North HS Swimming Pool

## How to Read this Schedule...

### Open Navigation Pane



### Expand sections to jump to classes

Click on the small triangles next to each section to expand all sub sections. You can double click on a class or topic and be taken right to that section in the document.

**Navigation**

Search document

HEADINGS PAGES RESULTS

- Apply now
- Academic Calendar for Spring 2018
- Spring 2018 - Registration and Payment of Fees
- Spring 2018 Priority Registration Groups
- Congratulations!
- Admission
- 2018 Spring Session Dates
- Explanation Of Courses
- 2018 Spring Clovis Campus - All Classes
- 2018 Spring Clovis Campus - Evening Classes
- 2018 Spring Clovis Campus - Short Term
- 2018 Spring Clovis Campus - Saturday Classes
- 2018 Spring Herndon Campus - All Classes
- 2018 Herndon Campus - Evening Classes
- 2018 Spring Herndon Campus - Short Term CL
- 2018 Spring Clovis Campus - Distance Ed (OnL)
- Academic Regulations
- Student Support Services
- State Center Community College District Proc.
- Enrollment Fees
- Student Expenses
- REFUND FEE POLICY AND SCHEDULE
- Financial Assistance
- CAMPUS POLICIES
- COURSE ABBREVIATIONS
- Management and Faculty Office Directory

**CHEMISTRY**

**CHEM 1A GEN CHEMISTRY (8 Units)**  
This is the first course in a two-semester sequence in general chemistry and is intended for students majoring in science or satisfying prerequisites for professional schools. This course covers the principles and laws of inorganic chemistry with an emphasis on quantitative, mathematical problem-solving. Topics included in the course are atoms, molecules and ions formulas and equations stoichiometry gas laws electronic structure of atoms bonding atomic orbital and molecular orbital theories solutions precipitation reactions oxidation reduction reactions introduction to acids and bases thermochemistry properties of liquids solids and crystal structures solution behavior colligative properties associated laboratory experiments and volumetric and gravimetric analysis methods. **PREREQUISITES:** High school chemistry with laboratory component or Chemistry 5A or 10 or equivalent, and Mathematics 103 or equivalent. **ADVISORIES:** English 1A, (A, CSU-GE, UC, II) (C-ID: CHEM 110) (C-ID 120); CHEM 1A & CHEM 1B)

**Full Term Class Offering(s)**

CHEM 1A-80211	MW	8:00am-9:50	AC2 238	L FONG
802	Th	9:00am-11:50 <td>AC2 238 <td>B SHAMP</td> </td>	AC2 238 <td>B SHAMP</td>	B SHAMP
CHEM 1A-80210	Th	9:00am-11:50 <td>AC2 230 <td>B SHAMP</td> </td>	AC2 230 <td>B SHAMP</td>	B SHAMP
802	Th	7:00pm-9:50 <td>AC2 230 <td></td> </td>	AC2 230 <td></td>	

**CHEM 1B GEN & QUAL ANAL (8 Units)**  
This course completes the year-long general chemistry sequence (1A-1B) and covers the principles of physical and inorganic chemistry with an emphasis on quantitative, mathematical problem solving. Topics covered include acid-base theory, chemical kinetics, equilibrium (acid-base, hydrolysis, and solubility), chemical thermodynamics, electrochemistry, selected topics in nuclear chemistry, coordination chemistry, and/or chemistry of selected groups. Students will analyze inorganic compounds qualitatively and quantitatively. **PREREQUISITES:** Chemistry 1A and Mathematics 103 or equivalent. **ADVISORIES:** English 1A, (A, CSU-GE, UC, II) (C-ID 103); CHEM 1A & CHEM 1B)

**Full Term Class Offering(s)**

CHEM 1B-80214	MW	8:00am-9:50	AC2 238	S FLEMING
802	MW <td>9:00am-11:50 <td>AC2 238 <td>S FLEMING </td></td></td>	9:00am-11:50 <td>AC2 238 <td>S FLEMING </td></td>	AC2 238 <td>S FLEMING </td>	S FLEMING
CHEM 1B-80212 <th>Th</th> <th>8:00am-9:50</th> <th>AC2 230</th> <th>D DORMEY</th>	Th	8:00am-9:50	AC2 230	D DORMEY
802	Th	9:00am-12:20 <td>AC2 230 <td>D DORMEY </td></td>	AC2 230 <td>D DORMEY </td>	D DORMEY
CHEM 1B-80213 <th>Th</th> <th>8:00am-9:50</th> <th>AC2 238</th> <th>S FLEMING</th>	Th	8:00am-9:50	AC2 238	S FLEMING
802	Th	9:00am-12:20 <td>AC2 238 <td>S FLEMING </td></td>	AC2 238 <td>S FLEMING </td>	S FLEMING
CHEM 1B-80215 <th>Th</th> <th>1:00pm-2:15</th> <th>AC2 238</th> <th>J ANDERSON</th>	Th	1:00pm-2:15	AC2 238	J ANDERSON
802	Th	2:30pm-5:20 <td>AC2 238 <td>J ANDERSON </td></td>	AC2 238 <td>J ANDERSON </td>	J ANDERSON
CHEM 1B-80216 <th>MW</th> <th>1:30pm-2:20</th> <th>AC2 238</th> <th>J ANDERSON</th>	MW	1:30pm-2:20	AC2 238	J ANDERSON
802	MW <td>2:30pm-5:20 <td>AC2 238 <td></td> </td></td>	2:30pm-5:20 <td>AC2 238 <td></td> </td>	AC2 238 <td></td>	

**CHEM 32A INTRO GEN CHEM (4 Units)**  
This is a survey course in the principles of inorganic chemistry covering the composition of matter, physical and chemical changes, atomic and molecular structure, inorganic nomenclature, chemical formulas and reaction calculations, gas laws, bonding, solutions, molaric equivalents, acid-base theories, pH, oxidation-reduction reactions, thermodynamics, nuclear chemistry and equilibrium. The course emphasizes problem solving and chemical calculations. Both qualitative and quantitative theory and techniques will be covered. It is intended for applied science

### Search Document

You can search the document in the Navigation section and be taking right to that topic

**Navigation**

Search document

HEADINGS PAGES RESULTS

90 results

- ENGR 8 STATICS (3 Units)
- ENGR 10 INTRO TO ENGR (2 Units)
- ENGR 40 SCI & ENGR PROG (4 Units)
- ENGLISH
- ENGL 1A READ & COMP (4 Units)
- ENGL 1B INTRO LITERATURE (3 Units)
- ENGL 3 CRT RDG & WRIT (3 Units)
- ENGL 3H HON CRT RDG/WRIT (3 Units)
- ENGL 35A CREAT WRIT/POETRY (3 Units)
- ENGL 89 LATINORCHICNO LIT (3 Units)
- ENGL 72 WRITG CNTR THEORY (3 Units)
- ENGL 72A ADV WRITG CENTER (3 Units)
- ENGL 125 COLL WRIT SKILLS (4 Units)
- ENGL 126 COLL RDNG SKILLS (4 Units)
- ENGL 205 *See Sit for Success in Engl (2*
- ENGL 252 WRITING IMPROVE (4 Units)
- ENGL 262 READING IMPROVE (4 Units)

**ENGL 1A READ & COMP (4 Units)**  
Students will read, analyze, and compose college-level prose, with emphasis on the expository study writing as a process explore different composing structures and strategies edit and revise their own writing and conduct research (gather, organize, evaluate, integrate, and document information), culminating in a term research paper and annotated bibliography. Students will write a minimum of 6,000 words in formal academic language. **PREREQUISITE SITES:** English 125 and 126 or English 150 and English 126 or placement through college assessment process. (A, CSU-GE, UC, II) (C-ID ENGL 100)

**Full Term Class Offering(s)**

ENGL 1A-****	MW	8:00am-9:50	AC2 184	STAFF
(This class requires concurrent enrollment with an ENGL-205 class. Please contact Ryen Hirata at [559]325-5321 for more information and to register for the classes.)				
ENGL 1A-****	MW	10:00am-11:50	AC2 184	STAFF
(This class requires concurrent enrollment with an ENGL-205 class. Please contact Ryen Hirata at [559]325-5321 for more information and to register for the classes.)				
ENGL 1A-****	MW	12:00pm-1:50	AC2 184	STAFF
(This class requires concurrent enrollment with an ENGL-205 class. Please contact Ryen Hirata at [559]325-5321 for more information and to register for the classes.)				
ENGL 1A-80152	Th	8:00am-9:50	AC2 182	STAFF
ENGL 1A-80158	Th	8:00am-9:50	AC2 183	STAFF
ENGL 1A-80164	Th	8:00am-9:50	AC2 184	STAFF
ENGL 1A-80153	Th	10:00am-11:50	AC2 182	STAFF
ENGL 1A-80169	Th	10:00am-11:50	AC2 183	STAFF
ENGL 1A-80165	Th	10:00am-11:50	AC2 184	STAFF
ENGL 1A-80154	Th	12:00pm-1:50	AC2 182	STAFF
ENGL 1A-80160	Th	12:00pm-1:50	AC2 183	STAFF
ENGL 1A-80165	Th	12:00pm-1:50	AC2 184	STAFF
ENGL 1A-80169	MW	2:00pm-3:50	AC2 184	STAFF

## Log into your WebAdvisor and SCCC

### Email

#### WebAdvisor:

WebAdvisor is the system where you will complete your online orientation, add and drop classes, and see your financial and academic profile. Your WebAdvisor login is your seven digit student ID number. Your password will be your first name initial (upper case) + last name initial (lowercase) + date of birth in mmddyy format.

#### Example:

John Smith with date of birth = 01/01/1995 and student ID# 0123456

- WebAdvisor Username = 0123456
- Password for both WebAdvisor and Student Email = Js010195

#### SCCC Student Email:

Your SCCC student email account is where you will receive enrollment, financial aid, fee payment due dates, and other college/ student updates and information. To log into your email go to mail.office365.com and sign-in using your SCCC ID number + my.sccc.edu as your username. Your password will be your first name initial (upper case) + last name initial (lowercase) + date of birth in mmddyy format.

#### Example:

John Smith with date of Birth = 01/01/1995 and student ID# 0123456

- Student Email Username = 0123456@my.sccc.edu
- Password for both WebAdvisor and Student Email = Js010195

If you need help logging in to WebAdvisor or Student Email please call (559) 499-6072 or go to www.sccc.edu/studentlogin.

## How to Register for Courses using WebAdvisor

To register for courses complete the following steps.

**Step 1:** Log into WebAdvisor

**Step 2:** Click the Students tab

**Step 3:** Under the Registration section, click Search/Register for Sections

**Step 4:** Enter the following information:

**Example:** English 1A

- Term: Fall 20\_
- Subject: Engl
- Course Number: 1A
- Location: Clovis, Herndon, Online

Once information is entered, CLICK SUBMIT.

**Step 5:** Check mark the course you would like to enroll into. **CLICK SUBMIT.**

**Step 6:** Choose the Action from the drop down menu (register or waitlist). **CLICK SUBMIT.**

## Prerequisite Challenge Procedures

A prerequisite challenge requires written documentation, explanation of alternative course work, background or abilities which adequately prepare the student for the course. A Prerequisite/Corequisite Challenge Form may be obtained from the Counseling Office, and should be returned to the Counseling Office. Reasons for filing a prerequisite/corequisite challenge may include one or more of the following:

- 1) A prerequisite/corequisite is not available.
- 2) The prerequisite/corequisite was met at another institution.
- 3) The student has the documented knowledge or ability to succeed in the course without meeting the prerequisite.
- 4) The student believes the prerequisite/corequisite is discriminatory or being applied in a discriminatory manner
- 5) The prerequisite is not necessary for success in the course.

## Registration Holds

All holds must be cleared prior to registration.

CODE	WHERE TO CLEAR HOLD
AR	Admissions & Records Office
BCBDC	Business Office/Collections
BCBKS	Business Office /Bookstore
CENR	Business Office/Enrollments
BCFAD	Business Office/Financial Aid
BCHLD	Business Office/Misc.
BCLAB	Business Office/Child Lab
BCLON	Business Office/Loan
BCNSF	Business Office/NSF CK
BCPOL	Business Office/Campus Police\
BCLIB	Business Office/Library
DEAN	Dean's Office
DSPS	Disabled Students Programs & Services
EOPS	EOPS/OASIS
CALW	CalWORKs Office
INTL	International Students Office
O	Counseling

## Class “WAIT LIST” Requirements

When unable to find an open section of a course, students may have the option of being placed on a “WAIT LIST” for a specific section of the course. Please note that the following rules apply:

1. Students may add their name to any available “WAIT LIST” up to the last day of registration prior to the beginning of the class.
2. Students will be added to a “WAIT LIST” on a first come, first-serve basis.
3. Students cannot be placed on a “WAIT LIST” prior to their registration appointment date.
4. Students on a “WAIT LIST” will have first priority for any seats in a “full” class that may subsequently become available during the first 20% of the course PROVIDED that they attend each and every class meeting (for 18 week semester courses, this is the first 3 weeks of class).
5. A “WAIT LIST” will be available only for current class sections that are “full” (that is, the class has reached its “maximum class size”). No “WAIT LISTS” will be available for “canceled” class sections or class sections that are not yet “full.” Not all classes have wait lists.
6. Students cannot be placed on a “WAIT LIST” for a section of a course when already enrolled in another section of that same course.
7. Students cannot be on more than one “WAIT LIST” for the same course.
8. The Admissions and Records Office will regularly monitor all classes with existing “WAIT LISTS” up to the start of the semester. When an open seat becomes available, the top student on the wait list will receive “PERMISSION TO REGISTER” and be notified by email.
9. On the first day of class, instructors will determine the number of openings available in the class, and then offer spaces to students who are on the “WAIT LIST” (providing they are present in the class) in the order in which their names appear on the list. The student is responsible for officially adding the class within published registration dates.
10. After the “WAIT LIST” for the class is exhausted, additional openings, if any, will be filled by the instructor in accordance with existing college and district policy.
11. Any and all other registration rules (conflicts, overload, administrative or student holds) may prevent the student from enrolling in a class.
12. Visit [www.scccd.edu/waitlist](http://www.scccd.edu/waitlist) for details.

## Continuing Student Registration

Continuing students may register for classes after completing the following steps:

- See the registration information on page 7 of this schedule.
- Take the registration form and meet with a counselor or advisor for program planning assistance.
- Register on WebAdvisor [www.cloviscollege.edu](http://www.cloviscollege.edu)

[www.cloviscollege.edu](http://www.cloviscollege.edu)>Academics>Register for Classes or at a designated location. The registration form must be signed by a counselor if a student is on academic/probation.

## Ways to Register

Students may register online using WebAdvisor [www.cloviscollege.edu](http://www.cloviscollege.edu)>Academics>Register for Classes or at Clovis Community College.

## Late Registration

The last day to register for full-term Fall 2018 classes in person or online through WebAdvisor is Friday, August 10, 2018. The last day to register for full-term Spring 2019 classes in person or online through WebAdvisor is January 11, 2019.

During the semester, the Admissions and Records Office is open Monday through Thursday 8:00 a.m. to 6:00 p.m., and Friday 8:00 a.m. to 5:00 p.m. On holidays and during breaks when no classes are in session, hours are 8:00 a.m. to 5:00 p.m.

## Proxy Registration

The federal Family Education Rights and Privacy Act (FERPA) makes it illegal for the college to release a student’s confidential educational records, including registration information, to anyone without the written permission of the student. Therefore, if you are unable to register for yourself, you may either register at a later date or have someone else substitute for you provided the following procedure is observed.

YOUR PROXY must have a written statement signed by you authorizing him/her to register on your behalf. If you prepare your own statement, it must contain certain specific information. Contact the Admissions and Records Office for details at (559) 325-5200.

YOUR PROXY should also have your registration permit, a list of classes you wish to take (including several alternatives) and sufficient funds to pay the necessary fees listed under Enrollment Fees on pages 130.

## Accuracy of Student’s Schedule

Clovis Community College does not keep your registration forms on file. Once your transaction has been processed and completed, all of your documents will be returned to you.

It is your responsibility to keep all registration materials in a safe place and to bring them with you if you have a question or concern about your schedule. We will be unable to help you without your documents.

Please be sure to:

1. Double-check all the information on your class schedule before you leave the registration area.
2. Make sure that your materials have been date-stamped and initialed by an Admissions and Records staff member.
3. Prepare a personal file in which to keep all of your processed forms.
4. Should you discover an error after you leave our office, bring your date-stamped documents with you to the registration desk for review and assistance.

### Zero Cost Textbook Program



In September of 2017, the governor signed Senate Bill 1359, which requires all community colleges and CSUs to highlight course sections in the schedule of classes that have no textbook costs for students. Zero-Textbook-Cost (ZTC) courses are identified by this logo.

### Online Registration Available Using WebAdvisor

WebAdvisor is available for registration. Students in good standing may access the WebAdvisor registration system at [www.claviscollege.edu](http://www.claviscollege.edu) by clicking on the WebAdvisor link. Users will be asked to enter their WebAdvisor login (student id number) and password (same password used for Office 365 & Canvas) Online assistance is available to help you if you do not remember your password or navigate WebAdvisor by calling (559) 499-6070.

Note: Students who use WebAdvisor to register for or add/drop classes will not be mailed a student schedule and statement of fees printout. Please be sure to print your schedule and fees statement and refer to the payment due chart to determine your payment due date before logging off WebAdvisor.

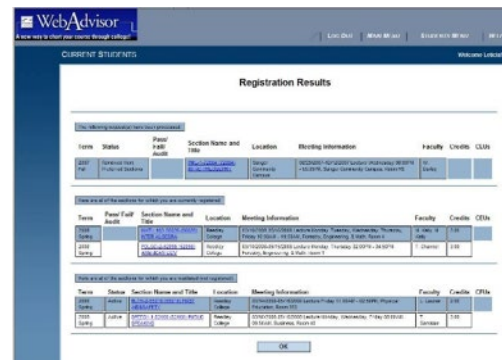


### Register Online

NEW AND IMPROVED selections to make your registration faster and easier.

- Go to either Express Registration or Search and Register for classes
- A shopping cart of Preferred Sections will be created for you
- You can register or add your name on a wait list
- You must take an action and submit your request(s)
- You may also drop a class from your Preferred Sections or your Registered Sections
- All registration rules will apply to wait listed courses
- You can only be placed on one wait list per class
- If you have a time conflict you cannot be registered for a class

Time conflicts between registered classes and wait listed classes will result in a student being dropped from the wait listed class.



### New Features to help you with managing Wait lists

- View your wait listed classes anytime with Manage My Wait list
- Drop wait listed classes anytime by selecting REMOVE from the Action Box
- You may also drop a class from your registered sections

Important Notice: You must wait list all corequisites classes to be considered for registration.



## Academic/Progress Probation Assistance

### Counseling Hours:

Monday - Thursday 8:00 a.m. - 6:00 p.m. and Friday 8:00 a.m. - 5:00 p.m., occasional Saturdays.

### COUNSELING IS REQUIRED IF YOU ARE ON ACADEMIC/PROGRESS PROBATION.

#### CODE DESCRIPTION OF CODE

<b>P1</b>	Progress Probation Level 1 — you must complete the online probation workshop.
<b>P2</b>	Progress Probation Level 2 — you must schedule an appointment to meet with a counselor.
<b>PD</b>	Progress Dismissal — You may be required to sit out of all SCCCDC colleges and center and/or petition for readmission. There is also an appeal process. Please contact the Counseling Office for more information.
<b>A1</b>	Academic Probation Level 1 — you must complete the online probation workshop.
<b>A2</b>	Academic Probation Level 2 — you must schedule an appointment to meet with a counselor.
<b>AD</b>	Academic Dismissal — You may be required to sit out of all SCCCDC colleges and center and/or petition for readmission. There is also an appeal process. Please contact the Counseling Office for more information.
<b>P1A1</b>	Progress Probation Level 1 & Academic Probation Level 1 — you must complete the online probation workshop.
<b>P1A2</b>	Progress Probation Level 1 & Academic Probation Level 2 — you must schedule an appointment to meet with a counselor.
<b>P1AD</b>	Progress Probation Level 1 & Academic Dismissal — You may be required to sit out of all SCCCDC colleges and center and/or petition for readmission. There is also an appeal process. Please contact the Counseling Office for more information.
<b>P2A1</b>	Progress Probation Level 2 & Academic Probation Level 1 — you must schedule an appointment to meet with a counselor.
<b>P2A2</b>	Progress Probation Level 2 & Academic Probation Level 2 — you must schedule an appointment to meet with a counselor.
<b>P2AD</b>	Progress Probation Level 2 & Academic Dismissal — You may be required to sit out of all SCCCDC colleges and center and/or petition for readmission. There is also an appeal process. Please contact the Counseling Office for more information.
<b>PDA1</b>	Progress Dismissal & Academic Probation Level 1 — You may be required to sit out of all SCCCDC colleges and center and/or petition for readmission. There is also an appeal process. Please contact the Counseling Office for more information.
<b>PDA2</b>	Progress Dismissal & Academic Probation Level 2 — You may be required to sit out of all SCCCDC colleges and center and/or petition for readmission. There is also an appeal process. Please contact the Counseling Office for more information.
<b>PDAD</b>	Progress Dismissal & Academic Dismissal — You may be required to sit out of all SCCCDC colleges and center and/or petition for readmission. There is also an appeal process. Please contact the Counseling Office for more information.

## Student Expenses

### Based on Fall 2018/Spring 2019 rates

The following budgets have been put together to help you plan your expenses. Fees change each academic year. If you have questions, please call the Admissions and Records Office at (559) 325-5200.

### Summer 2019

#### Academic Expenses - California Resident

\$46 per unit (per semester)

Enrollment Fee (example: \$46 x 6 units) .....	\$276.00
Health Fee .....	\$17.00
Books & Supplies .....	\$500.00
Instructional Material Fees .....	\$50.00
Parking Permit .....	\$10.00
ASG Card (full-year) .....	\$10.00
Total .....	\$863.00

#### Academic Expenses - Non-Resident Student

\$280 per unit (\$234 tuition plus \$46 enrollment fee)  
(per semester)

Tuition (\$234 x 6 units).....	\$1,404.00
Enrollment Fee (\$46 x 6 units) .....	\$276.00
Health Fee .....	\$20.00
Books & Supplies .....	\$500.00
Instructional Material Fees .....	\$50.00
Parking Permit .....	\$10.00
ASG Card (full-year).....	\$10.00
Total .....	\$2,267.00

#### Academic Expenses - International Student

\$280 per unit (\$234 tuition plus \$46 enrollment fee)  
(per semester)

Tuition (\$234 x 6 units).....	\$1,404.00
Enrollment Fee (\$46 x 6 units) .....	\$276.00
Health Fee .....	\$02.00
Health Insurance**.....	\$375.00
Books & Supplies .....	\$500.00
Instructional Material Fees .....	\$50.00
Parking Permit .....	\$10.00
ASG Card (full-year).....	\$10.00
Total .....	\$2,642.00

\*All fees are subject to change. Changes may result from California legislation or SCCC Board of Trustee actions. Actual amounts for instructional material fees, health fees, and books and supplies will vary depending on the student's enrollment.

\*\*International students must have health insurance to attend college. Students must provide proof of health insurance to the Admissions and Records Office or purchase a policy through Student Insurance at [www.studentinsurance.com](http://www.studentinsurance.com).

### Fall 2019

#### Academic Expenses - California Resident

\$46 per unit (per semester)

Enrollment Fee (example: \$46 x 12 units) .....	\$552.00
Health Fee .....	\$20.00
Student Representation.....	\$1.00
Books & Supplies .....	\$500.00
Instructional Material Fees .....	\$50.00
Parking Permit .....	\$30.00
ASG Card (full-year) .....	\$10.00
Total .....	\$1,163.00

#### Academic Expenses - Non-Resident Student

\$304 per unit (\$258 tuition plus \$46 enrollment fee)  
(per semester)

Tuition (\$258 x 12 units).....	\$3,096.00
Enrollment Fee (\$46 x 12 units) .....	\$552.00
Health Fee .....	\$20.00
Student Representation.....	\$1.00
Books & Supplies .....	\$500.00
Instructional Material Fees .....	\$50.00
Parking Permit .....	\$30.00
ASG Card (full-year).....	\$10.00
Total .....	\$4,259.00

#### Academic Expenses - International Student

\$304 per unit (\$258 tuition plus \$46 enrollment fee)  
(per semester)

Tuition (\$258 x 12 units).....	\$3,096.00
Enrollment Fee (\$46 x 12 units) .....	\$552.00
Health Fee .....	\$20.00
Student Representation.....	\$1.00
Health Insurance**.....	\$583.00
Books & Supplies .....	\$500.00
Instructional Material Fees .....	\$50.00
Parking Permit .....	\$30.00
ASG Card (full-year).....	\$10.00
Total .....	\$4,842.00

\*All fees are subject to change. Changes may result from California legislation or SCCC Board of Trustee actions. Actual amounts for instructional material fees, health fees, and books and supplies will vary depending on the student's enrollment.

\*\*International students must have health insurance to attend college. Students must provide proof of health insurance to the Admissions and Records Office or purchase a policy through Student Insurance at [www.studentinsurance.com](http://www.studentinsurance.com).

## Spring 2020

### Academic Expenses - California Resident

\$46 per unit (per semester)

Enrollment Fee (example: \$46 x 12 units) .....	\$552.00
Health Fee .....	\$20.00
Student Representation.....	\$1.00
Books & Supplies .....	\$500.00
Instructional Material Fees .....	\$50.00
Parking Permit .....	\$30.00
ASG Card (full-year) .....	\$10.00
Total .....	\$1,163.00

### Academic Expenses - Non-Resident Student

\$304 per unit (\$258 tuition plus \$46 enrollment fee)  
(per semester)

Tuition (\$258 x 12 units).....	\$3,096.00
Enrollment Fee (\$46 x 12 units) .....	\$552.00
Health Fee .....	\$20.00
Student Representation.....	\$1.00
Books & Supplies .....	\$500.00
Instructional Material Fees .....	\$50.00
Parking Permit .....	\$30.00
ASG Card (full-year).....	\$10.00
Total .....	\$4,259.00

### Academic Expenses - International Student

\$304 per unit (\$258 tuition plus \$46 enrollment fee)  
(per semester)

Tuition (\$258 x 12 units).....	\$3,096.00
Enrollment Fee (\$46 x 12 units) .....	\$552.00
Health Fee .....	\$20.00
Student Representation.....	\$1.00
Health Insurance**.....	\$812.00
Books & Supplies .....	\$500.00
Instructional Material Fees .....	\$50.00
Parking Permit .....	\$30.00
ASG Card (full-year).....	\$10.00
Total .....	\$5,071.00

\*All fees are subject to change. Changes may result from California legislation or SCCC Board of Trustee actions. Actual amounts for instructional material fees, health fees, and books and supplies will vary depending on the student's enrollment.

\*\*International students must have health insurance to attend college. Students must provide proof of health insurance to the Admissions and Records Office or purchase a policy through Student Insurance at [www.studentinsurance.com](http://www.studentinsurance.com).

## Enrollment Fee Waivers

To be considered for a fee waiver, you must be a California resident as determined by the Admissions and Records Office. There are two ways to apply for an enrollment fee waiver:

1. Fill out the Free Application for Federal Student Aid (FAFSA) online at [www.fafsa.gov](http://www.fafsa.gov) and list Clovis Community College's federal school code (042534) on your application. Students who list Clovis Community College's school code on their FAFSA will automatically be reviewed for fee waiver eligibility. We encourage students to fill out the FAFSA because the application will be processed for federal and state funds with one application.
2. If you have not completed a FAFSA, you may submit a California College Promise Grant (CCPG) application. We recommend that you complete the FAFSA because the fee waiver application does not help cover books, supplies, or other college expenses.

California Dream Act: If you are eligible for in-state tuition under AB540, you may qualify for the BOG and state grants if you meet certain qualifications. For more information and to apply, log on to [www.caldreamact.org](http://www.caldreamact.org).

## State Financial Assistance

The California Student Aid Commission (CSAC) offers qualified California residents competitive and entitlement grants through the Cal Grant program. To apply for a Cal Grant, students must fill out the FAFSA and a Cal Grant GPA Verification Form by the deadline dates. The deadline dates for the Cal Grant programs ONLY are March 2 for entitlement grants and September 2 for competitive grants. Clovis Community College submits GPAs electronically for current students who meet certain eligibility criteria. For additional Cal Grant information, go to [www.calgrants.org](http://www.calgrants.org). If you are a current student and want to know if your GPA will be electronically certified by Clovis Community College, contact the Financial Aid Office.

For more information on any of these topics, contact the Financial Aid Office.

• Clovis Community College • [www.cloviscollege.edu](http://www.cloviscollege.edu)  
10309 N. Willow Avenue, Fresno, CA 93730 (559) 325-5239

## Scholarships

Clovis Community College offers many scholarship awards throughout the year based on academic excellence, leadership, community service, and program of study. Scholarship funds are donated by the State Center Community College Foundation, Clovis Community College alumni, private companies, and other organizations. Awards range from \$100 to \$1,000. The Clovis Community College Scholarship Application, which is one application for all scholarships, is available from October 2019 to March 2nd, 2020 for the 2019-2020 school year. You may apply online at [www.cloviscollege.edu](http://www.cloviscollege.edu).

### Important Information and Reminders

- Keep your address and phone number updated through WebAdvisor.
- Fee waivers do not cover the \$20 health fee.
- Apply for a fee waiver BEFORE you register for classes. If you don't qualify for a fee waiver, you'll know exactly how long you have to pay your enrollment and other fees.
- When applying for financial aid and/or a fee waiver, read all instructions carefully.
- Check for submission deadline dates and class drop-dates.
- Submit all requested documents and forms to the Financial Aid Office as soon as possible.
- If you qualify for a fee waiver after you paid your enrollment fees, you can apply for a refund at the Business Office or online.
- If you are awarded a fee waiver, it will cover all classes within the State Center Community College District - Clovis Community College, Fresno City College, Reedley College, Madera Community College Center, and Oakhurst Community College Center.
- You cannot receive federal or state monies at more than one school, BUT you may receive a Board of Governors Fee Waiver at more than one community college. Make sure you list all schools you plan to attend on your FAFSA so you will be reviewed for fee waiver eligibility.

# CERTIFICATE & DEGREE REQUIREMENTS

## Catalog Rights

For the purpose of this section, continuous enrollment is defined as enrollment in at least one primary semester (fall or spring). Any of the following academic records constitutes as enrollment during a semester: A, B, C, D, F, P, NP, CR, Y, N, I, RD, EW, and W.

A student may elect to meet the requirements for an academic program from one of the following:

1. The catalog in effect at the time of student first applied or reapplied and began continuous enrollment;
2. In the event of a major/program change, the student may assume new catalog rights under the following conditions:
  - The change of major/program must be approved by counselor, and
  - The major selected must be within a catalog during the student's continuous enrollment;
3. The catalog in effect at the time of the student's program completion.

## Course Classification

Pursuant to revisions to the California Administrative Code, Title 5, Section 55002 and 55062, all courses listed within the college catalog fall into one of the following classifications:

- Credit, Degree Applicable
- Credit, Nondegree Applicable
- Noncredit

## Certificates

Certificates for a course or a series of courses fewer than 18 units may be offered by disciplines/departments/divisions. A certificate may be awarded with a minimum of "C" average for finishing a course or courses leading to specific competencies.

## Certificate of Achievement

A certificate of achievement shall be awarded to students who successfully complete a specified curriculum with a minimum "C" grade in each required course. The specific courses required for the certificate of achievement are identified in each degree program where such certificates are awarded.

In order to receive the certificate of achievement, the student shall apply for the certificate on WebAdvisor during the final semester of coursework.

2019-2020 Catalog

## Graduation Requirements

### Associate Degrees

The awarding of an Associate Degree represents more than an accumulation of units. It symbolizes a pattern of learning experiences designed to develop specific capabilities and insights. Among these are an understanding of the major disciplines, required proficiencies in math, reading, and English, and sufficient depth in some field of knowledge.

It is the responsibility of the student to consult a counselor regarding the proper sequence in which courses should be taken to satisfy graduation requirements.

Students earning an Associate Degree usually have one of two purposes. Either the program of study prepares the student for transfer to a four-year college or university, or the program of study is intended to prepare the student for immediate employment.

Most majors lead to an Associate in Arts degree. Minimum requirements for the Associate in Science degree are the same as for the Associate in Arts degree with the exception of the major requirements. The Associate in Science degree will be awarded for the completion of a required pattern of courses in any occupational curriculum or in the biological sciences, the physical sciences, or engineering.

The Board of Trustees of this District shall award the Associate in Arts Degree, the Associate in Science Degree, Associate in Arts or Science Degree for Transfer, and the Certificate of Achievement to applicants upon the satisfactory completion of the requirements as listed in this catalog section. It is the student's responsibility to be aware of degree and certificate requirements and of the student's standing in regard to those requirements. Students are urged to consult a counselor regarding any questions about degree or certificate requirements for the catalog year the student selects. All references to credit units which appear in this section are semester units.

Exceptions to any of the regulations which follow will be judged by the "Rule of Equity" which requires that any waiver of standards be determined on the merit of the individual case.

The college reserves the right to determine what courses may be considered as equivalents for the stated degree, certificate, and general education requirements listed in this catalog. Please see the Counseling Department for pertinent information.

## General Education for the AA/AS Degree

General Education course work is intended to complement a concentrated study in a single discipline or "major." It should provide a broad base of educational experience about aspects of the world which a major area of study may not include. The student who completes the general education requirements at Clovis Community College will have made noteworthy progress towards becoming truly educated and prepared for a lifetime of learning.

Following are the major areas of General Education:

### Natural Sciences

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

### Social and Behavioral Sciences

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

### Humanities

Courses in the humanities examine the philosophical, literary, aesthetic, and cultural expressions of humans. These courses develop an awareness of the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them through artistic and cultural creation. They develop aesthetic understanding and, through study of traditional and changing cultural perspectives, foster better informed value judgments. These courses also offer students the opportunity to explore their creativity and imagination and to move consciously towards an awareness of their capability for artistic self-expression. This category will include art history, literature and film, philosophy and morality, comparative religion, the fine and performing arts, and language. When we ask who we are, and what our lives ought to mean, we are using the humanities.

### Language and Rationality

Courses in language and rationality are those which develop for the student principles and applications of language that lead to logical thought, clear and precise expression, and critical evaluation of communication in any endeavor.

1. English Composition: Courses fulfilling this requirement include both expository and argumentative writing.
2. Communication and Analytical Thinking: Courses fulfilling these requirements include oral communication, mathematics, logic, statistics, computer language and programming, and related disciplines.

### Multiple Degrees

A student may earn more than one AA and/or AS degree from Clovis Community College. The same AA and/or AS degree cannot be awarded by more than one college in the district. Please see a counselor for more information.

### Requirements for AA and AS Degrees

1. Sixty (60) units with at least 2.0 ("C") grade point average in all courses applicable to the associate degree.
2. Residence requirements:
  - (a) A minimum of twelve (12) degree-applicable units satisfactorily completed in residence at district colleges or centers, with attendance during the last semester prior to graduation, or
  - (b) A total of forty-five (45) degree-applicable units satisfactorily completed in residence at district colleges or centers if not in attendance during the last semester prior to graduation.

3. At least eighteen (18) units in a single discipline or related disciplines (major) or in an approved area of emphasis. Each course applied to this major requirement must be completed with a grade of "C," or better, or a "P."
4. Competence in writing, demonstrated by completion of English 1A or English 1AH with a grade of 2.0, "C," or better.
5. Competence in reading, demonstrated by
  - (a) Meeting the reading requirement for English 1A, 1AH or
  - (b) eligibility by an appropriate placement test score.

\*Students who complete English 125 and English 126 may apply no more than 4 units earned in these courses to the associate degree.
6. Competence in oral communication, demonstrated by the completion of Communication 1, 1H, 2, 4, 8, or 25 with a grade of 2.0, "C," or better. (The course used to fulfill this requirement may also be used to satisfy area D, Part 2, of the general education requirement in language and rationality: communication/analytical thinking.)
7. Competence in mathematics, demonstrated by completion with a grade of 2.0, "C," or better one of the following classes: Mathematics 103 or any more advanced mathematics class, Business Administration 39, Computer Science 26, or Statistics 7.
8. Familiarity with computer concepts and computer use, demonstrated by completing with a grade of "C"(2.0) or better one of the following:
  - (a) Art 30A, 30B, 37A, 37B, 41, 42, 44; Computer Science 40; Engineering 2, 40; Information Systems 11, 12, 13, 15; Music 8 or
9. Awareness of lifetime physical and mental wellness, demonstrated by completion of Child Development 5, 38, 39; Counseling-53; Foods and Nutrition 35; Health 1; Interdisciplinary Studies - 50 Psychology 2, 2H, 25, 38; or Sociology 32.
10. Two physical education and/or dance classes. Exceptions will be considered for those students who are veterans with at least one year of active military service, P.O.S.T. program candidates, Basic Fire Academy graduates, or who submit a physician's statement certifying that they are not physically able to participate in physical education classes. Physical education courses that will meet this requirement are Dance 9, 10, 12A, 14, 15, 28; Physical Education 2, 6, 7, 8, 12, 12B, 14, 15, 15B, 16, 18, 19, 19B, 29, 32B, 32C, 36B, 36C, 43B, 43C, 45, 49, 49A, 71. Please see a counselor regarding P.E. credit based on DD-214 (official SMART transcript must be on file.)
11. Completion of one of the following courses on the principles of national, state, and local government, including the study of American institutions and ideals: Political Science 2, 2H, or 110. (The course used to fulfill this requirement may also be used to satisfy area B, Part 1, below, of the general education requirement in social and behavioral sciences.)
12. A minimum of eighteen (18) units in general education, including at least three (3) units in each of areas (A), (B), and (C), and 4 units area (D.1) and 3 units in area (D.2).
  - A. Natural Sciences
  - B. Social and Behavioral Sciences
    - 1) Political Science 2, 2H or 110  
(The course used to fulfill this requirement may also be used to satisfy degree requirement 11, American institutions, above.)
    - 2) Other Social and Behavioral Sciences
  - C. Humanities
  - D. Language and Rationality:
    - 1) Composition  
(The course used to fulfill this general education area requirement may also be used to satisfy degree requirement 4, competence in writing.)
    - 2) Communication/Analytical Thinking  
(The course used to fulfill this general education area requirement may also be used to satisfy degree requirement 6, competence in oral communication.)



## General Education for the Associate Degree:

The Clovis Community College general education pattern should only be followed by students pursuing the Clovis Community College Associate in Arts or Associate in Science degree and do not intend to transfer. Students who are pursuing an Associate Degree for Transfer (AA-T or AS-T) must complete the CSU GE Breadth general education or the IGETC (Intersegmental General Education Transfer Curricula) to satisfy general education requirements. However, students who are pursuing transfer may opt to satisfy the local AA/AS general education requirements by completing the CSU GE Breadth or IGETC pattern in lieu of the local general education pattern.

A minimum of 19 units in general education is required for graduation from Clovis Community College.

Select at least one (1) course and not fewer than three (3) units in each of the areas (A), (B), and (C), four (4) units (D.1), and three (3) units in area (D.2).

### Area A - Natural Sciences (One course, 3 units minimum)

Anthro 1;  
Biology 3, 5, 10, 11A, 11B, 20, 22, 31, 122;  
Chemistry 1A, 1B, 3A, 3B, 8, 10, 28A, 28B;  
Foods and Nutrition 40;  
Food Safety and Processing 1  
Geography 1, 5, 9;  
Geology 1, 9;  
Physics 2A, 2B, 4A, 4B, 4C, 10;  
Science 1A

### Area B - Social and Behavioral Sciences (One course each from B.1 and B.2, 6 units minimum)

1. Government and Constitution (3 units)  
Political Science 2, 2H, 110;
2. Other Social and Behavioral Sciences (3 units)  
Anthropology 1, 2, 3, 4;  
Business Administration 33;  
Child Development 30, 38, 39;  
Communication 10;  
Criminology 5, 13;  
Economics 1A, 1B;  
Geography 2, 6, 20;  
History 1, 2, 11, 12, 12H, 20, 23, 31, 33;  
Political Science 3, 5, 24;  
Psychology 2, 2H, 5, 16, 25, 38, 45;  
Sociology 1A, 1B, 2, 32

### Area C - Humanities (One course, 3 units minimum)

American Sign Language 1, 2, 3, 4;  
Art 1, 2, 3, 4, 5, 6, 6H, 7, 9, 13, 17, 19, 23, 26;  
Chinese 1, 2;  
Communication 12, 15;  
English 1B, 1BH, 15A, 15B, 15E, 15F, 41, 43A, 43B, 44A, 44B,  
46A, 46B, 47, 49;  
Film 1, 2A, 2B;  
French 1, 2, 3, 4;  
German 1, 2, 3, 4;  
History 1, 2, 11, 12, 12H, 20, 23, 31, 33;  
Linguistics 10, 11;  
Music 3, 12, 16, 23;  
Philosophy 1, 1C, 1CH, 1D, 3;  
Photography 1;  
Spanish 1, 2, 3, 3NS, 4, 4NS, 15, 16

### Area D - Language and Rationality (One course each from D.1 and D.2, 6 units minimum)

D.1 = 4 units; D.2 = 3 units

1. English Composition (4 units)  
English 1A, 1AH
2. Communication/Analytical Thinking (3 units)  
Communication 1, 1H, 2, 4, 8, 25;  
Philosophy 6

Courses used to fulfill General Education requirements may also be used to fulfill specific course and unit requirements of individual majors.

Please see a counselor to design a Student Educational Plan (SEP) for guidance on what courses to take.

### Application for Certificate or Graduation

A candidate for an associate in arts degree, associate in science degree, associate in arts or science degree for transfer, or a certificate of achievement must file a graduation application for the degree or certificate. An application for a degree or certificate of achievement will be accepted when a student is within a year of potential graduation and/or completion. A student who needs a formal evaluation prior to the year of graduation/completion may appeal this policy by providing evidence of special program requirements. Application deadlines are listed in the academic calendar of this catalog. No student is a candidate for graduation until the application is completed. Graduation ceremonies for degree candidates are held at the end of the spring semester each year. Diplomas will be dated at the end of the semester or summer session in which requirements are met. Diplomas and certificates are mailed to successful candidates approximately two months after fulfilling graduation requirements.

# TRANSFER INFORMATION & REQUIREMENTS

## Preparation to Enter Baccalaureate-Level College or Universities

Clovis Community College offers many of the lower division (freshman and sophomore level) classes that are part of the requirements to earn a baccalaureate degree at a college or university. Clovis Community College students may complete all or most of their lower division general education and major preparation before transferring.

The requirements for transfer and the requirements for a certificate and/or associate degree program can be very different amongst colleges within State Center Community College District as well as for all colleges and universities. Therefore, the importance of reaching a decision regarding one's objectives at the time of enrollment cannot be overemphasized. With careful planning a student may be able to earn a certificate and/or associate degree as well as meet transfer requirements. It is advisable for entering students to plan a program which meets the requirements of the particular college or university to which they wish to transfer. Students should consult the catalog of the specific college or university which they plan to attend. Counselors will assist in interpreting catalog statements and requirements and with developing a Student Educational Plan (SEP) upon request. Catalogs of many universities and colleges are available in the Counseling Department. It is, however, wise for students to order their own personal copies directly from the college or university of their choice.

## Articulation

Articulation is a process of developing formal written agreements that identify courses at one college that are accepted in lieu of specific courses at another college or that fulfill a specific statewide pattern of general education.

Clovis Community College has developed numerous articulation agreements with California State University and University of California campuses. These agreements may be viewed on the Clovis Community College website, in the Clovis Community College Counseling Department, or at [www.assist.org](http://www.assist.org). Articulation agreements have also been developed with some California private and out-of-state colleges and universities. These agreements are available on the Clovis Community College website or in the Clovis Community College Counseling Department as well. See a counselor for assistance.

## Articulation System Stimulating Inter-Institutional Student Transfer (ASSIST)

ASSIST is a single computerized database located at [www.assist.org](http://www.assist.org) that provides access to articulation agreements developed between California Community Colleges, the California State Universities (CSU), and the Universities of California (UC). As articulation agreements are updated, so is the information maintained in ASSIST. See a counselor for assistance in how to use ASSIST.

- **CSU Transferable Courses**  
These are courses from a community college that transfer to any CSU campus for baccalaureate/transfer credit.
- **CSU GE-Breadth Certification Courses**  
These are courses from a community college that apply to the CSU GE-Breadth certification requirements.
- **CSU US History, Constitution, and American Ideals Courses**  
These are courses from a community college that satisfy the CSU graduation requirement in U.S. History, Constitution, and American Ideals.
- **IGETC for UC and CSU**  
These are courses from a community college that apply to the Intersegmental General Education Transfer Curriculum (IGETC) requirements.
- **UC Transferable Courses**  
These are courses from a community college that transfer to any UC campus for baccalaureate/transfer credit.
- **UC Transfer Admission Eligibility Courses**  
These are courses from a community college that satisfy the minimum eligibility course requirements for admission to the UC.
- **By Major**  
These agreements specify courses at one college or university that fulfill lower-division major requirements/preparation at another college or university.
- **By Department**  
These agreements identify courses at one college or university that are acceptable in lieu of courses at another college or university.

## Transfer to California State University (CSU)

Transfer Requirements of California State University (CSU) students who have enrolled in college beyond the summer following their high school graduation are considered transfer students and must meet transfer admission requirements.

Students who have completed fewer than 60 CSU transferable semester college units at the time of transfer are considered lower division transfer students.

Students who have completed 60 or more CSU transferable semester college units at the time of transfer are considered upper division transfer students.

### Lower Division Admission Requirements

Transfer students with fewer than 60 semester or 90 quarter units must have a grade point average of 2.0 ("C") or better in all transferable units attempted, be in good standing at the last college or university attended, and meet any one of the following eligibility standards:

**Transfer Based on Current Admission Criteria:** Satisfy the freshman admission requirements in effect for the term for which the application is made;

or

**Transfer Based on High School Eligibility:** Satisfied eligibility as a freshman at the time of high school graduation and has been in continuous attendance in an accredited college since high school graduation;

or

**Transfer Based on Making up Missed Subjects:** Satisfied the eligibility index at the time of high school graduation (combination of grade point average and test scores, if needed), has made up any missing college preparatory subject requirements with a grade of "C" or better, and has been in continuous attendance in an accredited college since high school graduation.

Note: Due to enrollment pressures, many CSU campuses do not admit lower division transfers. Some campuses may require lower division transfer students to complete specific college coursework as part of their admission.

### Upper Division Transfer Students

Students are eligible for admission with 60 or more CSU transferable semester units (90 quarter units) if they:

- Have a grade point average of 2.00 or better (2.40 for California non-residents) in all transferable college units attempted.
- Are in good standing at the last college or university attended, i.e., eligible to re-enroll.

- Have completed or will complete prior to transfer at least 30 semester units (45 quarter units) of general education requirements with a grade of "C" or better in each course. 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 of at least 3 semester units (4 quarter units) required in Mathematics/Quantitative Reasoning.

Notes: Campuses and/or programs that are designated as impacted have additional admission criteria. Impacted campuses/programs result when the number of CSU eligible applicants received in the initial application filing period is greater than the number of students that can be accommodated by the campus or major. We recommend seeking assistance from a Clovis Community College counselor.

There are limitations on the number of CSU transferable work experience credits accepted. These vary by CSU campus.

## California State University Transfer Course List (CSU)

Clovis Community College courses numbered 1 through 99 are CSU transferable.

### General Education Requirements for CSU Certification

The CSU General Education-Breadth program allows California community college students who plan to transfer to a 4-year institution to fulfill lower-division general education requirements for any CSU campus prior to transfer. This curriculum provides an alternative to the IGETC requirements and to the campus-specific GE-Breadth requirements. It is important to note that CSU GE-Breadth certification is not a minimum admission requirement, nor does completion guarantee admission to the campus or program of choice.

Up to 39 of the 48 GE-Breadth units required can be transferred from and certified by a California community college. Students who are certified with 39 semester units of lower division GE-Breadth units cannot be held to additional lower division GE courses at the CSU campus. Upon enrollment at CSU, all transfer students will be required to complete a minimum of 9 semester units of upper division general education. Students without certification may be held to the general education pattern developed for CSU students, which may vary greatly from the community college CSU GE-Breadth pattern.

## Clovis Community College CSU General Education—Breadth 2019-2020

### Area A: Communication in the English Language and Critical Thinking

*Nine semester units minimum with one course each from A1, A2, and A3 ("C" or better grade required in A1, A2, and A3).*

- Area A1: Oral Communication  
Communication 1, 1H, 2, 4, 8, 25
- Area A2: Written Communication  
English 1A, 1AH
- Area A3: Critical Thinking  
Communication 25  
Computer Science 1  
English 3, 3H  
Philosophy 2, 4, 6  
Sociology 1B

### Area B: Scientific Inquiry and Quantitative Reasoning

*Nine semester units minimum with at least one course each in B1, B2, and B4 ("C" or better grade required in B4). One course in B1 or B2 must contain a lab component indicated by (L) or be accompanied by a course in B3.*

- Area B1: Physical Science  
Chemistry 1A(L), 1B(L), 3A(L), 3B(L), 8, 10(L), 28A, 28B  
Geography 1, 5, 9  
Geology 1(L), 9(L)  
Physics 2A(L), 2B(L), 4A(L), 4B(L), 4C(L), 10(L)  
Science 1A(L)
- Area B2: Life Science  
Anthropology 1, Biology 2(L), 25 (L), 3(L), 5 (L), 10, 11A (L), 11B (L), 20(L), 22(L), 31(L)
- Area B3: Laboratory Activity  
One course from B1 or B2 marked with (L) or one of the following:  
Biology 2(L), 25 (L), 10 (L)  
Chemistry 29A(L), 29B(L)
- Area B4: Mathematics/Quantitative Reasoning  
Business Administration 39  
Computer Science 26  
Mathematics 3A, 4A, 4B, 5A, 5B, 6, 10A, 10B, 11, 17, 45  
Statistics 7

### Area C: Arts and Humanities

*Nine semester units minimum with at least one course each from C1 and C2, and an additional course from C1 or C2.*

- Area C1: Arts  
Art 1, 2, 5, 6, 6H, 26  
Communication 12  
Film 1, 2A, 2B  
Music 12, 16  
Photography 1
- Area C2: Humanities  
Art 26  
American Sign Language 1, 2, 3, 4  
Chinese 1, 2  
English 1B, 1BH, 43A, 43B, 44A, 44B, 46A, 46B, 47, 49  
Film 2A, 2B  
French 1, 2, 3, 4  
German 1, 2, 3, 4  
History 1, 2, 11, 12, 12H, 20, 23, 31, 33  
Linguistics 10  
Philosophy 1, 1C, 1CH, 1D, 3  
Spanish 1, 2, 3, 3NS, 4, 4NS, 15, 16



Clovis Crush and Cross Country Coach CJ Albertson

## Area D: Social Sciences

Nine semester units minimum from at least two disciplines.

Anthropology 1, 2, 3, 4  
 Child Development 30, 38, 39  
 Communication 10  
 Criminology 13  
 Economics 1A, 1B  
 Geography 2, 6, 20  
 History 1, 2, 11, 12, 12H, 20, 23, 31, 33, 35  
 Journalism 1  
 Political Science 2, 2H, 3, 5, 24  
 Psychology 2, 2H, 5, 16, 38, 45  
 Sociology 1A, 1B, 2, 3, 11

## Area E: Lifelong Learning and Self-Development

Three semester units minimum.

Child Development 38, 39  
 Counseling 53  
 Foods and Nutrition 35  
 Health 1  
 Interdisciplinary Studies 50  
 Psychology 2, 2H, 25, 38  
 Sociology 1A, 32

Note: This area can also be certified with a military DD-214. Official SMART transcript must be on file.

Total Minimum Units Required for Certification...39

Notes: Courses listed in more than one area may only be used one time.

Cross-listed courses may only be used one time.

Some CSU campuses have restrictions on when courses in Areas A and B4 must be completed prior to transfer.

Annually, additional course options may be added to the Clovis Community College CSU GE-Breadth. An updated CSU GE-Breadth Requirement Sheet may be obtained from the Counseling Department, the Clovis Community College website, or [www.assist.org](http://www.assist.org).

Students majoring in Engineering may be waived/exempted from specific areas of CSU GE-Breadth for some CSU campuses.

Students majoring in Liberal Studies may be required to complete specific courses in each area of CSU GE-Breadth.

A maximum of 70 semester units earned at community college may be transferred to CSU. Course work completed

above the 70 units may be used to satisfy GE and major preparation even though the units will not count toward the bachelor's degree.

## U.S. History, Constitution, and American Ideals

To graduate from the California State University, a student must complete, with a "D" or better grade, a combination of courses which are identified as meeting the U.S. History, Constitution, and American Ideals requirements. Courses at Clovis Community College which meet this requirement include:

One course from History 11, 12, or 12H, or 22 combined with one course from Political Science 2 or 2H. These courses may also be used simultaneously to satisfy course requirements on the CSU GE-Breadth pattern.

## Transfer to University of California (UC)

### Transfer Requirements of University of California (UC) for California residents.

Students who have enrolled in college beyond the summer following their high school graduation are considered transfer students and must meet transfer admission requirements. The requirements described here represent minimum academic standards students must attain to be eligible for admission to the UC. Meeting the minimum eligibility requirements does not guarantee admission to the campus or program of choice, which often requires students meet more demanding transfer selection.



## Lower Division Transfer Admission Requirements

Students are eligible for admission with fewer than 60 UC transferable units completed if they have met one of the two following options:

1. Students who were eligible for admission to the university upon graduation from high school, meaning that the subject, scholarship, and examination requirements were satisfied, or students who were identified by the UC during their senior year in high school as eligible under the Eligibility in the Local Context (ELC) program and completed the subject and examination requirements in the senior year, are eligible to transfer if they have a "C" (2.0) grade point average in their UC transferable college coursework.
2. Students who met the scholarship requirement but did not satisfy the subject requirement must take UC transferable college courses in the subjects they are missing, earn a grade of "C" (2.0) or better grade in each of these required courses and earn an overall "C" (2.0) average in all UC transferable college coursework to be eligible to transfer.

## Upper Division Transfer Admission Requirements

Students are eligible for admission with 60 or more UC transferable semester units (90 quarter units) if they fulfill both of the following criteria:

- Complete 60 semester units of UC transferable college credit with a grade point average of at least 2.4 (no more than 14 semester/21 quarter units may be taken Pass/Not Pass), and:
- Complete the following seven course pattern, earning a grade of "C" (2.0) or better in each course:
  - two UC transferable college courses (3 semester units each) in English composition; and
  - one UC transferable college course (3 semester units) in mathematical concepts and quantitative reasoning; and
  - four transferable college courses (3 semester units each) chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral sciences, and the physical and biological sciences.

Notes: Students who satisfy the Intersegmental General Education Transfer Curriculum (IGETC) prior to transferring to UC may satisfy the seven course pattern of the upper division transfer admission requirements.

A maximum of 70 UC transferable semester units earned at community colleges may be transferred to the UC. Coursework completed above the 70 units may be used to satisfy GE and major preparation even though the units will not count toward the bachelor's degree.

## UC Transfer Admission Guarantee

Clovis Community College participates in guaranteed admission programs with UC Davis, UC Irvine, UC Merced, UC Riverside, UC Santa Barbara, and UC Santa Cruz. Specific requirements must be met for students to qualify for a transfer admission guarantee. See a counselor for Transfer Admission Guarantee information.

## University of California Transfer Course Agreement 2019-2020

Clovis Community College courses that are acceptable for transfer credit at the University of California:

Accounting (ACCTG) 4A, 4B  
 American Sign Language (ASL) 1, 2, 3, 4  
 Anthropology (ANTHRO) 1, 2, 3, 4  
 Art (ART) 1, 2, 3, 4, 5, 6, 6H, 7, 9, 13,  
 17, 19, 23, 26, 30A, 30B, 37A, 37B, 41, 44  
 Biology (BIOL) 3, 5, 10, 10L, 11A, 11B, 20, 22, 31  
 Business Administration (BUS) 10, 18, 39  
 Chemistry (CHEM) 1A, 1B, 3A, 3B, 8, 10, 28A,  
 28B, 29A, 29B  
 Child Development (CHDEV) 30, 38, 39  
 Chinese (CHIN) 1, 2  
 Communication (COMM) 1, 1H, 4, 8, 10, 25  
 Computer Science (CSCI) 1, 26, 40, 41, 45  
 Counseling (COUN) 53  
 Criminology (CRIM) 1, 5, 6, 14  
 Dance 9, 10, 14, 15, 28  
 Economics (ECON) 1A, 1B  
 Education (EDUC) 10  
 Engineering (ENGR) 2, 4, 6, 8, 40  
 English (ENGL) 1A, 1AH, 1B, 1BH, 3, 3H, 15A, 15B, 15E,  
 15F, 41, 43A, 43B, 44A, 44B, 46A, 46B, 47, 49  
 Film (FILM) 1, 2A, 2B  
 Foods and Nutrition (FN) 35, 40  
 French (FRENCH) 1, 2, 3, 4  
 Geography (GEOG) 1, 2, 5, 6, 9, 20  
 Geology (GEOL) 1, 9  
 German (GERMAN) 1, 2, 3, 4  
 Health Science (HLTH) 1, 2  
 History (HIST) 1, 2, 11, 12, 12H, 20, 23, 31, 33, 35

Information Systems (IS) 12, 15, 33, 47, 50A, 50B  
 Interdisciplinary Studies 50  
 Kinesiology (KINES) 20, 22  
 Library Skills (LIBSKL) 1  
 Linguistics (LING) 10, 11  
 Math (MATH) 3A, 4B, 5A, 5B, 6, 10A, 10B, 11, 17, 45  
 Music (MUS) 12, 16, 23, 31  
 Philosophy (PHIL) 1, 1C, 1CH, 1D, 2, 3, 4, 6  
 Photography (PHOTO) 1  
 Physical Education (PE) 2, 6, 7, 8, 12, 12B,  
 14, 15, 15B, 16, 18, 19, 19B, 29, 36B, 36C, 43B, 43C, 45, 49,  
 49A, 71  
 Physics (PHYS) 2A, 2B, 4A, 4B, 4C, 10  
 Political Science (POLSCI) 2, 2H, 3, 5, 24  
 Psychology (PSY) 2, 2H, 5, 16, 25, 38, 45  
 Science (SCI) 1A  
 Sociology (SOC) 1A, 1B, 2, 32  
 Spanish (SPAN) 1, 2, 3, 3NS, 4, 4NS, 15, 16  
 Statistics (STAT) 7

Notes: A number of courses are cross-referenced (the same course is listed in more than one area, department, or discipline) usually with the same course number. Credit can be earned only once for cross-referenced courses. See the individual course listings in the "Course Descriptions" section of the catalog.

#### Course/unit limitations:

- UC grants limited credit for multiple courses taken in one discipline; credit is also limited when certain courses are taken after other courses in one discipline. See [www.assist.org](http://www.assist.org) for additional information.
- Independent studies, special studies, and variable topics courses may be accepted for UC credit; review of the scope and content of the course usually occurs after transfer.
- Credit for PE activity courses is limited to 4 semester units; credit for PE theory courses is limited to 8 semester units.
- Honors Course Credit Limitation. Duplicate credit will not be awarded for both the honors and regular versions of a course. Credit will only be awarded the first course completed with a grade of "C" or better.

## Intersegmental General Education Transfer Curriculum (IGETC) to CSU and UC

The Intersegmental General Education Transfer Curriculum is a general education program that California community college transfer students may use to fulfill lower-division general education requirements for any California State University (CSU) or University of California (UC) and many California private colleges and universities. This curriculum provides an alternative to the CSU General Education-Breadth requirements, the UC GE/Breadth requirements, and many private colleges' general education requirements. It is important to note the IGETC is not an admission requirement, nor does completion of the IGETC guarantee admission to the campus or program of choice.

The IGETC is most helpful to students who want to keep their options open—those who know they want to transfer but have not yet decided upon a particular institution, campus, or major. Certain students, however, will not be well served by following the IGETC. Students who intend to transfer into a major that requires extensive lower division preparation, such as engineering or the physical and natural sciences, should concentrate on completing the many prerequisites for the major that the college evaluates to determine eligibility for admission. A counselor or a UC/CSU/private college admissions representative can advise which path is best. If students choose to follow the IGETC they must complete it to have if fully certified otherwise they will be required to satisfy the lower division general education requirements of the UC/CSU/private college or university. Some campuses, however, will permit a maximum of two requirements to be unmet prior to transfer. Completion is required upon transfer. See a counselor for information about IGETC.

Annually, additional course options may be added to the Clovis Community College IGETC. An updated IGETC may be obtained from the Counseling Department, the Clovis Community College web site, or [www.assist.org](http://www.assist.org).

## Clovis Community College Intersegmental General Education Transfer Curricula (IGETC) 2019-2020

### Area 1: Communication in the English Language and Critical Thinking

*CSU - three courses required, one each from 1A, 1B, and 1C (nine semester units minimum);*

*UC - two courses required, one each from 1A and 1B (six semester units minimum).*

- 1A: English Composition  
English 1A, 1AH
- 1B: Critical Thinking-English Composition  
Communication 25  
English 3, 3H  
Philosophy 2
- 1C: Oral Communication  
(CSU requirement only)  
Communication 1, 1H, 4, 8, 25

### Area 2: Mathematical Concepts and Quantitative Reasoning

*One course required (three semester units minimum).*

Computer Science 26  
Math 3A, 4B, 5A, 5B, 6, 11, 17  
Statistics 7

### Area 3: Arts and Humanities

*At least three courses with at least one from Arts and one from Humanities (nine semester units minimum) and an additional course from 3A or 3B.*

- 3A: Arts  
Art 1, 2, 5, 6, 6H, 26  
Film 1, 2A, 2B  
Music 12, 16
- 3B: Humanities  
Art 26  
American Sign Language 2, 3, 4  
Chinese 2  
English 1B, 1BH, 43A, 43B, 44A, 44B, 46A, 46B, 47, 49  
Film 2A, 2B  
French 2, 3, 4  
German 2, 3, 4  
History 1, 2, 11, 12, 12H, 20, 23, 31, 33  
Linguistics 10  
Philosophy 1, 1C, 1CH, 1D, 3  
Spanish 2, 3, 3NS, 4, 4NS

### Area 4: Social and Behavioral Sciences

*At least three courses from at least two different disciplines (nine semester units minimum).*

Anthropology 1, 2, 3, 4  
Child Development 30, 38, 39  
Communication 10  
Economics 1A, 1B  
Geography 2, 6, 20  
History 11, 12, 12H, 23, 31, 33, 35  
Political Science 2, 2H, 3, 5, 24  
Psychology 2, 2H, 5, 16, 38, 45  
Sociology 1A, 1B, 2

### Area 5: Physical and Biological Sciences

*At least two courses, one Physical Science and one Biological Science. One course must have a lab component (indicated by L), (seven-nine semester units minimum).*

- 5A: Physical Science  
Chemistry 1A(L), 1B(L), 3A(L), 8, 10(L), 28A, 28B  
Geography 1, 5, 9  
Geology 1(L), 9(L)  
Physics 2A(L), 2B(L), 4A(L), 4B(L), 4C(L), 10(L)  
Science 1A(L)
- 5B: Biological Science  
Anthropology 1  
Biology 3(L), 5(L), 10, 11A(L), 11B(L), 20(L), 22(L), 31(L)
- 5C: Laboratory Activity  
You must complete a course from area 5A or 5B with a lab (marked with an L) or one of the following:  
Biology 10L(L)  
Chemistry 29A(L), 29B(L)

### Area 6: Language Other than English (UC requirement only)

Proficiency equivalent to two years of high school study in the same language with "C" or better grades (at Clovis Community College one course required if not met by high school foreign language).

American Sign Language 1, 2, 3, 4  
Chinese 1, 2  
French 1, 2, 3, 4  
German 1, 2, 3, 4  
Spanish 1, 2, 3, 3NS, 4, 4NS



***Please Note: CSU Graduation Requirement in U.S. History, Constitution, and American Ideals***

One course from each group (six semester units minimum). This requirement is NOT part of IGETC, but it may be completed prior to transfer.

- **Group 1:**  
Political Science 2, 2H
- **Group 2:**  
History 11, 12, 12H, 22

**2019-2020 IGETC Notes**

- The IGETC is a general education program that California Community College students can use to fulfill lower division general education requirements for any CSU or UC campus and many California private colleges/universities.
- The IGETC provides an alternative to the General Education-Breadth requirements for CSU, UC, and many California private colleges/universities.
- The IGETC is NOT an admission requirement for the CSU or UC nor does completion of the IGETC guarantee admission to the campus or program of choice.
- All areas of the IGETC must be completed to be fully certified by the community college and must be completed prior to transfer to a CSU or UC. In some circumstances, a student may make up two missing IGETC course requirements after transferring to a university. See a counselor for information regarding partial certification.
- All courses must be completed with a grade of "C" or better to be certified.
- A grade of "CR" (credit) or "P" (pass) may be used if the grading policy of the community college states that "CR" or "P" is equivalent to a grade of "C" or better. The UC will allow no more than 14 semester units taken CR/P toward UC eligibility or IGETC. The CSU campuses vary on the number of units they allow. Check each college's catalog or see a counselor for more information.
- Courses may be used only once to satisfy one subject area even if they are listed in more than one subject area.
- Advanced Placement (AP) tests completed with a score of 3, 4, or 5 may be applied to the IGETC. One AP exam may be applied to only one course requirement. (Example: AP English Comp and Literature may be used to satisfy ENGL 1A or 1B NOT both.)
- All IGETC coursework does not have to be completed at the same college. Courses taken at more than one California Community College may be used to fulfill the IGETC. Note, however, that courses applicable to IGETC may vary from college to college.
- The IGETC is not a good option for students intending to transfer into high-unit majors, such as engineering or the sciences, which require extensive lower division preparation.
- See a counselor to make sure that the IGETC is appropriate for your use or if you have any other questions regarding the IGETC.
- Additional courses may be added to the Clovis Community College IGETC. An updated IGETC sheet may be obtained from the Counseling Department, the Clovis Community College web site, or [www.assist.org](http://www.assist.org).

## **Transfer to Private/Independent and Out-of-State Colleges and Universities**

Transfer requirements of the private/independent and out-of-state colleges and universities differ from one institution to another. Students should acquaint themselves with the current catalog of the college to which they plan to transfer for admission, general education, and major preparation information. It is up to the receiving institution to determine application of credit. The Clovis Community College Counseling Department has a library of catalogs for student use as well as computers with internet access for college websites and catalogs online. See a counselor for assistance.

# ADMINISTRATIVE POLICIES

## Student Conduct Standards

Students are expected to conduct themselves as responsible citizens whenever they are on the campus or representing Clovis Community College in any activity. The Board of Trustees has adopted specific rules and regulations governing student behavior along with applicable penalties for violations. The student conduct standards and discipline policy (Board Policy No. 5500) is cited below, and students consequently are held responsible for familiarizing themselves with these rules and regulations (Education Code 66300). All campus activities must have the prior approval of the administration of the college.

## State Center Community College District (SCCCD) Policy Statement

Once a student enrolls in courses on a campus of the State Center Community College District, that individual accepts both the rights and responsibilities associated with that enrollment. The State Center Community College District exists to educate individuals in our community. All other considerations are secondary. The district will not infringe on anyone's constitutional rights and the right to dissent and to protest will be supported. However, the right to dissent and to protest must not be construed as a right to disrupt operation of the institution. No individual or group can be permitted to infringe on the rights of others to secure an education.

These conduct standards, and Administrative Regulation 5520 which defines discipline procedures, apply to all students who are enrolled in courses offered by either college of the State Center Community College District. Any student will be subject to discipline who, in any way:

1. prevents other students from pursuing their authorized curricular or co-curricular interests;
2. interferes with or disrupts faculty and administrators who are fulfilling their professional responsibilities;
3. prevents classified employees from fulfilling their prescribed duties;
4. disrupts presentations by authorized guests; or
5. deliberately endangers the safety of persons, or the security of college property.

## Student Assembly

In accordance with state law, the district recognizes the right of peaceful assembly and will make facilities available for recognized staff and student groups when such assembly does not obstruct free movement of persons about the campus, the normal use of classroom buildings and facilities, and normal operations of the college or the instructional program, and when it does not jeopardize the safety of persons, lead to the destruction of property, or violate the laws of the district, state, or nation. Persons who are not members of the student body or the college and who violate this policy shall be subject to the control of public authorities.

## Exercise of Free Expression

In stating its policy on the distribution of materials, the governing board of this district has assumed that each student is responsible for his/her actions individually, even when acting as a member of an organization, and that no student, by following district or college policies, regulations or procedures, escapes individual responsibility for observing laws relating to such matters as libel, copyright violation, and obscenity.

Bulletins, circulars, publications, or articles of any character prepared by a student currently enrolled in an institution of this district, or by a campus organization officially recognized by a college of this district may be distributed on a college campus of this district only when such distribution is in accordance with established regulations.

With the exception of publications and materials sold or circulated by offices or agencies of this district and of district colleges, all publications and materials to be circulated on campuses of the district shall be subject to the foregoing policy provisions.

This policy is not intended to limit the use of sectarian, partisan, or denominational materials for legitimate library and classroom use.

## Student Protests and Demonstration

The students, faculty, and administration of the community college district are expected to respect the rights of the minority just as much as they respect those of the majority. Every individual, operating within the law, is guaranteed the basic freedoms. Students may participate in demonstrations or protests as long as they do not interfere with the main job of the college - education. Picketing, demonstrations, or other forms of protest are not to be carried on so as to interfere with instructional activities or the normal flow of student traffic in and out of buildings.

Each college has the right to make and enforce reasonable regulations relating to the time, place, and manner of the exercise of these rights, in order to prevent interference with college programs and services.

## Student Publications

Student publications are a valuable aid in establishing and maintaining an atmosphere of free and responsible discussion and in intellectual exploration. They serve as a means of bringing student concerns to the attention of the college community and the public and of formulating student opinion on various issues.

The editorial freedom of student editors and managers entails corresponding responsibilities to be governed by the canons of responsible journalism such as the avoidance of libel, indecency, undocumented allegations, attacks on personal integrity, and the techniques of harassment and innuendo. As safeguards for the editorial freedom of student publications, the following provisions shall apply:

1. Editors and managers of student publications shall be protected from arbitrary suspension and be removed only for proper cause through orderly procedures.
2. All college published and financed student publications shall state explicitly on the editorial page that the opinions there expressed are not necessarily those of the college or the student body.

## Computer/Network Equipment Use Policy

Every State Center Community College District (SCCCD) student is permitted to use a District owned computer/network. As a condition of this use, each student agrees to:

- use the computer/network for educational purposes only and not for any commercial purpose or financial gain;
- use the computer and software in an ethical manner; this means he/she will respect the security of the

District's computer system and will not gain or attempt to gain unauthorized access to any network, hardware or software;

- not take or copy any copyrighted or patented software or any part of such software; further, he/she agrees not to install/uninstall any program or software, including shareware programs, on the computer;
- not use the electronic mail system for any illegal or illicit purpose, including solicitation; the District reserves the right to monitor all computer activities on its computers; the student agrees to abide by the rules of any other computer system that he/she may contact through the Internet;
- not transmit any communication in which the meaning of the message or its transmission or distribution would violate any applicable law or regulation or be offensive to the recipient or recipients; and
- not search, view or download pornographic material through any means.

It is understood that information, programs, or data a student obtains from the Internet are used at his/her own risk. He/she is responsible for any damage caused by malicious programs, commonly known as viruses, received from the internet.

Each student is expected to abide by the District's Acceptable Use Policy (<http://www.sccd.edu/departments/information-systems/sccd-use-policy.html>). The District is the sole determiner of the interpretation and application of the Acceptable Use Policy. It is understood that if a student violates any of the above rules, he/she is subject to removal from the computer facility as well as discipline as a student.

## No Smoking in Campus Buildings

In order to provide a healthier climate for teaching, learning, and study, smoking and use of tobacco products is limited to a designated smoking area near the north east corner of AC1.

## **Drug- and Alcohol-Free Campus**

Clovis Community College is committed to maintaining a drug- and alcohol-free campus. To that end, the college prohibits the unlawful manufacture, distribution, dispensing, possession, or use of controlled substances (as defined in Schedules I through V of the Controlled Substances Act {21U.S.C812} and as further defined by Regulations 21 CFR 1308.15 in the workplace). Behavior which violates this policy will be subject to disciplinary action in accordance with campus policies and regulations (BP 5500). Persons who seek information and/or resolution of alleged violations are directed to the Vice President of Student Services (559) 325-5214 in room AC1-260, the Deans of Student Services (559) 325-5285 or the Dean of Student Services (559) 325-5265, in room AC2-235, or campus police at (559) 244-5911.

## **Academic Freedom**

### **General Principles**

The State Center Community College District is unequivocally and unalterably committed to the principle of academic freedom in its true sense which includes freedom to study, freedom to learn and freedom to teach and provide educational professional services to students.

Academic freedom encompasses the right of an instructor to discuss pertinent subjects within his or her field of professional competency in the classroom, consistent with course objectives, and for counselors, librarians, and other academic employees to provide appropriate student services within their fields of professional competency and consistent with sound educational principles.

Neither District officials nor outside individuals or groups may interfere with or censure an academic employee because of the employee's proper treatment of pertinent subjects, or provision of proper educational professional services to students is precluded by the principle of academic freedom.

Faculty must, however, accept the responsibility that accompanies academic freedom. The right to exercise any liberty implies a duty to use it responsibly. Academic freedom does not give faculty freedom to engage in indoctrination. Nor can faculty invoke the principle of academic freedom to justify non-professional conduct.

An essential point that pertains to academic freedom and that must be considered in relation to subject matter or to professional services to the student is the criterion of suitability. The subject matter, material to be studied, or educational professional services to the student must contribute to the attainment of course objectives or achievement of an educational principle.

The special interests of faculty or the opinion of a person or persons in a class should not supersede the right of other students to be protected against irrelevant or obscene materials or presentations.

### **Textbook Selection**

Each campus shall develop a procedure for the selection of textbooks that recognizes the basic right and duty of the faculty to be the primary agent in the process. Since students in most instances must purchase books, the procedure should take cognizance of the financial consideration that may be imposed upon the student.

### **Public Forums**

In keeping with the philosophy of intellectual freedom and the responsibility of the Community College District for services to its community, public forums presenting speakers with varying points of view may be offered to the local community as part of the educational program.

All proposals for special programs and projects, involving requests for financial assistance from outside funding sources such as governmental agencies, foundations or special organizations, shall be presented to the Board of Trustees for approval prior to the submission of a formal application to such outside groups.

### **Academic Dishonesty**

Students at Clovis Community College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share the responsibility to ensure that this education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences.

### **Cheating**

Cheating is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another's work, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

## Plagiarism

Plagiarism is a specific form of cheating, the use of another's words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights. Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may include failing grade on the particular examination, paper, project, or assignment in question, at the discretion of the instructor and depending on the severity and frequency of the incidents.

## Authority and Disciplinary Actions

Instructors shall be in charge of their classes and students are under obligation to respect the authority of each instructor.

Clovis Community College seeks to develop responsible, democratic citizenship among the students enrolled. Students are responsible for their conduct. Failure to adhere to the college's standards will result in disciplinary action. The college reserves the right to exclude at any time a student who violates student conduct standards and/or is not taking proper advantage of the opportunities offered. (See Student Right to Know on page 12).

Clovis Community College reserves the right to exclude at any time a student who, in the judgment of the administration, is not taking proper advantage of the opportunities offered.

## Student Rights

Student rights are protected by federal and state laws, and by policies established by the trustees of the State Center Community College District. It is therefore essential for the protection of students' rights that procedures be established and followed which would identify violations of student conduct standards and the resolutions of such violations. Students have a right to an oral or written notice (reasons for disciplinary action), an opportunity for a review, and a decision given orally or in writing. For more information contact the Dean of Student Services. (Board Policy 5500, Administrative Regulation 5520)

## Removal from Class by Instructor

Clovis Community College's Student Code of Conduct Policy (Administrative Regulation 5520 and Educational Code 76032) authorizes an instructor to remove a disruptive student from his or her class for the day of the removal and the next class meeting. The instructor shall immediately report the removal to the Dean of Student Services. During the period of removal, a student shall not be returned to the class from which he or she was removed without the concurrence of the instructor of the class.

## Grievance and Complaint Policy for Students

Any complaint concerning an alleged unauthorized or unjustified act or decision by any staff member, involving sexual harassment and/or discrimination, which adversely affects the grades, status, rights, or privileges of a student is the concern of the Clovis Community College administration.

### **Individuals seeking information and/or resolution of alleged acts of sexual harassment and/or discrimination are directed to contact the Dean of Student Services.**

See Administrative Regulation (AR) 5530 which is available in the President's office and on the district's website at <http://www.scccd.edu/accreditation/administrative-regulations.html>.

### **A student who has a complaint that does not involve sexual harassment and/or discrimination may take action in the following sequence:**

1. Discuss the problem with the individual involved.
2. If a mutually satisfactory understanding has not been reached at step one, the student may complete a Clovis Community College Student Appeal/Complaint Form and return it to the Office of the Deans suite (AC2-235). The appropriate dean will review the complaint and will forward the complaint to a Department Chair when applicable. The Department Chair will review and attempt to address/resolve the complaint.
3. If the student's concerns remain unresolved after steps one and two, the student may make an appointment with an administrator. The following lists the appropriate administrator to make an appointment with:

<b>If your complaint is against:</b>	<b>Contact:</b>
Faculty .....	Dean of Instruction (AC2-235 or 325-5285)
Student Support Services .....	Dean of Student Services (AC2-235 or 325-5265)
Another Student or Counselor .....	Dean of Student Services (AC2-235 or 325-5265)
All other complaints .....	Vice President of Instruction (AC1-260 or 325-5212) and Vice President of Student Services (AC1-260 or 325-5214)

- If the student is not satisfied with the outcome at step three, as a final step, the student may petition to the Clovis Community College Vice President of Instruction and Vice President of Student Services.

Student Appeal/Complaint forms are available in the Office of Administration (AC1-260), Admissions and Records (AC2-130) and the Deans Office (AC2-235).

## Rights and Responsibilities

### Open Enrollment

It is the policy of this district that, unless specifically exempted by statute or regulation, every 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 Subchapter 1, Chapter 6, Division 6, Title 5 of the California Code of Regulations, commencing with Section 55000.

### Student Enrollment Responsibilities

It is the responsibility of all students to be aware of and observe all college policies regarding class enrollment and attendance, including dropping classes.

### Parking Regulations

Student vehicles must display a SCCCED parking permit to park in campus parking lots.

Students are expected to observe parking regulations with regard to red no-parking zones, private driveways, double parking, handicapped zones, restricted lots, etc., and are reminded that parking in these areas could result in a citation or the vehicle being towed away at the student's expense.

The State Center Community College District Police Department will strictly enforce these regulations. Students are advised to arrive early enough for their first class to

allow time for them to obtain a parking space, which may be some distance from the classroom, and to arrive in the classroom on time.

Students may pick up a copy of the complete parking regulations at Campus Police, Monday - Friday between 7:00 a.m. and 4:00 p.m. or at the campus Business Office.

## Statement of Nondiscriminatory Policy and Obligations

### Non-Discrimination Statement

The State Center Community College District does not discriminate nor harass on the basis of race, color, national origin, gender, sexual orientation, disability, or age in any of its policies, procedures, or practices, nor does it tolerate sexual harassment, in compliance with the Americans with Disabilities Act of 1991, Title VI of the Civil Rights Act of 1964 (pertaining to race, color, and national origin), Title IX of the Education Amendments of 1972 (pertaining to sex), Section 504 of the Rehabilitation Act of 1973 (pertaining to handicap), and Age Discrimination Act of 1975 (pertaining to age). This nondiscrimination policy covers admission and access to, and treatment and employment in, the College's programs and activities, including vocational education.

Inquiries regarding the equal opportunity policies, the filing of complaints, or to request a copy of the complaint procedures covering discrimination complaints at Clovis Community College may be directed to: Dean of Student Services and Title IX Officer/Section 504/ADA Coordinator Kira Tippins, in the Office of Administration, 10309 N. Willow Ave., Fresno, CA 93730, Room AC2-235, (559) 325-5265.

The college recognizes its obligation to provide overall program accessibility throughout Clovis Community College for handicapped persons. Contact the Clovis Community College Section 504 and ADA Coordinator Kira Tippins, AC2-235, (559) 325-5265 to obtain information as to the existence and location of services, activities, and facilities that are accessible to and usable by handicapped persons.

The lack of English language skills will not be a barrier to admission and participation in the college's vocational education programs.

Inquiries regarding Federal laws and regulations about nondiscrimination in education or the District's compliance with those provisions may also be directed to the Office for Civil Rights, U.S. Department of Education, 50 United Nations Plaza, Mail Box 1200, Room 1545, San Francisco, CA 94102.

## Declaración: Póliza Contra la Discriminación y las Obligaciones

El Distrito State Center Community College (Clovis Community College) no discrimina ni acosa por razones de raza, color, nacionalidad, género, orientación sexual, inhabilidad, o edad, en ninguno de sus reglamentos, procedimientos, o acciones, de acuerdo con los siguientes códigos: el Artículo VI del Código de Derechos Civiles (Civil Rights Act) de 1964, el cual prohíbe la discriminación por razones de raza, origen, o nacionalidad y color; el Artículo IX de las Enmiendas al Código Educativo (Education Amendments) del año 1972 (género); la sección 504 del Código de Rehabilitación de 1973 (inhabilidad); y el Código Antidiscriminatorio de 1975 (edad); y tampoco tolera ninguna acción asociada con el acoso sexual (sexual harassment), en cumplimiento con el Código que cubre a los Americanos Inhabilitados de 1991 (Americans with Disabilities Act of 1991). Dichos reglamentos y leyes abarcan y rigen todos los programas y actividades de Clovis Community College, incluyendo el Programa de Educación Vocacional (Vocational Education), e incluyen el derecho de no ser discriminado en ninguno de los programas y actividades del colegio, y ser tratado en una forma igual y equitativa.

Las preguntas al respecto a la oportunidad igual, las quejas, o solicitar una copia de las reglas para hacer una queja de discriminación contra Clovis Community College se pueden dirigir a: sobre este asunto se dirigen al vice presidente de instrucción y servicios de estudiante. La oficina del Vice-Presidente de instrucción y del Dean servicios de estudiante se encuentra en el centro de 10309 N. Willow Ave., Fresno, CA 93730.

El Colegio de Clovis Community College acepta y reconoce la obligación que tiene con las personas inhabilitadas (handicapped) de proveerles y facilitarles el acceso a todos sus programas y actividades. Para mayor información al respecto, comuníquese con el Coordinador de la Sección 504 quien le informará sobre la ubicación de los diversos servicios y actividades, así como sobre los lugares accesibles y disponibles para los inhabilitados.

La falta de conocimiento del idioma inglés no es un obstáculo para ser admitido a los programas técnicos y vocacionales del Clovis Community College.

Puede obtener más información sobre las leyes y reglamentos antidiscriminatorios, dirigiéndose a la Oficina de Derechos Civiles: Office for Civil Rights, U.S. Department of Education,  
50 United Nations Plaza  
Mailbox 1200, Room 1545  
San Francisco, CA 94102

## Tsab Cai Tsis Pub Muaj Kev Ntxub-ntxaug Thiab Tej Uas Yuav Tsum Tau Ua

Clovis Community College yuav tsis pub muaj kev ntxub ntxaug rau tej kev sib txawv ntawm haiv neeg, ntawm nqaij-tawv, tuaj txawv tej chaws tuaj, poj-niam, txiv-neej, neeg xiam oob khab, laus-hluas, los yog qhov kev xaiv ntawm tej kev nkauj nraug li cas nyob rau hauv nws txoj cai, kev khiav dej-num, los yog kev coj, kom raws li txoj cai Title VI ntawm Civil Rights Act ntawm 1964 (uas hais txog ntawm haiv neeg, nqaij-tawv, thiab tuaj txawv teb chaws tuaj), Title IX ntawm qhov Education Amendments ntawm xyoo 1972 (hais txog poj niam-txiv neej), Section 504 ntawm Rehabilitation Act ntawm xyoo 1973 (hais txog neeg xiam oob khab), qhov Americans with Disability Act thiab qhov Age Discrimination Act ntawm xyoo 1975 (hais txog laus-hluas), thiab Xeev California Txoj Cai. Tsab cai tsis pub muaj kev ntxub-ntxaug no muaj vaj-huam sib luag thiab ncaj ncees rau kev tuaj nkag kawm ntawv thiab kev ua hauj-lwm nyob hauv college tej programs thiab lwm yam rau txhua tus, nrog rau kev kawm hauj lwm nyob hauv tsev kawm ntawv. Yog xav paub txog txoj cai vaj-huam sib luag no, muaj kev tsis txaus siab los sis xav tau ib daim ntawv qhia txog txoj cai ntawm kev tawm suab txog tej kev tsis txaus siab thaum raug neeg ntxub ntxaug ntawd no, mus cuag tau rau: Clovis Community College Dean of Student Services at (559) 325-5214 located at the Clovis Community College at 10309 N. Willow Ave., Fresno, CA 93730.

Lub tsev kawm ntawv paub txog nws lub luag dej num hais tias yuav tsum tau muaj program nyob thoob plaws hauv tsev kawm ntawv rau cov neeg xiam oob khab. Vice President of Instruction and Dean of Student Services, rau tej kev pab thiab tej chaw pab, uas muaj rau cov neeg xiam oob khab.

Tus ho tsis paub lus As-kiv zoo los yeej tsis muaj teeb meem li cas rau nws tuaj mus kawm ntawv thiab kawm hauj lwm nyob rau hauv tsev kawm ntawv nqib siab no li.

Yog xav paub txog Tsoom Fwv tej cai tswj txog qhov tsis pub muaj kev ntxub-ntxaug nyob rau hauv tej tsev kawm ntawv los yog saib lub District ntawd puas ua raws li txoj cai, mus cuag tau rau: Office for Civil Rights, U.S. Department of Education,  
50 United Nations Plaza  
Mailbox 1200, Room 1545  
San Francisco, CA 94102

## Family Education Rights and Privacy Act (California State and Federal Legislation)

The Family Education Rights and Privacy Act (FERPA) outlines certain rights students have concerning access to and release of their educational records. Copies of District Administration Regulations implementing this act may be obtained from <https://www.sccd.edu/about/board-of-trustees/policies-and-regulations.html>. Each student is encouraged to obtain a copy.

The act ensures that the students will have access to their educational records and that the college will not release their records to anyone, including any parents, who is not designated by the student to receive them, except as provided by the law itself.

The law authorizes the release of directory information in the absence of student objection. Directory information includes: name, address, date and place of birth, major field of study, current class schedule, participation in activities, dates of attendance, degrees and awards received, and last institution attended. Objection, if any, to the release of this information may be made at the time the student applies for admission or at registration.

## Sexual Harassment Policy

It is the policy of the governing board that the State Center Community College District shall maintain a working and learning environment free from sexual harassment of its students, employees, and those who apply for student or employee status. All students and employees should be aware that Clovis Community College, Fresno City College, Reedley College, and the State Center Community College District are concerned and will take action to eliminate sexual harassment. Sexual harassment is conduct subject to disciplinary action.

Harassment on the basis of sex is a violation of Section 703 of Title VII of the 1964 Civil Rights Act, which is enforced by the Equal Employment Opportunity Commission. Sexual harassment is included among legal prohibitions against discrimination. Title IX of the Educational Amendments of 1972 also establishes sexual harassment as discriminatory and unlawful.

Sexual harassment includes such behavior as sexual favors, and other verbal or physical conduct of a sexual nature directed towards an employee, student, or applicant when one or more of the following circumstances are present:

1. Submission to or toleration of the conduct is an explicit or implicit term or condition of employment, appointment, admission, or academic evaluation.
2. Submission to or rejection of such conduct is used as a basis for a personnel decision or an academic evaluation affecting an individual.
3. The conduct has the purpose or effect of interfering with an employee's work performance, or creating an intimidating, hostile, offensive, or otherwise adverse working environment.
4. The conduct has the purpose or effect of interfering with a student's academic performance, creating an intimidating, hostile, offensive, or otherwise adverse learning environment, or adversely affecting any student.

In determining whether conduct constitutes sexual harassment, the circumstances surrounding the conduct will be considered.

Persons who seek information and/or resolution of alleged acts of sexual harassment are directed to contact the Dean of Student Services at Clovis Community College Title IX Officer and Section 504/ADA Coordinator, Kira Tippins, Dean of Student Services, at 10309 N. Willow Ave., Fresno, CA 93730, (559) 325-5265.

## Change of Address or Telephone Number

Students who have a change of address or telephone number are required to officially notify the college by clicking "Update Address, Telephone" on WebAdvisor.

## Social Security

Students receiving benefits from Social Security must be enrolled as full-time students (12 units for regular semester and 4 units for summer session). Students who drop below the required number of units must notify the Social Security Office; payments will cease as of the month reported.

## Other Policies

Additional policies are included in the State Center Community College District policy manual. Manuals are on file and may be consulted in the Clovis Community College Library, and the offices of the President, the Vice President of Instruction and Vice President of Student Services, and the Vice President of Administrative Services.



## Pending VA Payment Compliance

In accordance with Title 38 US Code 3679 (e) Clovis Community College adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post-9/11 G.I.Bill® [insert trademark here] or Vocational Rehabilitation & Employment (Ch. 31) benefits, while payment to the institution is pending from VA. Clovis Community 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);
- Submit completed certification request packet;
- Provide additional information needed to properly certify the enrollment as determined by School Certifying Official

## Veteran Exceptions to Out-Of-State Tuition

- If you are an active duty member of the United States Military stationed in California, or are their dependent and can show the required documentation, you may qualify for a tuition exemption even if you do not otherwise qualify for California Resident status

Or

- AB13 and VACA Act: You may qualify for a tuition exemption from non-resident fees even if you do not otherwise qualify for California Resident status if:
  - o You are discharged member of the United States Military eligible for benefits under the Montgomery GI Bill® or Post-9/11 GI Bill®.
    - Or their spouse or child
    - Or the spouse or child of a deceased member of the United States Military using benefits under the Marine Gunnery Sergeant John David Fry Scholarship
  - o And the service member's last active duty period lasted 90 days or longer
  - o And it is within three years of the service member's last day of active duty.
  - o And you live in California.

GI Bill is a registered trademark of the U.S. Department of Veterans Affairs (VA).

# STUDENT SUPPORT SERVICES

## Bookstore

The Clovis Community College Bookstore carries course materials, school and testing supplies, apparel, snacks and gift items for sale. Business hours for the Clovis Community College Bookstore are Monday through Thursday, 7:45 a.m. to 6:00 p.m., and Fridays from 7:45 a.m. to 1:00 p.m. Hours are extended at the start of Fall and Spring sessions and are reduced during Summer sessions. Please refer to the Clovis Community College Bookstore's website for current store hours. The bookstore can be reached at (559) 325-5253.

The Bookstore accepts VISA, MasterCard, Discover and American Express credit cards, debit cards and cash. The Bookstore does not accept checks.

## Refund & Return Policy

1. Students must present their current cash register receipt with the correct dollar amount of the merchandise during the stated refund period. No refund will be given without the original receipt and Photo ID. Students have 5 working days (summer and short-term classes may be different) from the date on the receipt to return textbooks/e-texts/access codes and 30 days for non-textbook items.
2. All sales are final on scantrons, trade books/novels, study aides and various electronics and software (if opened).
3. A full refund is given when a class has been cancelled by the College and textbook(s) are in the same conditions as initially bought. In all other cases, there is a 10% handling/ restocking charge.
4. Refunds will be issued in the same manner as paid (if paid with a credit/debit card – refund will be made back to credit/debit card)
5. Textbook condition: New textbooks must be in new condition. It must be clean, free of all marks and erasures. Soiled, creased or marked books will be considered a "used" book and may be refunded at the used price. Wrapped, loose-leaf textbooks, e-books, books with exposed or open access codes or boxed merchandise are non-refundable once opened. Used textbooks are sold "as is." Because these books have been used by other customers prior to sale, the Bookstore cannot guarantee the life expectancy of any used books. Used textbooks must be returned in salable condition. Any books damaged by liquids are not returnable.
6. Access codes are non-returnable if opened or if codes are exposed.
7. No refunds on textbooks/e-texts/codes will be given on purchases during the last four weeks of instruction of any term.
8. In all cases bookstore reserves the right to make the decision on the condition or salability of the merchandise.

**For textbook rental return information, refer to your rental agreement.**

## Business Office

The Clovis Community College Business Office is responsible for inquiries regarding student accounts, clearing of Business Office holds, processing student refunds, sponsor billing, and disbursement of payroll checks. The Business Office is located in room AC1-260.

Office hours are 8:00 a.m. to 5:00 p.m., Monday through Friday. Telephone (559) 325-5319.

## Cafe

The campus cafe provides appetizing food in pleasant surroundings to staff and students. Meals and snacks are available throughout the day. During the fall semester the cafe is open 7:30 a.m. to 7:30 p.m. Monday through Thursday, and Fridays 8:00 a.m. to 3:00 p.m. Summer hours will vary. For further information, call (559) 325-5302.

## CalWORKs Program

The Clovis Community College CalWORKs program operates as a joint venture of the college and the Fresno County Department of Social Services to provide career and vocational training, as well as supportive services, to students who are public assistance recipients. The program's goal is to assist students in transitioning from public assistance to self-sufficiency. Some of the supportive services include academic, career, and personal advising, financial assistance with child care, transportation, and books, CalWORKs Work Study, initial school supplies, and referral for additional supportive services.

If you are interested in the CalWORKs program or want to inquire about eligibility for CalWORKs services, call the CalWORKs Office at (559) 325-5230.

## Extended Opportunity Programs and Services (EOPS)

EOPS is a state-funded, student assistance program designed to help students with financial and academic disadvantages. The goal of EOPS is to help students succeed academically by providing services that are over, above and in addition to those that traditional students receive. These additional services can include: book vouchers, priority registration, personalized academic counseling, career guidance, transfer assistance and cash aid. Program participants are required to attend three EOPS counseling sessions throughout the semester. EOPS has two additional components: CARE and NextUp.

1. **CARE (Cooperative Agencies Resources for Education)** is a specialized program within EOPS that provides additional services for students who are single heads of household (as Determined by the Department of Social Services) and are receiving CalWORKs/TANF for themselves or their child. This program is designed to provide financial assistance and extra supportive services to help these students meet their academic goals. Students must be at least 18 years when accepted into the program.
2. **NextUp** is a support program for current or former foster youth who were in care at the age of 16 or later. Students must have verification of foster youth status from the Department of Social Services to be accepted into the program. Students must qualify for EOPS to enroll in the program and take a minimum of 9 units. The program provides financial assistance and academic monitoring. The program supports students until they are 26 years old.

If you are interested in these programs or want to inquire about eligibility for EOPS/CARE/CAFYES, call (559) 325-5230.

## Child Care Center

The Clovis Community College Child Development Center opened in the fall of 2007. The six-million dollar facility was funded through a collaboration with the State Department of Education, Clovis Unified School District, State Center Community College District, and First Five of Fresno and serves a dual role: providing high quality child development and child-care services for children and as a model demonstration site for students studying child development. The center is accredited by the National Association for the Education of Young Children and serves children between the ages of 18 months and five years. The center opens at 7:30am, Monday through Friday, and closes at 5:30pm every day but Monday, which closes at 4:00pm for weekly center staff meetings.

We offer full-day care for toddlers and preschoolers. We offer a half-day program only for children 3 to 5 years of age. Applications are available at the Child Development Center. Once the center is full, a waitlist is maintained. Applications must be resubmitted each March to remain on the waitlist.

Child development students and instructors use the program in three different ways:

1. Students observe teacher/child interactions, play, and use of materials and the environment for course work.
2. Students act as teacher assistants while taking practicum courses working under the supervision of the instructor of the course and the Early Childhood Specialist. Student teachers guide and interact with the children, and plan and implement curriculum.
3. Child Development interns work part time in the Child Development Center to gain the hours needed to apply for a California Child Development Permit through the Department of Education Teacher Credentialing Department.

## Academic Counseling

The Counseling Department provides comprehensive counseling services to assist students toward a successful college experience. Counselors help promote student development and success by coordinating quality services and programs that are focused on students' needs. The programs are designed to provide each student with individualized help in assessing personal interests and abilities, along with resolving personal issues and adjusting to college life.

The goal of Counseling Department programs is to facilitate the process by which students choose the appropriate courses and programs of study in order to earn a degree or certificate, transfer to a four-year university, and/or complete a vocational program. Counselors provide academic advising and assist students in the selection of courses and majors, along with developing a student education plan to achieve their educational goals. Counselors are available by appointment, on a walk-in basis, and online. The Counseling Department is located in Academic Center 2, Room 133 (AC2-133). For more information, call (559) 325-5230.

## Transfer Services

Transfer services assist students with the transition from Clovis Community College to a baccalaureate level college or university. These services provide a variety of informational resources for students about the Universities of California, California State Universities, California private colleges, and many out of state colleges. Additionally, special programs offer field trips to visit baccalaureate level colleges within California. Transfer services are available within the Counseling Department in AC2-133. For more information, call (559) 325-5230.

## Career Services

The Career Center is located in AC2-174 Career Services are available free of charge to all Clovis Community College students. A variety of computerized and paper assessments are subscribed to by the college to aid in personalized exploration of interests, skills, aptitudes, personality, and values that influence career choice. Career resources are available in the Career Center. All Clovis Community College counselors are qualified to help you select appropriate assessments, explore your selected career pathways, and create a Student Educational Plan (SEP) to help you achieve your career goal. For more information or to make a counseling appointment, call (559) 325-5230.

## Disabled Students Programs and Services (DSP&S)

DSP&S facilitates access through reasonable accommodations, academic adjustments and auxiliary aids for students with disabilities enrolled at Clovis Community College (CCC). A student with a disability (SWD) is a person enrolled at CCC who has a verified disability, which limits one or more major life activities resulting in an educational limitation. Student participation in the DSP&S program is voluntary and SWD needs to self identify to the CCC DSP&S office. A CCC DSP&S counselor will meet with SWD and through interactive discussion develop an individualized Academic Accommodation Plan.

Academic accommodations, adjustments, and auxiliary aids may include, but are not limited to: priority registration, note taking support, alternate format text material, reduced distraction test taking environment and extended time for test taking. Additional documentation and discussion may be needed if SWD requests academic accommodation, adjustment or aid that could fundamentally alter the course curriculum.

More information can be found by calling (559)325-5230, visiting [www.cloviscollege.edu/dps](http://www.cloviscollege.edu/dps) or emailing [dps@cloviscollege.edu](mailto:dps@cloviscollege.edu).

## Learning Disability Services

If you have a learning disability or suspect that you might have one, contact Disabled Students Programs and Services for more information about what services are available to help you. Contact Disabled Students Programs and Services at (559) 325-5230.

## Student Support Services Program (SSS)

The Student Support Services Program is a 100% federally funded TRIO Program. It is designed to provide enrichment services that will alleviate the educational and social barriers

which prevent students with disabilities from succeeding at the post-secondary level. Through the delivery of comprehensive academic, social, and personal services, the Student Support Services Program will promote and increase the retention and transfer rates of Clovis Community College's students with disabilities. Services include, but are not limited to, needs assessments, disability management, specialized tutorials, academic advising, personal counseling, assistive technology, academic enrichment materials, study strategies, learning skills, and social skills development. For more information, contact the SSS coordinator at (559) 325-5230.

## District Police

The State Center Community College District maintains a college police department at the District Office for the protection and safety of all people and property of the college district. All officers are certified by the California Peace Officer Standards and Training Commission and have the same powers and restrictions as any other law enforcement officer.

Furthermore, the SCCCD Police Department will investigate any incidents that may hinder or obstruct the educational and administrative process of the college. To report suspicious activities or ask for police assistance, call the District Police at (559) 244-5911.

## Financial Aid

### Financial Aid and Scholarships

The college provides financial assistance to as many students as possible through scholarships, grants, loans and job opportunities. The following programs are available to qualified students:

- Federal PELL Grants
- Federal Work Study
- Federal Supplemental Educational Opportunity Grants
- Boards of Governors Enrollment Fee Waiver
- Cal Grants
- Bureau of Indian Affairs Scholarships
- Other Institutional and Noninstitutional Scholarships
- Student Support Service Grants
- Federal Direct Student Loans

In order to be considered for financial aid, students must complete the Free Application for Federal Student Aid (FAFSA). For information on how to apply, visit the Clovis Community College Financial Aid website at <http://www.cloviscollege.edu/admissions-and-aid/financial-aid/index.html>.

The Financial Aid Office at Clovis Community College is located in AC2-141, or you may call (559) 325-5239.

## Return of Federal Financial Aid Based Upon Total Withdrawal

Students who withdraw from all their classes within 60% of a semester will be reviewed by the Financial Aid Office to determine if all or part of any federal financial aid received must be returned to the federal government.

## Satisfactory Progress for Financial Aid

To be eligible to receive federal and state financial aid, Clovis Community College students must be enrolled in an eligible program for the purpose of completing an AA/AS degree, transfer requirements, or an approved certificate program. Students must maintain a minimum cumulative grade point average (GPA) of 2.0 and complete at least 67 percent of their units attempted. Students may not continue to participate in financial aid programs after they have attempted 90 units (excluding up to 30 remedial units and all ESL units).

Students who received less than the minimum GPA requirement or fail to complete at least 67 percent of the cumulative units attempted, will lose their financial aid eligibility until they reestablish satisfactory progress. Financial Aid Progress standards are separate and apart from the institutional academic satisfactory progress standards.

Students may submit a written appeal to the Financial Aid Office to continue their financial aid eligibility. The Financial Aid Appeals Committee reviews all appeals. Appeals requires a Student Education Plan (SEP) signed by an academic counselor and an explanation of why the minimum requirements were not met. You can view the SAP policy on our website [http://www.cloviscollege.edu/\\_uploaded-files/\\_documents/admissions-and-aid/satisfactory-academic-progress-policy.pdf](http://www.cloviscollege.edu/_uploaded-files/_documents/admissions-and-aid/satisfactory-academic-progress-policy.pdf)

## Gainful Employment

The US Department of Education requires colleges to disclose certain information for any financial aid eligible certificate program that “prepares students for gainful employment in a recognized occupation”. This information includes program costs; occupations that the program prepares students to enter; occupational profiles; on time completion rate; and for the most recent award year: the number of students who have completed the program, the number of students who complete the program within the estimated duration, and the private loan debt incurred by those who complete the program. We have provided a helpful guide to critical information about certificates available on our website: <http://www.cloviscollege.edu/academics/gainful-employment/index.html>

## Ayuda Financiera

### Ayuda Financiera y Becas

Clovis Community College provee ayuda financiera al mayor número posible de estudiantes a través de becas, préstamos y oportunidades de trabajo. Los siguientes programas están disponibles para los estudiantes que califiquen:

- Becas Federales Pell
- Programas de Estudio y Trabajo
- Becas Federales Complementarias para la Oportunidad Educativa
- Exención de cuotas de inscripción de la Junta de Gobernadores (BOG)
- Becas Cal de California (Cal Grant)
- Departamento de Becas en Asuntos Indios
- Otras becas Institucionales y no-Institucionales
- Becas de Programas de Servicios para Estudiantes
- Préstamos Federales Directamente para Estudiantes

Para ser considerados para ayuda financiera, estudiantes deben completar la Solicitud Gratuita de Ayuda Federal para Estudiantes (FAFSA).

### Avance Satisfactorio de la Ayuda Financiera

Para ser elegible para recibir ayuda financiera federal y estatal, estudiantes tienen que estar matriculados en un programa elegible, un AA/AS certificado, o transferible a una institución de 4 años.

Estudiantes deben mantener un promedio acumulado mínimo (GPA) de 2.0 y completar al menos el 67 por-ciento de unidades. Estudiantes no pueden continuar recibiendo en programas de ayuda financiera después de que han intentado 90 unidades (excluyendo hasta 30 unidades correctivas y ESL). Los estudiantes que recibieron menos que el requisito mínimo de GPA o fallan en completar al menos el 67 por-ciento de las unidades intentadas, perderá su elegibilidad de ayuda financiera hasta restablecer el progreso satisfactorio.

Normas de progreso de ayuda financiera están separadas y aparte de las normas de progreso satisfactorio académico institucional debido a las regulaciones federales. Los estudiantes que están a prueba de progreso de ayuda financiera no son elegibles para solicitar un préstamo, incluso si son aún o elegibles para recibir asistencia de becas.

Si los estudiantes tuvieron una situación que los impidió de cumplir el año con buen rendimiento académico los estudiantes pueden presentar una apelación por escrito a la oficina de ayuda financiera. El comité de apelación revisa todas las apelaciones. Las apelaciones requieren un Plan de Educación para el Estudiante (SEP) firmado por el consejero y una explicación de por qué no se cumplieron los requisitos mínimos. Dependiendo en que información ha sido previsto determinara el comité determinara re-integrado para recibir ayuda financiera.

## Health and Psychological Services

Health Services and Psychological Services are integrated programs at Clovis Community College. We believe in a holistic approach to health. Our mission is to improve the physical, mental, and social health of our students and to strengthen and inspire the well-being of the entire college community. We know that good health is essential to success. Our goal is to provide students with the information and services they need to maintain wellness, not only throughout their academic career, but for a lifetime.

### Health Services

Health Services supports student success through a variety of services and activities that promote health and wellness. Information is provided to students in a variety of methods including personal consultations with the registered nurse, handouts and brochures available at the health office, classroom presentations on a variety of college health topics, online college health resource information, and outreach events. Health Services provides health and mental health services including, but not limited to, health screenings for vision, hearing, blood pressure, and diabetes; depression screenings; stress, sleep, and self-care counseling; referrals to psychological services; illness and injury evaluation, care and referral; birth control counseling; Tuberculosis (TB) skin testing; and Flu Shots. In addition, free condoms, over-the-counter medications and personal care items are available at the Health Office. The Health Services Office is located in AC2-274 West. Office hours are Mon-Fri 8:00 am to 4:00 pm. We are closed 11:30 to 12:30 for lunch. To schedule an appointment with the registered nurse, call (559) 325-5318.

### Psychological Services

Psychological Services is an integrated program within Health Services designed to serve students who are experiencing stress or other emotional difficulties. Frequently, these difficulties can affect a student's ability to function effectively in social, academic, or work settings. To assist students in overcoming these challenges, we offer individual brief therapy and group therapy. We provide assistance and/or appropriate referral for issues such as anxiety, depression, grief, loss, identity struggles, relationship difficulties, substance abuse, stress and/or test anxiety. We strive to offer a safe and positive place for students to address these difficulties. In order to access complementary campus Psychological Services, you must complete a "Request for Psychological Services" form available in the Health Services Office, AC2-274 West. The Psychological Service Office is located in AC2-278B. General office hours are Monday through Wednesday 8:00 am to 5:00 pm; Thursday 1:00 pm to 5:00 pm; and Friday 8:00 am to 5:00 pm, however, hours may vary. For the most up-to-date information on Psychological Services office hours, please contact Health Services at (559) 325-5318.

## Job Placement Information

Current job openings from local employers are available in the Career Center, (AC2-174). Listed jobs include full-time, part-time, and seasonal employment. For general information or providing employment listings, call (559) 325-5398.

## Library - Learning Resources Center

The Clovis Community College Library is located in AC2-148 and offers a wide array of resources and services to students, faculty, and staff. Study rooms are available for quiet or group study session and a large reading area provides comfortable seating with work tables. Over 16,000 print books, 25 magazines and newspapers, and 850 audiobooks and DVDs are available in the library. 200,000 eBooks, 45 research databases, streaming music, videos, and audiobooks, and the full-text New York Times are accessible on campus and remotely. A course reserve collection offers students access to a selection of course materials in the library. Also available are twenty desktop computers, 28 laptops and dozens of calculators with checkout privileges, 10 tablets for student use in the library, headphones, whiteboards, and charging stations. The online library catalog allows users to search and request print circulating materials from all four libraries in the State Center Community College district. Inter Library loan services provide access to print resources from participating libraries outside the district. One-on-one research assistance is always available. Visit our library website at <https://www.cloviscollege.edu/student-services/library/index.html>

## Lost and Found

Lost and found items are kept in two locations: Student Activities (AC1-160), and Admissions and Records (AC2-130). Students should be prepared to show identification and must sign for their items.

## Student Insurance

All students are provided with an accident insurance policy that covers them while on campus. HEALTH INSURANCE IS MANDATORY FOR ALL INTERNATIONAL STUDENTS.

Students participating in intercollegiate competition are covered by a special college-paid athletic insurance plan for athletic related injuries.

## Public Information Office

The Public Information Office provides on- and off-campus public relations, marketing, and promotion for the college. All advertising, media relations, and sports information are the responsibility of the Public Information Office. Brochures, class schedules, the college catalog, press releases, videos, sports programs, the college website, and the campus newsletter are all produced by the Public Information Office, using the most advanced techniques

in multimedia and graphic design. The Public Information Office also reviews all publications produced by other Clovis Community College campus offices prior to on- or off-campus printing. Contact (559) 325-5242.

## Photo and Videotape Policy

Clovis Community College takes photos and videos of students throughout the year. These images often include students in classrooms, study areas, athletic events, etc. Clovis Community College reserves the right to use these photographs as a part of its publicity and marketing efforts. Students who enroll at Clovis Community College do so with the understanding that these photographs might include them and might be used in college publications, both printed and electronic, and for publicity. Contact the Public Information office at (559) 325-5242.

## TRIO Programs

Students Support Services (SSS) and Science Technology Engineering and Mathematics (STEM) are free Federal TRiO programs that serve students who are first generation, low-income, or have a disability. The programs provide academic support and guidance to help students meet the challenges of obtaining a degree and/or transferring to a four year university. Other services include free field trips, priority registration, and scholarship opportunities. Program participants are required to participate in an orientation and three counseling appointments per semester.

If you are interested in the TRIO Programs or have questions regarding eligibility please call (559) 325-5230.

## Tutorial Services

The Clovis Community College Tutorial Center offers free peer tutoring in most academic subjects. Qualified and trained peer tutors are available to students with course-specific assignments, concepts, or essays, as well as help with general study strategies that will serve students throughout their education. Students may make one-on-one or group tutoring appointments for writing; all other subjects are offered on a walk-in basis. Hours may vary by subject. The Tutorial Center also offers additional services such as Comm lab, V.E.T.S. (Veterans Educational Tutoring Services), and extended hours during PowerUp Week. Please visit the Tutorial Center in AC1-137 or call 325-5248 for more information.

## Veterans Services

Clovis Community College administers a variety of educational programs for eligible veterans. In addition, there are educational benefits for dependents (spouses and/or children) of veterans under the Survivors'

and Dependents' Educational Assistance Program. A veterans counselor is available in the Counseling Office in Academic Center 2 (AC2-133). The following students may be eligible for veteran's educational benefits:

1. Veterans who were separated from active duty with the armed forces within the past 10 years who participated in the following programs.
  - a. Montgomery GI Bill - Active Duty Educational Assistance program (Chapter 30). 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 website at <https://www.benefits.va.gov/gibill>.
  - b. Montgomery GI Bill - Selected Reserve Educational Assistance Program (Chapter 1606)
  - c. VEAP (Chapter 32) - Contributed to VEAP or Section 903 - Military service beginning on or after January 1, 1977 and ending on or before June 30, 1985
  - d. Vocational Rehabilitation (Chapter 31) - Veterans who served in the Armed Forces are eligible for vocational rehabilitation if they suffered a service-connected disability while on active service which entitles them to compensation, or would do so except for the receipt of retirement pay. The Veterans' Administration (VA) determines a veteran's need for vocational rehabilitation to overcome the handicap of his/her disabilities.
2. Spouses and/or children of the following categories of veterans may be eligible for the Dependents' Educational Assistance Program:
  - a. Veterans who died or are 100 percent permanently disabled as the result of a service-connected disability. The disability must arise out of active service in the Armed Forces.
  - b. Veterans who died from any cause while such service-connected disability was in existence.
  - c. Service persons missing in action or captured in the line of duty by a hostile force.
  - d. Service persons forcibly detained or interned in the line of duty by a foreign government or power.

## Approved Majors

All AA AA-T, AS, AS-T, ADT's and certificate programs at Clovis Community College are approved majors for veterans education benefits. Additionally some articulated transfer programs to the CSU and UC systems as well as private institutions have been approved. Students should inquire about their particular major at the time of application.

### Evaluation of Previous Education/Training, CFR S21.4253 (d) (3)

As required by federal law Clovis Community College will conduct an evaluation of previous education and training, grant appropriate credit, and notify the VA and student of transfer credit granted. Students applying for veterans benefits must submit transcripts from all prior college and universities attended as well as military training transcripts PRIOR to having their benefits processed regardless of whether or not the student, counselor, or certifying official believe that any transfer credit will be granted.

### Standards of Progress, CFR S21.4253 (d) (1) (ii)

A Veteran or eligible person must meet the academic requirements detailed within the Academic Regulations section of this Catalog.

### Veterans Dependent Fee Waiver

Dependents of veterans with disabilities (spouses and/or children) may be eligible to receive tuition free assistance at any California post-secondary educational institution (community college, state universities, and/or university). Additional information may be obtained from the Counseling Office.



# STUDENT ACTIVITIES

## Student Government/Associated Students

The Associated Student Government (ASG) is the student government of the college.

The legislative power of the Associated Students is vested in an executive senate whose members are elected by the student body. This senate is composed of student body officers and student representatives. Officers must meet the grade and unit requirements as stated in the constitution as well as California Education Code.

The student representation fee, collected at the time of registration, supports advocacy efforts by the ASG. The ASG's executives exert budgetary control and determine management policy for all operations, services, and activities sponsored by the ASG. The Student Senate meets every Wednesday at 3:00 p.m. in AC2-276. All interested persons are encouraged to attend. For further information, please contact the Student Activities Office at telephone number (559) 325-5243.

## Clubs and Organizations

The college's many clubs and organizations provide opportunities for personal development, leadership training, and enrichment of college life. The various organizations include service organizations, religious affiliations, professional interests, athletics, and other special interest clubs. New clubs are formed to meet the needs and special interests of students.

For information on how to start a campus club and/or a current list of campus organizations, stop by the Student Activities Office located in Academic Center 1, room 160 (AC1-160).

## Establishing New Clubs

To be officially recognized, a club must have a minimum of seven participating members, a program of approved activities, regular meetings, an approved constitution, and a full-time faculty sponsor. Those considering organizing a new club must consult and plan with the Coordinator of College Activities.

## Publications

Students have the opportunity to work on the Write Now newsletter, which is published by students working in the Clovis Community College Tutorial Center. The Review magazine, a collaboration between the Art and English Departments, is published during the spring semester and showcases exemplary student writing and art work.

## Music Activities

Students enrolled in concert choir (MUS-31) hold performances each semester, and perform during the Clovis Community College commencement ceremony.

## Athletics

As the 113th California Community College and keeping with the mission statement of "Creating Opportunities One Student at a Time", Clovis Community College has created an Athletic Program that offers an opportunity for Athletic participation both the Fall and Spring semesters. Clovis Community College offers both men's and women's programs in the sports of soccer, cross country, and swim/dive.

Clovis Community College is a member of the Central Valley Conference comprised of 10 colleges. Clovis Community College is also a member of the California Community College Athletic Association (CCCAA) comprised of 108 colleges. Clovis Community College competes against members of our conference, but also competes with colleges throughout the state in preseason competition. This college is committed to meeting the requirements of Title IX when deciding on program offerings and resource allocation.

The student-athletes are held to a standard of academics, through our student-athlete academic success program called the Crush Academy. This program monitors student progress as well as assists with transfer and other goals, established by the student-athlete in their first semester of participation at Clovis Community College. The student-athletes are also prescreened by our athletic trainer and team physician to ensure the student-athlete is also physically capable of enduring the rigors of participation on an intercollegiate team.

# ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS TABLE

	Program	Type	Major Code	Catalog Page
1	Accounting	AS	C.2010.AS	72
2	Accounting	CA	C.2010.CA	72
3	Administration of Justice	AS-T	C.8880.AS-T	105
4	Anthropology	AA-T	C.7150.AA-T	106
5	Art History	AA-T	C.5204.AA-T	107
6	Art: Two-Dimensional	AA	C.520A.AA	73
7	Biology	AS-T	C.6101.AS-T	109
8	Business Administration	AS-T	C.2050.AS-T	109
9	Business Administration: Accounting	AS	C.205A.AS	75
10	Business Administration: Entrepreneur	AS	C.205B.AS	75
11	Business Administration: General Business	AS	C.205C.AS	75
12	Business Administration: Information Systems Management	AS	C.205D.AS	75
13	Business Administration: Management	AS	C.205F.AS	75
14	Business Administration: Managerial Assistant	CA	C.2180.CA	76
15	Business Administration: Marketing	AS	C.205G.AS	75
16	Business Intern	CA	C.204E.CA	76
17	Business Intern	CN	C.2042.CN	75
18	California State University General Education (CSU-GE) Breadth	CA	C.5800.CA	81
19	Child Development	AS	C.5610.AS	78
20	Child Development	CA	C.5610.CA	79
21	Child Development Associate Teacher	CA	C.561Q.CA	77
22	Child Development Early Childhood Education	AS-T	C.5605.AS-T	110
23	Child Development Early Intervention Assistant	CA	C.561R.CA	79
24	Child Development Elementary Teacher Education	AA-T	C.5891.AA-T	111
25	Child Development/Teacher	CA	C.561S.CA	78
26	Civil Engineering	AS	C.3011.AS	85
27	Civil Engineering	CA	C.3011.CA	85
28	Communication	AA	C5342.AA	79
29	Communication Studies	CA	C.5343.CA	80
30	Communication Studies	AA-T	C.5345.AA-T	112
31	Computer or Software Engineering	AS	C.3013.AS	86
32	Computer or Software Engineering	CA	C.3013.CA	86
33	Computer Science	AS	C.6920.AS	80
34	Criminal Justice: Law Enforcement	AS	C.888A.AS	84
35	Criminology: Corrections	AS	C.888B.AS	83
36	Criminology: Corrections	CA	C.888B.CA	83
37	Criminology: Law Enforcement	CA	C.888A.CA	84
38	Cyber Security	CA	C.6932.CA	92
39	Drinking Water Treatment and Distribution	CA	C.8401.CA	104
40	Economics	AA-T	C.7200.AA-T	112
41	Electrical Engineering	AS	C.3012.AS	87
42	Electrical Engineering	CA	C.3012.CA	87
43	English	AA	C.5300.AA	89
44	English	AA-T	C.5301.AA-T	113
45	Entry Level Management	CN	C.2180.CN	76

AA-T: Associate in Arts for Transfer Degree  
 AA: Associate in Arts Degree  
 CA: Certificate of Achievement

AS-T: Associate in Science for Transfer Degree  
 AS: Associate in Science Degree  
 CN: Certificate In (not transcribed)

# ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS TABLE

	<b>Program</b>	<b>Type</b>	<b>Major Code</b>	<b>Catalog Page</b>
46	Environmental Science	AS-T	C.6000.AS-T	114
47	Food Safety and Quality Technician	CA	C.5690.CA	90
48	Foreign Language	AA	C.5500.AA	90
49	Geography	AA-T	C.7300.AA-T	115
50	Health Care Administration	AS	C.4501.AS	91
51	Health Care Interpreter	CN	C.4501.CN	91
52	History	AA-T	C.7380.AA-T	116
53	Information Systems	CA	C.6930.CA	93
54	Information Systems: Networking	AS	C.693B.AS	92
55	Information Systems: Networking	CA	C.693B.CA	94
56	Information Systems: Programming for the Web	AS	C.693C.AS	93
57	Information Systems: Programming for the Web	CA	C.693C.CA	95
58	Information Systems: Web Design	AS	C.693D.AS	93
59	Information Systems: Web Design	CA	C.693D.CA	95
60	Information Technician Support	CA	C.693F.CA	95
61	Information Technology Support Technician	CA	C.6931.CA	96
62	Intersegmental General Education Transfer Curriculum (IGETC)	CA	C.5801.CA	82
63	Kinesiology	AA-T	C.1270.AA-T	117
64	Liberal Arts & Sciences: Arts & Humanities	AA	C.5120.AA	97
65	Liberal Arts & Sciences: Natural Sciences	AA	C.5130.AA	97
66	Liberal Studies	AA	C.5890.AA	98
67	Life Science	AS	C.6102.AS	73
68	Management	AS	C.2180.AS	76
69	Mathematics	AS	C.6200.AS	99
70	Mathematics	AS-T	C.6200.AS-T	118
71	Mechanical, Aerospace, or Manufacturing Engineering	AS	C.3014.AS	88
72	Mechanical, Aerospace, or Manufacturing Engineering	CA	C.3014.CA	88
73	Mechatronics/Industrial Automation	AS	C.8391.AS	100
74	Mechatronics/Industrial Automation	CA	C.8391.CA	100
75	Medical Office Administration	CA	C.4502.CA	100
76	Philosophy	AA-T	C.5710.AA-T	119
77	Physical Education	AA	C.4200.AA	101
78	Physical Science	AS	C.6300.AS	102
79	Physics	AS-T	C.3664.AS-T	120
80	Political Science	AA-T	C.7450.AA-T	121
81	Psychology	AA-T	C.7550.AA-T	122
82	Rehabilitation Aide	CA	C.4500.CA	102
83	Small Business Management	AS	C.2030.AS	77
84	Small Business Management	CA	C.2030.CA	77
85	Social Justice Studies	AA-T	C.7611.AA-T	122
86	Social Science	AA	C.7410.AA	103
87	Sociology	AA-T	C.7610.AA-T	123
88	Spanish	AA-T	C.5550.AA-T	124
89	Studio Arts	AA-T	C.5203.AA-T	108
90	Wastewater Treatment	CA	C.8400.CA	103

AA-T: Associate in Arts for Transfer Degree  
 AA: Associate in Arts Degree  
 CA: Certificate of Achievement

AS-T: Associate in Science for Transfer Degree  
 AS: Associate in Science Degree  
 CN: Certificate In (not transcribed)

# ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

## ACCOUNTING

### ACCOUNTING

(Major #C.2010.AS)

ASSOCIATE IN SCIENCE DEGREE

#### **Program Learning Outcomes**

1. Apply knowledge of accounting concepts, computer spreadsheets, word processing, and ten-key calculator to solve business transactions.
2. Use accounting techniques and skills to record accounting transactions.
3. Demonstrate ability to make informed business decisions based on an in-depth understanding of accounting principles and ethics.
4. Demonstrate ability to communicate business and accounting information effectively, orally, in writing, and graphically.
5. Analyze the impact of accounting in a global business and societal context.
6. Prepare and analyze basic financial and managerial statements and schedules.
7. Demonstrate improved preparation for employment in the accounting field.

Completion of this course of study prepares a student for entry level positions in bookkeeping/accounting. A student becomes conversant in business and accounting terminology enhancing their ability to work with coworkers and analyze and record business transactions in a manual or computerized accounting system. A student acquires the skills to use computer equipment and software common to many organizations for analysis, budgeting and financial statement preparation.

The Associate in Science Degree in accounting combines an in-depth understanding of accounting principles with a breadth of business knowledge. A student who completes the outlined course of study is prepared for entry-level employment in the accounting field. These students acquire skills in basic accounting, both manual and computerized. The students learn managerial, cost, and manufacturing accounting skills which, in addition to preparing accounting data, enable them to analyze and make appropriate managerial decisions. They not only develop skills to use word processing and spreadsheet applications but also to help them with oral and written communication.

#### **Business Department Core**

BA 5	Business Communications.....	3
BA 10	Introduction to Business.....	3
IS 15	Computer Concepts.....	3
	<b>Total .....</b>	<b>9</b>

#### **Major Courses, Select two (2)**

BA 18	Business Law and the Legal Environment.....	4
BA 52	Introduction to Entrepreneurship .	3
ECON 1A	Principles of Macroeconomics .....	3
ECON 1B	Principles of Microeconomics .....	3
MKTG 10	Marketing .....	3
	<b>Total .....</b>	<b>6-7</b>

#### **Select one (1)**

BA 39	Finite Mathematics for Business.....	3
STAT 7	Elementary Statistics.....	4
	<b>Total .....</b>	<b>3-4</b>

**Total Units .....** 33.5-35.5

*Advisor: Castaneda*

### ACCOUNTING

(Major #C.2010.CA)

CERTIFICATE OF ACHIEVEMENT

#### **Program Learning Outcomes**

1. Use appropriate accounting vocabulary to communicate effectively in the business environment.
2. Apply proper accounting principles in the process of journalizing various accounting transactions.
3. Use critical thinking to analyze accounting data or information in order to prepare financial statements or a report evaluating that information.

Completion of this course of study prepares a student for entry level positions in bookkeeping/accounting. A student becomes conversant in business and accounting terminology enhancing their ability to work with coworkers and analyze and record business transactions in a manual or computerized accounting system. A student learns to use computer equipment and software common to many organizations for analysis, budgeting and financial statement preparation.

<b>Required Core Courses..... 21.5</b>	
ACCTG 4A	Financial Accounting ..... 4
ACCTG 4B	Managerial Accounting..... 4
ACCTG 31	Computerized Accounting ..... 3
BA 10	Introduction to Business..... 3
IS 15	Computer Concepts ..... 3
IS 18	Spreadsheet Fundamentals ..... 1.5
<b>Electives</b>	
ACCTG 40	Applied Accounting ..... 3
Or	
BA 33	Human Relations In Business..... 3
<b>Total ..... 21.5 units</b>	

Advisor: Castaneda

## ART

### Program Learning Outcomes:

1. Apply knowledge of the elements and principles of design to the description and/or production of artwork.
2. Communicate effectively in one or more of the following ways; verbally, written and visually with emphasis on concepts of content and form.
3. Understand the impact of the visual arts in a personal, cultural and global context.
4. Apply knowledge of techniques and media through production and description of artwork.
5. Evaluate and analyze the strengths and weaknesses of an artworks' effectiveness to visually communicate.
6. Solve visual problems through the artistic process.

### ART - TWO-DIMENSIONAL PROGRAM

(MAJOR #C.520A.AA)

#### ASSOCIATE IN ARTS DEGREE

AA Art Degree is designed to give students basic skills in 2D or 3D composition, an introductory level knowledge of art history and computer digital art familiarity. The primary focus is to prepare students for transfer into four-year art programs. Students completing the computer art program will be prepared for certain entry-level positions in the computer digital field.

Select from the following studio art courses: ..... 12	
ART 1	Art Basics: 2/3 Dimensional Design OR
ART 3	Two-Dimensional Design ..... 3
ART 7	Beginning Drawing..... 3
ART 9	Beginning Painting: Oil and Acrylic..... 3
ART 13	Beginning Watercolor Painting ..... 3

ART 17	Intermediate Drawing ..... 3
ART 19	Intermediate Painting: Oil/Acrylic ..... 3
ART 23	Intermediate Watercolor Painting ..... 3
Select two courses from the following: ..... 6	
ART 2	Art Appreciation ..... 3
ART 5	Art History 1..... 3
ART 6	Art History 2 or
ART 6H	Honors Art History 2..... 3
FILM 1	Introduction to Film Studies ..... 3
PHOTO 1	Introduction to Digital Photography ..... 3
Select from the following computer courses: ..... 6	
ART 30A	Illustrator®: Beginning Computer Drawing and Design ..... 3
ART 30B	Illustrator®: Intermediate Computer Drawing and Design ..... 3
ART 37A	Photoshop®: Digital Visual Art..... 3
ART 37B	Photoshop®: Intermediate Digital Visual Art ..... 3
ART 41	Computerized Multimedia ..... 3
ART 42	Computer Animation/3D ..... 3
ART 44	Digital Video Editing ..... 3
Total Units ..... 24	

Advisors: S. Dent, Johnson, King, Ledgerwood

## BIOLOGICAL SCIENCES

### Program Learning Outcomes:

1. Demonstrate basic knowledge of comparative anatomy and comparative physiology
2. Demonstrate basic microscopic techniques required for all Biology fields
3. Critically evaluate scientific research

### LIFE SCIENCE

(MAJOR #C.6102.AS)

#### ASSOCIATE IN SCIENCE DEGREE

The students will be able to identify the phyla/classes of organisms, their structures, and physiology. The students will know the human body macroscopically to the organ-system level and the microscopic/ histological level. The students will have the hands on experience and be able to work with the equipment in a health setting such as an EKG machine, otoscope, microscope, spectrophotometer, autoclave, etc. The students will have a basic understanding of aseptic transfer, microbiological techniques, and pathogenicity.

**Take a total of 18 minimum units..... 18**

<b>Take a minimum of 8 units from: ..... 8</b>	
BIOL 3	Introduction to Life Science ..... 4
BIOL 5	Human Biology ..... 4
BIOL 10	Introduction to Life Science Lecture ..... 3
BIOL 10L	Introduction to Life Science Lab..... 1
BIOL 11A	Biology for Science Majors I ..... 5
BIOL 11B	Biology for Science Majors II ..... 5
BIOL 20	Human Anatomy ..... 4
BIOL 22	Human Physiology..... 5
BIOL 31	Microbiology..... 5
<b>Take a minimum of 3 units from: ..... 3</b>	
CHEM 1A	General Chemistry ..... 5
CHEM 1B	General Chemistry and Qualitative Analysis ..... 5
CHEM 3A	Introductory General Chemistry ..... 4
CHEM 3B	Introductory and Biological Chemistry ..... 3
PHYS 2A	General Physics 1 ..... 4
PHYS 2B	General Physics 2 ..... 4
PHYS 4A	Physics for Scientists and Engineers ..... 4
PHYS 4B	Physics for Scientists and Engineers..... 4
PHYS 4C	Physics for Scientists and Engineers ..... 4
	Total Units ..... 18

Other recommended courses: Chemistry 8 or 28A, 28B, 29A, 29B; Mathematics 5A, 5B

Advisors: Alcazar, Hile, Fallon, Nearn, Rutledge

## BUSINESS ADMINISTRATION

### Program Learning Outcome:

1. Define Business, list the five functions of business, and describe each function.
2. Utilize effective oral communication skills in a variety of situations (including one-on-one and group presentations) and using a variety of formats.
3. Write effective business letters, memos, research papers, and other documents.
4. Conduct research using a variety of resources including published documents and web based resources.

5. Effectively and efficiently use technology (commonly used computers and software) as it relates to the world of business.
6. Discuss the basic accounting concepts and financial statements used regularly in business.
7. List and describe the major forces influencing human behavior in the workplace

## BUSINESS ADMINISTRATION

### ASSOCIATE IN SCIENCE DEGREE

A student who completes this degree will be prepared to assume responsibility for an entry or mid-level managerial position in an organization. This degree provides students with a broad knowledge of modern business and management theories through a carefully structured core curriculum consisting of courses in accounting, economics, management, and computer information systems. Multiple options are available including: accounting, administration, entrepreneurship, general business, information systems, management, and marketing.

At the time of graduation, a student completing the courses of study will be able to:

- interpret the functions of business
- prepare, read, analyze and communicate financial information
- use financial information in decision-making
- understand of the duties of a manager: planning, organizing, directing, and controlling
- understand the fundamental legal concepts and their application to business
- understand basic business computer applications
- utilize written and oral communication skills

### Business Administration Core

BA 5	Business Communications..... 3
BA 10	Introduction to Business..... 3
BA 33	Human Relations in Business.....3*
ECON 1A	Principles of Macroeconomics .....3*
ECON 1B	Principles of Microeconomics .....3*
IS 15	Computer Concepts.....3***

### Select one from the following ..... 1

BA 19V	Cooperative Work Experience, Business..... 1
BA 27	Students in Free Enterprise SIFE/Collegiate Entrepreneurs Organization ..... 1
BA 47	Careers-Business..... 1

### Select one from the following ..... 4

ACCTG 4A	Financial Accounting ..... 4
ACCTG 40	Applied Accounting ..... 4

### Select one from the following .....3-4

BA 39	Finite Mathematics for Business .3**
STAT 7	Elementary Statistics.....4**

**COMPLETE ONE OF THE FOLLOWING OPTIONS:**

**Accounting Option ..... 11**

(MAJOR #C.205A.AS)

ACCTG 4A	Financial Accounting .....	4
ACCTG 4B	Managerial Accounting.....	4
ACCTG 31	Computerized Accounting .....	3

**Entrepreneurship Option ..... 9**

(MAJOR #C.205B.AS)

BA 38	Operation of the Small Business.....	3
BA 52	Introduction to Entrepreneurship.....	3
MKTG 10	Marketing .....	3

**General Business Option ..... 9**

(MAJOR #C.205C.AS)

Select 9 units from the following:

ACCTG 4A	Financial Accounting .....	4
ACCTG 4B	Managerial Accounting.....	4
ACCTG 31	Computerized Accounting .....	3
BA 15	Introduction to Management.....	3
BA 38	Operation of the Small Business....	3
BA 52	Introduction to Entrepreneurship .....	3
IS 40A	Web Development with HTML, CSS, and JavaScript.....	3
IS 60	Operating Systems.....	2
IS 62	Computer & Communication Essentials - Troubleshooting and Maintenance.....	4
MKTG 10	Marketing .....	3
MKTG 11	Salesmanship .....	3
MKTG 12	Advertising and Promotion.....	3

**Information Systems Management Option . 9**

(MAJOR #C.205D.AS)

IS 18	Spreadsheet Fundamentals .....	1.5
IS 40A	Web Development with HTML, CSS, and JavaScript.....	3
IS 60	Operating Systems.....	2
IS 62	Computer & Communication Essentials - Troubleshooting and Maintenance.....	4

**Management Option..... 9**

(MAJOR #C.205F.AS)

BA 15	Introduction to Management.....	3
BA 38	Operation of the Small Business.....	3
MKTG 10	Marketing .....	3

**Marketing Option..... 9**

(Major #C.205G.AS)

MKTG 10	Marketing .....	3
MKTG 12	Advertising and Promotion.....	3
MKTG 11	Salesmanship .....	3

*Of the core courses, some courses meet graduation/GE requirements for the AS degree.*

\*Fulfills GE Area B2 Requirement

\*\*Fulfills GE Math Requirement

\*\*\*Fulfills GE Familiarity with Computer Concepts Requirement.

*Advisors: Alanis, Castaneda*

**BUSINESS INTERN**

(MAJOR #C.2042.CN)

**CERTIFICATE IN**

Students who complete the outlined course of study will be prepared for entry-level positions in the world of business. They will have acquired the necessary skills, education, and classroom experience to understand basic business concepts and be able to contribute these skills in any entry-level position in business.

ACCTG 40	Applied Accounting .....	4
BA 10	Introduction to Business.....	3
BA 33	Human Relations in Business.....	3
BA 38	Operation of the Small Business....	3
BA 47	Careers-Business.....	1
IS 10	Keyboarding.....	1
IS 15	Computer Concepts .....	3

**Total Units ..... 18**

*Advisors: Alanis, Castaneda*

**BUSINESS INTERN**

(MAJOR #C.204E.CA)

**CERTIFICATE OF ACHIEVEMENT**

Students who complete the outlined course of study will be prepared for entry-level and first-line supervisory positions in the world of business. They will have acquired the necessary skills, education, and classroom experience to understand how businesses function, how small businesses are financed and managed, and the importance of employee motivation in the workplace. They will be able to apply these skills immediately in the workplace.

ACCTG 40	Applied Accounting .....	4
BA 18	Business and the Legal Environment.....	4
BA 38	Operation of the Small Business....	3
BA 47	Careers-Business.....	1
IS 15	Computer Concepts .....	3
MKTG 10	Marketing .....	3
<b>Total Units .....</b>		<b>18</b>

*Advisors: Alanis, Castaneda*

**ENTRY LEVEL MANAGEMENT**

(MAJOR #C.2180.CN)

**CERTIFICATE IN**

Students who complete the outlined course of study will be prepared for entry-level, first-line supervisory positions, especially in the retailing industry. They will have acquired the necessary skills, education, and classroom experience to understand basic management principles and be able to contribute these skills immediately to business firms.

ACCTG 4A	Financial Accounting .....	4
BA 10	Introduction to Business.....	3
BA 33	Human Relations in Business.....	3
BA 47	Careers-Business.....	1
IS 15	Computer Concepts .....	3
MKTG 10	Marketing .....	3
<b>Total Units .....</b>		<b>17</b>

*Advisors: Alanis, Castaneda*

**MANAGEMENT**

(MAJOR #C.2180.AS)

**ASSOCIATE IN SCIENCE DEGREE**

This associate degree is intended for students who wish to be successful in the business environment. The course of study will prepare the student for employment at both the beginning and intermediate levels of business positions along with beginning and intermediate levels of supervisory positions. They will have acquired the necessary skills, education, and classroom experience to understand how businesses function, the role that management plays in effective business operations, and the many facets of organizational behavior and employee motivation in the workplace. They will be able to apply these skills immediately in the workplace.

**Business Department Core ..... 13**

ACCTG 40	Applied Accounting .....	4
BA 5	Business Communications.....	3
BA 10	Introduction to Business.....	3
IS 15	Computer Concepts .....	3

**Management Courses:**

BA 15	Introduction to Management .....	3
BA 18	Business Law and the Legal Environment .....	4
BA 33	Human Relations in Business .....	3
BA 47	Careers-Business .....	1
MKTG 10	Marketing .....	3

**Select one (1):..... 3-4**

BA 39	Finite Mathematics for Business	
STAT 7	Elementary Statistics	
Select additional units from the following .....		3
ACCTG, BA, ECON, IS, or MKTG		

**Total Units ..... 33-34**

*Advisors: Alanis, Castaneda*

**MANAGERIAL ASSISTANT**

(MAJOR #C.2180.CA)

**CERTIFICATE OF ACHIEVEMENT**

Students who complete the outlined course of study will be prepared for intermediate supervisory positions as a managerial assistant. They will have acquired the necessary skills, education, and classroom experience to understand how businesses function, the role that management plays in effective business operations, and the many facets of organizational behavior and employee motivation in the workplace. They will be able to apply these skills in the workplace.

ACCTG 40	Applied Accounting .....	4
BA 5	Business Communications.....	3
BA 10	Introduction to Business.....	3
BA 15	Introduction to Management.....	3
BA 33	Human Relations in Business.....	3
BA 19V	Cooperative Work Experience, Business.....	1
IS 15	Computer Concepts .....	3
<b>Total Units .....</b>		<b>20</b>

*Advisors: Alanis, Castaneda*



**SMALL BUSINESS MANAGEMENT**

(MAJOR #C.2030.AS)

**ASSOCIATE IN SCIENCE DEGREE**

This associate degree is intended for students who wish to be successful in the business environment, especially those wishing to start, own, or operate a small business. The course of study will prepare the student to successfully operate a small business. They will have acquired the necessary skills, education, and classroom experience to understand how businesses function, the role that management plays in effective business operations, and the many facets of organizational behavior and employee motivation in the workplace. They will be able to apply these skills immediately in their efforts to establish a small business.

ACCTG 40*	Applied Accounting .....	4
BA 5	Business Communications.....	3
BA 10	Introduction to Business.....	3
IS 15	Computer Concepts .....	3
<b>Business/Marketing Courses:</b>		
BA 18	Business Law and the Legal Environment.....	4
BA 33	Human Relations in Business.....	3
BA 38	Operation of the Small Business ...	3
BA 47**	Careers-Business.....	1
MKTG 10	Marketing .....	3
<b>Select one: ..... 3-4</b>		
BA 39	Finite Mathematics for Business.....	3
STAT 7	Elementary Statistics.....	3
<b>Select additional 2-4 units from: ..... 2-4</b>		
Accounting, Business Administration, Economics, Information Systems or Marketing courses		
<b>Total Units .....</b>		<b>32-35</b>

*Advisors: Alanis, Castaneda*

**SMALL BUSINESS MANAGEMENT**

(MAJOR #C.2030.CA)

**CERTIFICATE OF ACHIEVEMENT**

ACCTG 40	Applied Accounting .....	4
BA 10	Introduction to Business.....	3
BA 18	Business Law and the Legal Environment.....	4
BA 33	Human Relations in Business.....	3
BA 38	Operation of the Small Business ...	3
BA 47	Careers-Business.....	1
IS 15	Computer Concepts .....	3
MKTG 10	Marketing .....	3
MKTG 12	Advertising and Promotion.....	3
<b>Total Units .....</b>		<b>27</b>

\* ACCTG 4A, Financial Accounting, (4 units) will be allowed as a substitute for ACCTG 40

\*\* BA27, Students in Free Enterprise SIFE, Collegiate Entrepreneurs Organization, (1 unit) will be allowed as a substitute for BA 47

*Advisors: Alanis, Castaneda*

**CHILD DEVELOPMENT**

**Program Learning Outcomes:**

1. Integrate understanding of the needs, the characteristics, and multiple influences on development of all children birth to age eight as related to high quality care and education of young children.
2. Analyze, demonstrate, and evaluated effective practice in working with young children.
3. Design, implement, and evaluate environments and activities that support positive developmental play and learning outcomes for all young children.
4. Apply effective guidance and interaction strategies that support all children’s social learning, identity, and self-confidence.
5. Apply ethical standards and professional behaviors that demonstrate understanding and knowledge, deepening the commitment to Early Care and Education profession.

**ASSOCIATE TEACHER**

(MAJOR #C.561Q.CA)

**CERTIFICATE OF ACHIEVEMENT**

This certificate provides the educational coursework that serves as the core curriculum for the early childhood education field and allows the student to work as a teacher in a private early care and education program. The student is also eligible to apply to the Commission on Teacher Credentialing for the Associate Teacher Child Development Permit. With an Associate Teacher Child Development Permit, an individual can work as an assistant or associate teacher in a publicly funded (Title 5) early care and education program.

CHDEV 1	Principles and Practices of Teaching Young Children .....	3
CHDEV 3	Introduction to Curriculum .....	3
CHDEV 19V	Cooperative Work Experience, Child Development .....	3
CHDEV 30	Child, Family, and Community .....	3
CHDEV 39	Child Growth and Development... ..	3
<b>Total Units .....</b>		<b>15</b>

*Advisors: Boynton, Romero, Turpen*

## CHILD DEVELOPMENT/TEACHER

(MAJOR #C.561S.CA)

## CERTIFICATE OF ACHIEVEMENT

As a result of completing this program, students will be prepared and qualified to work in Title 22 early care and education programs.

<b>Required Core Courses.....12</b>	
CHDEV 1	Principles and Practices of Teaching Young Children ..... 3
CHDEV 3	Introduction to Curriculum ..... 3
CHDEV 30	Child, Family, and Community ..... 3
CHDEV 39	Child Growth and Development .... 3

<b>Elective Courses (Select 6 units)..... 6</b>	
CHDEV 6	Health, Safety, and Nutrition in Early Childhood Education ..... 3
CHDEV 12	Child Abuse..... 3
CHDEV 15	Diversity and Culture in Early Care and Education Programs..... 3
CHDEV 17A	Infant and Toddler Practicum..... 3
CHDEV 20	Observation and Assessment..... 3
CHDEV 37A	Early Childhood Practicum ..... 3
CHDEV 47	Emergent Literacy..... 3
CHDEV 49	Guidance for Young Children ..... 3

**Total units ..... 18**

Advisors: Boynton, Romero, Turpen

## CHILD DEVELOPMENT

(MAJOR #C.5610.AS)

## ASSOCIATE IN SCIENCE DEGREE

The associate in science degree in child development is designed to prepare students to work with young children in a variety of early care and education settings. Upon completion of the A.S. degree, a student possesses the course work required to work as a teacher in both private and public early care and education settings serving preschool-age children. Additionally, students completing documented work experience are eligible to apply for the California Child Development Permit through the Commission of Teacher Credentialing at either the Teacher, Master Teacher, or Site Supervisor Level which qualifies the student to work in a State of California funded (Title 5) early care and education program.

<b>REQUIRED CORE COURSES ..... 24</b>	
CHDEV 1	Principles and Practices of Teaching Young Children ..... 3
CHDEV 3	Introduction to Curriculum ..... 3
CHDEV 6	Health, Safety and Nutrition in Early Childhood Education..... 3
CHDEV 15	Diversity and Culture in Early Care and Education

CHDEV 20	Observation and Assessment ..... 3
CHDEV 30	Child, Family, and Community..... 3
CHDEV 37A	Early Childhood Practicum ..... 3
CHDEV 39	Child Growth and Development..... 3

**CHOOSE ONE ADDITIONAL LAB FROM THE COURSES BELOW ..... 3**

*Course selection should be based on an area of specialization: Preschool; Infant/Toddler; School-Age; Early Intervention*

CHDEV 17A	Infant-Toddler Practicum..... 3
CHDEV 32	Early Intervention..... 3
CHDEV 37B	Advanced Practicum in Early Childhood Education..... 3

**CHOOSE ONE ADDITIONAL COURSE FROM BELOW ..... 3**

*Consideration for course selection should be based on a specialization or career goal. It is recommended that you seek guidance from Elizabeth Romero or Sallie Turpen selecting your course.*

CHDEV 5	Parent Education ..... 3
CHDEV 11	The Young Child With Special Needs ..... 3
CHDEV 12	Child Abuse..... 3
CHDEV 17A	Infant - Toddler Practicum ..... 3
CHDEV 17B	Advanced Infant and Toddler Development ..... 3
CHDEV 32	Early Intervention..... 3
CHDEV 37B	Advanced Practicum in Early Child Development..... 3
CHDEV 40A	Administration of Childhood Programs..... 3
CHDEV 40B	Advanced Administration of Childhood Programs..... 3
CHDEV 45	Supervision of Adults in ECE Classrooms ..... 2
CHDEV 47	Emergent Literacy ..... 3

CHDEV 49	Guidance for Young Children .....	3
	<b>Total Units .....</b>	<b>30</b>

*Advisors: Boynton, Romero, Turpen*

**CHILD DEVELOPMENT**

(MAJOR #C.5610.CA)

**CERTIFICATE OF ACHIEVEMENT**

The Certificate of Achievement in Child Development is designed to prepare students to work with young children in a variety of early care and education settings. Upon Completion of the Child Development Certificate of Achievement the student possesses the coursework required to work as a teacher in both a private or public early care and education setting serving preschool-age children. Additionally, with appropriate documented work experience, the student is eligible to apply for the California Child Development Permit through the Commission on Teacher Credentialing at the Associate Teacher Level.

CHDEV 1	Principles and Practices of Teaching Young Children .....	3
CHDEV 3	Introduction to Curriculum .....	3
CHDEV 6	Health, Safety and Nutrition in Early Childhood Education .....	3
CHDEV 15	Diversity and Culture in Early Care and Education Programs.....	3
CHDEV 20	Observation and Assessment .....	3
CHDEV 30	Child, Family, and Community .....	3
CHDEV 37A	Early Childhood Practicum .....	3
CHDEV 39	Child Growth and Development... ..	3
	<b>Total Units .....</b>	<b>24</b>

*Advisors: Boynton, Romero, Turpen*

**EARLY INTERVENTION ASSISTANT**

(MAJOR #C.561R.CA)

**CERTIFICATE OF ACHIEVEMENT**

Current legislation mandates that infants and young children with disabilities and other special needs, be served in the "natural environment", starting at birth. This certificate of achievement is designed to prepare students to work with infants, toddlers, and young children with disabilities and other special needs in early intervention settings and inclusive early care and education settings. A student who completes the certificate is qualified to work at the Early Intervention Assistant I level of the California Early Start Personnel Model.\*

CHDEV 3	Introduction Curriculum .....	3
CHDEV 6	Health, Safety and Nutrition in Early Childhood Education .....	3
CHDEV 11	The Young Child With Special Needs .....	3
CHDEV 15	Diversity and Culture in Early Care and Education Programs .....	3
CHDEV 17A	Infant and Toddler Practicum .....	3
CHDEV 20	Observation and Assessment .....	3

CHDEV 30	Child, Family, and Community .....	3
CHDEV 32	Early Intervention .....	3
CHDEV 39	Child Growth and Development... ..	3
CHDEV 49	Guidance for Young Children.....	3
	<b>Total Units .....</b>	<b>30</b>

Recommended courses: American Sign Language 1 and 2

*Advisors: Boynton, Romero, Turpen*

**COMMUNICATION**

**COMMUNICATION**

(MAJOR #C.5342.AA)

**ASSOCIATE IN ARTS DEGREE**

**Program Learning Outcomes:**

1. Construct and deliver a presentation with communicative competence and confidence.
2. Demonstrate the dynamics of effective communication in a variety of settings and contexts.
3. Critically evaluate communicative situations.

The number one skill requested by employers is good communication skills. The associate degree in communication will give students a solid foundation of communication skills for a variety of situations. The overarching program outcome is that students will know how to gather, organize, and present information to others with confidence and competence. Communication courses focus on how people use messages to generate meaning within and across various contexts, cultures, and channels.

	<b>Required Core Courses .....</b>	<b>12</b>
COMM 2	Interpersonal Communication .....	3
COMM 4	Persuasion .....	3
COMM 8	Group Communication .....	3
COMM 25	Argumentation .....	3
	<b>Select one course.....</b>	<b>3</b>
COMM 1	Public Speaking .....	3
COMM 1H	Honors Public Speaking .....	3
	<b>Select from the following: .....</b>	<b>3</b>
COMM 10	Intercultural Communication .....	3
COMM 12	Fundamentals of Interpretation ... ..	3
COMM 15	Computer-Mediated Communication .....	3
PHIL 2	Critical Thinking and Writing .....	3
	<b>Total Units .....</b>	<b>18</b>

*Advisors: Briones, Martinez, Sarkisian, Vagim*

## COMMUNICATION STUDIES

(MAJOR #C.5343.CA)

### CERTIFICATE OF ACHIEVEMENT

Upon completion of this certificate students will have communication skills that are applicable in the workforce. Skills may include but are not limited to: gathering and organizing of information, analyzing the audience, presenting, discerning verbal and nonverbal communication signals, managing conflict, applying effective leadership characteristics, communicating inter-personally, and recognizing the role of diversity. The Certificate of Achievement in Communication Studies is designed to enhance a student's ability to communicate in social, professional, and relational contexts. This certificate is intended to enhance the communication skills for students of all majors and career paths. Coursework may be applied toward an AA degree.

	<b>Required Courses .....</b>	<b>3 units</b>
COMM 1	Public Speaking .....	3
	or	
COMM 1H	Honors Public Speaking .....	3
	<b>Select three courses .....</b>	<b>9 units</b>
COMM 2	Interpersonal Communication .....	3
COMM 4	Persuasion .....	3
COMM 8	Group Communication .....	3
COMM 10	Intercultural Communication .....	3
COMM 12	Fundamentals of Interpretation .....	3
COMM 15	Computer-Mediated Communication .....	3
COMM 25	Argumentation .....	3
	<b>Total Units .....</b>	<b>12</b>

*Advisors: Briones, Martinez, Sarkisian, Vagim*

## COMPUTER SCIENCE

### **Program Learning Outcomes:**

1. Understand the social impact of computers on human society
2. Carry out computer related tasks with professional ethics
3. Write programs using procedural programming language
4. Write programs using object oriented programming language
5. Analyze and solve application problems in science and engineering
6. Write programs using advanced programming concepts

## COMPUTER SCIENCE

(MAJOR #C.6920.AS)

### ASSOCIATE IN SCIENCE DEGREE

Upon completion of the program, students should be able to understand the social impact of computers on human society, carry out computer related tasks with professional ethics, and write programs using both procedural and object oriented programming languages. Transfer Purpose: To prepare students for transfer into four-year computer science programs. Students planning to transfer to a four-year college or university should familiarize themselves with the computer science program requirements at the school to which they will transfer.

	<b>Computer Science Core .....</b>	<b>8</b>
CSCI 40	Programming Courses and Methodology I .....	4
CSCI 41	Programming Courses and Methodology II .....	4
	<b>Select additional units from the following courses .....</b>	<b>12</b>
CSCI 26	Discrete Mathematics for Computer Science .....	4
CSCI 45	Computer Organization and Assembly Language Programming .....	4
MATH 5A	Math Analysis I .....	5
MATH 5B	Math Analysis II .....	4
PHYS 2A or PHYS 4A	General Physics I Physics for Scientists and Engineers .....	4
PHYS 2B or PHYS 4B	General Physics II .....	4
	Physics for Scientists and Engineers .....	4
	<b>Total Units .....</b>	<b>20</b>

Recommended courses:

Mathematics 5A, 5B; Physics 2A, 2B

*Advisor: Kerney*

## COUNSELING

### COUNSELING

CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION BREADTH  
(MAJOR #C.5800.CA)  
CERTIFICATE OF ACHIEVEMENT

#### **Program learning outcomes:**

1. Correctly setup, solve, and interpret the results of a variety of computational and non-computational problems relevant to the natural sciences by applying the language, critical thinking, and mathematical skills acquired in previous courses.
2. Demonstrate and understanding of the interrelationship between the creative arts, the humanities, and themselves.
3. Critically explain how people act and have acted in response to their societies.
4. Demonstrate and understanding of how societies and social subgroups operate.
5. Communicate ideas more effectively.
6. Demonstrate and ability to think logically and critically in solving problems; explaining conclusions; and evaluating, supporting or critiquing the thinking of others.
7. Evaluate personal choices regarding disease prevention, healthy living, and making positive life choices.

The Certificate of Achievement in California State University General Education Breadth (CSU-GE), will be awarded upon completion of the CSU GE Breadth requirements as outlined on the catalog year's CSU-GE Breadth sheet. Students must complete a minimum of 39 units, which are distributed among five areas. CSU-GE Breadth Sheet requirements are designed to be taken with a major area of concentration and elective courses in preparation for transfer to a California State University. This certificate recognizes the completion of lower-division general education requirements for the CSU. For many majors, students are encouraged to complete the CSU GE pattern; however, it is not required for admission to the CSU. Certification of the CSU-GE Breadth will be indicated on the student's transcript.

**The CSU GE- Breadth Requirements is a lower-division 39 semester (58.5 quarter) unit pattern. Transfer students must take specified courses in the areas of:**

#### **Requirements:**

##### **Area A:**

English Communication and Critical Thinking  
Select one course from each area (A1, A2, A3) 9.0 units

##### **Area B:**

Scientific Inquiry and Quantitative Reasoning  
Select one course from each area (B1, B2, and B4). One course with lab (B3) 9.0 units

##### **Area C:**

Arts and Humanities  
Select one course from each area (C1, C2), plus an additional course from either area 9.0 units

##### **Area D:**

Social Sciences Select three courses from a least two academic disciplines (CSU American Institutions may be completed in this area) 9.0 units

##### **Area E:**

Lifelong Learning and Self-Development 3.0 units

**Total Units: ..... 39**

*Each of the areas has a minimum number of units or courses. Please refer to pages 48-49 for AREA specific courses offered at Clovis Community College approved to satisfy CSU GE-Breadth AREAs*

#### **Note:**

\* Courses located in more than one AREA can only be used in one area

\*\* Identifies courses that are considered "same as". You can only take one of the 2 courses (CHDEV 38 same as PSY 38, CHDEV 39 same as PSY 39)

To be fully certified, students must complete a minimum of 9 units each in Areas A, B, C, and D, and 3 units in Area E. At least 30 of these units must be completed with a grade of "C" or better, including the 9 units in Area A: Communication in the English Language; and 3 units in Area B-4: Mathematics.

\*AP, CLEP, IB may be used to meet CSU General Education requirements for certification.

#### **Note: Fulfilling the CSU minimum eligibility requirements does not guarantee admission to CSU campuses.**

*Admission selection criteria vary widely by campus and by major. Consult with your counselor or a CSU campus representative to learn about the GPA and courses that may be required for admission to particular campuses and majors. Refer to the CSU Apply website for CSU transfer eligibility requirements (<https://www2.calstate.edu/apply>).*

To be fully certified, students must complete a minimum of 9 units each in Areas A, B, C, and D, and 3 units in Area E. At least 30 of these units must be completed with a grade of "C" or better, including the 9 units in Area A: Communication in the English Language; and 3 units in Area B-4: Mathematics.

GE-Breadth Certification is not automatic and must be requested by the student at the same time transcripts are requested to be sent to the CSU following the posting of final grades.

*Note: A single course, even though listed in more than one area, can only be used to satisfy one General Education requirement.*

*Advisor: McArron*

## INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM

(MAJOR #C.5801.CA)

### CERTIFICATE OF ACHIEVEMENT

#### **Program learning outcomes:**

1. Demonstrate an ability to think logically and critically in solving problems; explaining conclusions; and evaluating, supporting or critiquing the thinking of others.
2. Demonstrate an understanding of how societies and social subgroups operate.
3. Critically explain how people act and have acted in response to their societies.
4. Evaluate and interpret the ways in which people throughout the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation.
5. Develop mathematical and quantitative reasoning skills beyond the level of intermediate algebra.
6. Understand the acts and principles which form the foundations of living and non-living systems.
7. Understand experimental methodology, the testing of hypothesis, the power of systematic questioning and the influence of the scientific method on the world's civilizations.

The Certificate of Achievement in Intersegmental General Education Transfer Curriculum (IGETC) is a program that provides students with the option of fulfilling all lower division general education requirements for transferring to the California State University (CSU) and University of California (UC) systems.

Students who intend to transfer must meet all current IGETC lower division general education transfer requirements including minimum GPA to achieve the Certificate of Achievement. Students may also request certification of the general education upon completion of this Certificate of Achievement. The Certificate of Achievement will

appear on student's transcripts, but the certification is a separate request that must be filled out by a counselor and is the student's responsibility to submit to their transfer institution. Students are firmly advised to meet with a counselor to discuss transfer requirements and lower division major preparation that is needed for their intended transfer university.

Although the certificate recognizes the completion of IGETC lower division general education requirements, it does not guarantee admission to a specific campus within the CSU or UC system nor does it guarantee admission to a specific major. Some majors and colleges may require a different lower division preparation and/or a higher GPA than is necessary for this certificate. A grade of "C" or better is required in all courses.

#### **Area 1 — Communication in the English and Critical Thinking**

- CSU — 3 courses required, one from each group below.
- UC — 2 courses required, one each from Group A and Group B.

**1A- English Composition** — (One course, 3 semester units or 4-5 quarter units)

**1B - Critical Thinking-English Composition:** (One course from the following)

**1C - Oral Communication (CSU requirement only):** (One course from the following)

**AREA 2: Mathematical Concepts and Quantitative Reasoning**

One course required. (3 semester units minimum)

#### **AREA 3: Arts and Humanities**

At least three courses, with at least one from the Arts and one from the Humanities. (9 semester units minimum)

**3A - Arts:** (Choose one course from the 3A)

**3B - Humanities:** (Choose one course from the 3B)

**Arts or Humanities:** (Choose one additional course from 3A or 3B)

(3 Units minimum)

#### **Area 4 — Social and Behavioral Sciences**

(3 courses from at least 2 disciplines, 9 semester units or 12-15 quarter units.)

#### **AREA 5: Physical and Biological Sciences**

At least two courses, one Physical Science and one Biological Science; at least one must include a laboratory component (indicated by L). (7-9 semester units minimum)

**5A - Physical Sciences**

**5B - Biological Sciences**

**5C - Laboratory Activity**

**AREA 6: Language Other Than English (UC requirement only)**

Proficiency equivalent to two years of high school study in the same language with "C" grades or better (at Clovis Community College, one course required if not met by High School foreign language).

*\*\*Please refer to the current IGETC pattern on pages 51-53 for specific courses in each area.*

## CRIMINOLOGY

### Program Learning Outcomes:

1. Recognize the functions of the Criminal Justice System
2. Be able to calculate how to work within a constitutional framework

### CRIMINOLOGY - CORRECTIONS

(MAJOR #C.888B.AS)

#### ASSOCIATE IN SCIENCE DEGREE

The Criminology Program is designed for those students interested in the academy, employment and/or further education in all aspects of the criminal justice system-criminology, law enforcement, the courts, corrections, probation and parole, juvenile procedures and private and industrial security. Some courses are offered on an as-needed basis and are predicated on minimum enrollment requirements; in addition some courses are offered as recommended electives. Students enrolling in Criminology courses with employment within the criminal justice system in mind should be aware that any person with a felony conviction, a cluster of driving violations, serious drug abuse, a bad credit rating, or found to be of "bad character" will not be eligible for criminal justice system employment.

#### Select 30 units from the following courses 30

CRIM 1	Introduction to Criminology .....	3
CRIM 3	Legal Aspects of Evidence .....	3
CRIM 4	Principles and Procedures of the Justice System .....	3
CRIM 6	Criminal Law .....	3
CRIM 8	Criminal Investigations .....	3
CRIM 12	Criminal Justice Communications .....	3
CRIM 13	The Constitution and Your Individual Rights .....	3
CRIM 14	Multicultural Issues within Public Safety .....	3
CRIM 15	Introduction to Police Ethics .....	3
CRIM 19V	Cooperative Work Experience, Criminal Justice .....	3
CRIM 20	Introduction to Corrections .....	3
CRIM 24	Control and Supervision in Corrections .....	3
CRIM 28	Probation and Parole .....	3

CRIM 23	Correctional Interviewing and Counseling .....	3
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#### Select 0-3 additional units from the following ..... 0-3

CRIM 5	Community Relations .....	3
CRIM 7	Police Operations and Procedures .....	3
CRIM 10	Vice Control .....	3

#### Total Units ..... 18

Advisor: G. Elliott

### CRIMINOLOGY - CORRECTIONS

(MAJOR #C.888B.CA)

#### CERTIFICATE OF ACHIEVEMENT

Purpose: The Criminology Program is designed for those students interested in employment and/or further education in all aspects of the criminal justice system, including law enforcement, criminology, courts, corrections, probation and parole, juvenile authority, private and industrial security, and other related fields. The Clovis Community College Criminology Program offers two specific options for which Certificates of Achievement may be earned: Law Enforcement Option and the Corrections Option. There are also courses offered which are designed to meet the needs and desires of concerned and/or interested citizens regarding personal safety and protection. Some of these courses are offered on a short-term basis or on an as needed basis and are predicated on minimum enrollment.

#### Select..... 18

CRIM 1	Introduction to Criminology .....	3
CRIM 3	Legal Aspects of Evidence .....	3
CRIM 6	Criminal Law .....	3
CRIM 12	Criminal Justice Communications .....	3
CRIM 15	Introduction to Police Ethics .....	3
CRIM 20	Introduction to Corrections .....	3
CRIM 24	Control and Supervision in Corrections .....	3
CRIM 23	Correctional Interviewing and Counseling .....	3

#### Total Units ..... 18

Advisor: G. Elliott

## CRIMINOLOGY - LAW ENFORCEMENT

(MAJOR #C.888A.AS)

### ASSOCIATE IN SCIENCE DEGREE

The Criminology Program is designed for those students interested in the academy, employment and/or further education in all aspects of the criminal justice system—criminology, law enforcement, the courts, corrections, probation and parole, juvenile procedures and private and industrial security. Some courses are offered on an as-needed basis and are predicated on minimum enrollment requirements; in addition some courses are offered as recommended electives. Students enrolling in Criminology courses with employment within the criminal justice system in mind should be aware that any person with a felony conviction, a cluster of driving violations, serious drug abuse, a bad credit rating, or found to be of “bad character” will not be eligible for criminal justice system employment.

#### Select 30 units from the following courses 30

CRIM 1	Introduction to Criminology .....	3
CRIM 3	Legal Aspects of Evidence .....	3
CRIM 4	Principles & Procedures of the Justice System .....	3
CRIM 5	Community Relations .....	3
CRIM 6	Criminal Law .....	3
CRIM 7	Police Operations and Procedures .....	3
CRIM 8	Criminal Investigations .....	3
CRIM 10	Vice Control .....	3
CRIM 12	Criminal Justice Communications .....	3
CRIM 13	The Constitution and Your Individual Rights .....	3
CRIM 14	Multicultural Issues within Public Safety .....	3
CRIM 15	Introduction to Police Ethics .....	3
CRIM 19V	Cooperative Work Experience, Criminal Justice .....	3
	<b>Total Units .....</b>	<b>30</b>

Advisor: G. Elliott

## CRIMINOLOGY - LAW ENFORCEMENT

(MAJOR #C.888A.CA)

### CERTIFICATE OF ACHIEVEMENT

Purpose: The Criminal Justice Program is designed for those students interested in employment and/or further education in all aspects of the criminal justice system, including law enforcement, criminology, courts, corrections, probation and parole, juvenile authority, private and industrial security, and other related fields. The Clovis Community College Criminal Justice Program offers two specific options for which Certificates of Achievement may be earned: Law Enforcement Option and the Corrections Option.

There are also courses offered which are designed to meet the needs and desires of concerned and/or interested citizens regarding personal safety and protection. Some of these courses are offered on a short-term basis or on an as needed basis and are predicated on minimum enrollment.

#### Select..... 18

CRIM 1	Introduction to Criminology .....	3
CRIM 3	Legal Aspects of Evidence .....	3
CRIM 6	Criminal Law .....	3
CRIM 7	Police Operations and Procedures .....	3
CRIM 8	Criminal Investigations .....	3
CRIM 12	Criminal Justice Communications .....	3
CRIM 13	The Constitution and Your Individual Rights .....	3
CRIM 15	Introduction to Police Ethics .....	3
	<b>Total Units .....</b>	<b>18</b>

Advisor: G. Elliott

## ENGINEERING

### Program Learning Outcomes:

1. Apply knowledge of mathematics, science, and engineering fundamentals to solve engineering problems.
2. Conduct laboratory experiments. Analyze and interpret the data resulting from these experiments.
3. Make basic design decisions concerning engineering problems.
4. Communicate solutions to engineering problems using effective oral, written, and graphical methods.
5. Demonstrate knowledge of the impact of engineering solutions in a global and societal context.
6. Use the techniques, skills, and software tools of modern engineering practice.



**CIVIL ENGINEERING**

(MAJOR #C.3011.AS)

**ASSOCIATE IN SCIENCE DEGREE**

A student earning this degree will have completed the lower division coursework necessary to transfer into a bachelor's degree program in Civil Engineering. In addition, a student earning this degree will be prepared for engineering internship opportunities.

**Required Core Courses..... 29**

ENGR 10	Introduction to Engineering .....	2
MATH 5A	Math Analysis I.....	5
MATH 5B	Math Analysis II.....	4
MATH 6	Math Analysis III .....	5
MATH 17	Differential Equations and Linear Algebra .....	5
PHYS 4A	Physics for Scientists and Engineers.....	4
PHYS 4B	Physics for Scientists and Engineers.....	4

**Select a minimum of four courses from the following<sup>1</sup> ..... 13-17**

ENGR 2	Engineering Graphics .....	4
ENGR 4	Engineering Materials.....	3
ENGR 6	Electric Circuits Analysis with Lab..	4
ENGR 8	Statics.....	3
ENGR 40 <sup>2</sup>	Programming for Scientists and Engineers.....	4

Or

ENGR 5 <sup>2</sup>	Programming and Problem-Solving in MATLAB.....	3
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Or

CSCI 40 <sup>2</sup>	Programming Concepts and Methodology I.....	4
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CHEM 1A <sup>3</sup>	General Chemistry .....	5
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Or

CHEM 3A <sup>3</sup>	Introductory General Chemistry ...	4
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PHYS 4C	Physics for Scientists and Engineers.....	4
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**Total Units: .....42-46**

- <sup>1</sup> Student should carefully plan which of these courses to take based on their specific major and intended transfer institution(s). Some transfer institutions will have minimum requirements for transfer that will necessitate choosing more than 4 courses from this section.
- <sup>2</sup> Student should complete the programming course specifically required by his or her transfer institution of choice. The choices are: ENGR 40 Programming for Scientists and Engineers (4 units), ENGR 5 Programming and Problem Solving in MATLAB (3 units), and CSCI 40 Programming Concepts and Methodology I (4 units).
- <sup>3</sup> Student should check the minimum chemistry

transfer requirements for his or her intended transfer institution.

*Advisor: Graves*

**CIVIL ENGINEERING**

(MAJOR #C.3011.CA)

**CERTIFICATE OF ACHIEVEMENT**

A student earning this certificate of achievement will have completed the lower division coursework necessary to transfer into a bachelor's degree program in Civil Engineering. In addition, a student earning this certificate of achievement will be prepared for engineering internship opportunities.

**Required Core Courses..... 29**

ENGR 10	Introduction to Engineering.....	2
MATH 5A	Math Analysis I.....	5
MATH 5B	Math Analysis II.....	4
MATH 6	Math Analysis III .....	5
MATH 17	Differential Equations and Linear Algebra .....	5
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4

**Select a minimum of four courses from the following<sup>1</sup> ..... 13-17**

ENGR 2	Engineering Graphics .....	4
ENGR 4	Engineering Materials.....	3
ENGR 6	Electric Circuits Analysis with Lab..	4
ENGR 8	Statics.....	3
ENGR 40 <sup>2</sup>	Programming for Scientists and Engineers.....	4

Or

ENGR 5 <sup>2</sup>	Programming and Problem-Solving in MATLAB.....	3
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Or

CSCI 40 <sup>2</sup>	Programming Concepts and Methodology I.....	4
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CHEM 1A <sup>3</sup>	General Chemistry .....	5
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Or

CHEM 3A <sup>3</sup>	Introductory General Chemistry ....	4
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PHYS 4C	Physics for Scientists and Engineers.....	4
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**Total Units: .....42-46**

- <sup>1</sup> Student should carefully plan which of these courses to take based on their specific major and intended transfer institution(s). Some transfer institutions will have minimum requirements for transfer that will necessitate choosing more than 4 courses from this section.
- <sup>2</sup> Student should complete the programming course specifically required by his or her transfer institution

of choice. The choices are: ENGR 40 Programming for Scientists and Engineers (4 units), ENGR 5 Programming and Problem Solving in MATLAB (3 units), and CSCI 40 Programming Concepts and Methodology I (4 units).

- <sup>3</sup> Student should check the minimum chemistry transfer requirements for his or her intended transfer institution.

Advisor: Graves

## COMPUTER OR SOFTWARE ENGINEERING

(MAJOR #C.3013.AS)

### ASSOCIATE IN SCIENCE DEGREE

A student earning this degree will have completed the lower division coursework necessary to transfer into a bachelor's degree program in Computer Engineering or Software Engineering. In addition, a student earning this degree will be prepared for engineering internship opportunities.

<b>Required Core Courses..... 29</b>	
ENGR 10	Introduction to Engineering ..... 2
MATH 5A	Math Analysis I..... 5
MATH 5B	Math Analysis II..... 4
MATH 6	Math Analysis III ..... 5
MATH 17	Differential Equations and Linear Algebra ..... 5
PHYS 4A	Physics for Scientists and Engineers..... 4
PHYS 4B	Physics for Scientists and Engineers..... 4
<b>Select a minimum of four courses from the following<sup>1</sup> ..... 16-17</b>	
ENGR 6	Electric Circuits Analysis with Lab ..... 4
ENGR 40 <sup>2</sup>	Programming for Scientists and Engineers..... 4
Or	
CSCI 40 <sup>2</sup>	Programming Concepts and Methodology I..... 4
CSCI 41	Programming Concepts and Methodology II..... 4
CHEM 1A <sup>3</sup>	General Chemistry ..... 5
Or	
CHEM 3A <sup>3</sup>	Introductory General Chemistry .... 4
PHYS 4C	Physics for Scientists and Engineers..... 4
<b>Total Units: .....45-46</b>	

- <sup>1</sup> Student should carefully plan which of these courses to take based on their specific major and intended transfer institution(s). Some transfer institutions will have minimum requirements for transfer that will necessitate choosing more than 4 courses from this section.

- <sup>2</sup> Student should complete the programming course

specifically required by his or her transfer institution of choice. The choices are: ENGR 40 Programming for Scientists and Engineers (4 units), ENGR 5 Programming and Problem Solving in MATLAB (3 units), and CSCI 40 Programming Concepts and Methodology I (4 units).

- <sup>3</sup> Student should check the minimum chemistry transfer requirements for his or her intended transfer institution.

Advisor: Graves

## COMPUTER OR SOFTWARE ENGINEERING

(MAJOR #C.3013.CA)

### CERTIFICATE OF ACHIEVEMENT

A student earning this certificate of achievement will have completed the lower division coursework necessary to transfer into a bachelor's degree program in Computer Engineering or Software Engineering. In addition, a student earning this certificate of achievement will be prepared for engineering internship opportunities.

<b>Required Core Courses..... 29</b>	
ENGR 10	Introduction to Engineering ..... 2
MATH 5A	Math Analysis I..... 5
MATH 5B	Math Analysis II..... 4
MATH 6	Math Analysis III ..... 5
MATH 17	Differential Equations and Linear Algebra ..... 5
PHYS 4A	Physics for Scientists and Engineers..... 4
PHYS 4B	Physics for Scientists and Engineers..... 4
<b>Select a minimum of four courses from the following<sup>1</sup> ..... 16-17</b>	
ENGR 6	Electric Circuits Analysis with Lab.. 4
ENGR 40 <sup>2</sup>	Programming for Scientists and Engineers..... 4
Or	
CSCI 40 <sup>2</sup>	Programming Concepts and Methodology I..... 4
CSCI 41	Programming Concepts and Methodology II..... 4
CHEM 1A <sup>3</sup>	General Chemistry ..... 5
Or	
CHEM 3A <sup>3</sup>	Introductory General Chemistry .... 4
PHYS 4C	Physics for Scientists and Engineers..... 4
<b>Total Units: .....45-46</b>	

- <sup>1</sup> Student should carefully plan which of these courses to take based on their specific major and intended transfer institution(s). Some transfer institutions will have minimum requirements for transfer that will

necessitate choosing more than 4 courses from this section.

- <sup>2</sup> Student should complete the programming course specifically required by his or her transfer institution of choice. The choices are: ENGR 40 Programming for Scientists and Engineers (4 units), ENGR 5 Programming and Problem Solving in MATLAB (3 units), and CSCI 40 Programming Concepts and Methodology I (4 units).
- <sup>3</sup> Student should check the minimum chemistry transfer requirements for his or her intended transfer institution.

Advisor: Glaves

## ELECTRICAL ENGINEERING

(MAJOR #C.3012.AS)

### ASSOCIATE IN SCIENCE DEGREE

A student earning this degree will have completed the lower division coursework necessary to transfer into a bachelor's degree program in Electrical Engineering. In addition, a student earning this degree will be prepared for engineering internship opportunities.

<b>Required Core Courses..... 29</b>	
ENGR 10	Introduction to Engineering ..... 2
MATH 5A	Math Analysis I..... 5
MATH 5B	Math Analysis II..... 4
MATH 6	Math Analysis III ..... 5
MATH 17	Differential Equations and Linear Algebra ..... 5
PHYS 4A	Physics for Scientists and Engineers..... 4
PHYS 4B	Physics for Scientists and Engineers..... 4
<b>Select a minimum of four courses from the following<sup>1</sup> ..... 15-17</b>	
ENGR 6	Electric Circuits Analysis with Lab..... 4
<b>Must take two of the following programming courses<sup>2,3</sup>:</b>	
ENGR 40 <sup>2,3</sup>	Programming for Scientists and Engineers..... 4
Or	
ENGR 5 <sup>2,3</sup>	Programming and Problem-Solving in MATLAB..... 3
Or	
CSCI 40 <sup>2,3</sup>	Programming Concepts and Methodology I..... 4
CHEM 1A <sup>4</sup>	General Chemistry ..... 5
Or	
CHEM 3A <sup>4</sup>	Introductory General Chemistry .... 4
PHYS 4C	Physics for Scientists and Engineers..... 4
<b>Total Units: ..... 44-46</b>	

- <sup>1</sup> Student should carefully plan which of these courses to take based on their specific major and intended transfer institution(s). Some transfer institutions will have minimum requirements for transfer that will necessitate choosing more than 4 courses from this section.
- <sup>2</sup> As a first programming course, student should complete the programming course specifically required by his or her transfer institution of choice. The choices are: ENGR 40 Programming for Scientists and Engineers (4 units), ENGR 5 Programming and Problem Solving in MATLAB (3 units), and CSCI 40 Programming Concepts and Methodology I (4 units).
- <sup>3</sup> Credit will not be given for both ENGR 40 and CSCI 40. If ENGR 5 was chosen as a first programming course, then the student could choose ENGR 40 or CSCI 40 as a second programming course. If ENGR 40 or CSCI 40 was chosen as a first programming course, then the student could choose ENGR 5 as a second programming course.
- <sup>4</sup> Student should check the minimum chemistry transfer requirements for his or her intended transfer institution.

Advisor: Glaves

## ELECTRICAL ENGINEERING

(MAJOR #C.3012.CA)

### CERTIFICATE OF ACHIEVEMENT

A student earning this certificate of achievement will have completed the lower division coursework necessary to transfer into a bachelor's degree program in Electrical Engineering. In addition, a student earning this certificate of achievement will be prepared for engineering internship opportunities.

<b>Required Core Courses..... 29</b>	
ENGR 10	Introduction to Engineering ..... 2
MATH 5A	Math Analysis I..... 5
MATH 5B	Math Analysis II..... 4
MATH 6	Math Analysis III ..... 5
MATH 17	Differential Equations and Linear Algebra ..... 5
PHYS 4A	Physics for Scientists and Engineers..... 4
PHYS 4B	Physics for Scientists and Engineers..... 4
<b>Select a minimum of four courses from the following<sup>1</sup> ..... 15-17</b>	
ENGR 6	Electric Circuits Analysis with Lab ..... 4
<b>Must take two of the following programming courses<sup>2,3</sup>:</b>	

ENGR 40 <sup>2,3</sup>	Programming for Scientists and Engineers..... 4
Or	
ENGR 5 <sup>2,3</sup>	Programming and Problem-Solving in MATLAB..... 3
Or	
CSCI 40 <sup>2,3</sup>	Programming Concepts and Methodology I..... 4
CHEM 1A <sup>4</sup>	General Chemistry ..... 5
Or	
CHEM 3A <sup>4</sup>	Introductory General Chemistry .... 4
PHYS 4C	Physics for Scientists and Engineers..... 4
<b>Total Units: ..... 44-46</b>	

- <sup>1</sup> Student should carefully plan which of these courses to take based on their specific major and intended transfer institution(s). Some transfer institutions will have minimum requirements for transfer that will necessitate choosing more than 4 courses from this section.
- <sup>2</sup> As a first programming course, student should complete the programming course specifically required by his or her transfer institution of choice. The choices are: ENGR 40 Programming for Scientists and Engineers (4 units), ENGR 5 Programming and Problem Solving in MATLAB (3 units), and CSCI 40 Programming Concepts and Methodology I (4 units).
- <sup>3</sup> Credit will not be given for both ENGR 40 and CSCI 40. If ENGR 5 was chosen as a first programming course, then the student could choose ENGR 40 or CSCI 40 as a second programming course. If ENGR 40 or CSCI 40 was chosen as a first programming course, then the student could choose ENGR 5 as a second programming course.
- <sup>4</sup> Student should check the minimum chemistry transfer requirements for his or her intended transfer institution.

Advisor: Graves

### MECHANICAL, AEROSPACE, OR MANUFACTURING ENGINEERING

(MAJOR #C.3014.AS)

#### ASSOCIATE IN SCIENCE DEGREE

A student earning this degree will have completed the lower division coursework necessary to transfer into a bachelor's degree program in Mechanical, Aerospace, or Manufacturing Engineering. In addition, a student earning this degree will be prepared for engineering internship opportunities.

**Required Core Courses..... 29**

ENGR 10	Introduction to Engineering ..... 2
MATH 5A	Math Analysis I..... 5

MATH 5B	Math Analysis II..... 4
MATH 6	Math Analysis III ..... 5
MATH 17	Differential Equations and Linear Algebra ..... 5
PHYS 4A	Physics for Scientists and Engineers..... 4
PHYS 4B	Physics for Scientists and Engineers..... 4
<b>Select a minimum of four courses from the following<sup>1</sup> ..... 13-17</b>	
ENGR 2	Engineering Graphics ..... 4
ENGR 4	Engineering Materials..... 3
ENGR 6	Electric Circuits Analysis with Lab..... 4
ENGR 8	Statics..... 3
ENGR 40 <sup>2</sup>	Programming for Scientists and Engineers..... 4
Or	
ENGR 5 <sup>2</sup>	Programming and Problem-Solving in MATLAB..... 3
Or	
CSCI 40 <sup>2</sup>	Programming Concepts and Methodology I..... 4
CHEM 1A	General Chemistry ..... 5
PHYS 4C	Physics for Scientists and Engineers..... 4
<b>Total Units: .....42-46</b>	

- <sup>1</sup> Student should carefully plan which of these courses to take based on their specific major and intended transfer institution(s). Some transfer institutions will have minimum requirements for transfer that will necessitate choosing more than 4 courses from this section.
- <sup>2</sup> Student should complete the programming course specifically required by his or her transfer institution of choice. The choices are ENGR 40 Programming for Scientists and Engineers (4 units), ENGR 5 Programming and Problem Solving in MATLAB (3 units), and CSCI 40 Programming Concepts and Methodology I (4 units).

Advisor: Graves

### MECHANICAL, AEROSPACE, OR MANUFACTURING ENGINEERING

(MAJOR #C.3014.CA)

#### CERTIFICATE OF ACHIEVEMENT

A student earning this certificate of achievement will have completed the lower division coursework necessary to transfer into a bachelor's degree program in Mechanical, Aerospace, or Manufacturing Engineering. In addition, a student earning this certificate of achievement will be prepared for engineering internship opportunities.

<b>Required Core Courses..... 29</b>	
ENGR 10	Introduction to Engineering ..... 2
MATH 5A	Math Analysis I..... 5
MATH 5B	Math Analysis II..... 4
MATH 6	Math Analysis III ..... 5
MATH 17	Differential Equations and Linear Algebra ..... 5
PHYS 4A	Physics for Scientists and Engineers..... 4
PHYS 4B	Physics for Scientists and Engineers..... 4
<b>Select a minimum of four courses from the following<sup>1</sup> ..... 13-17</b>	
ENGR 2	Engineering Graphics ..... 4
ENGR 4	Engineering Materials..... 3
ENGR 6	Electric Circuits Analysis with Lab ..... 4
ENGR 8	Statics..... 3
ENGR 40 <sup>2</sup>	Programming for Scientists and Engineers..... 4
Or	
ENGR 5 <sup>2</sup>	Programming and Problem-Solving in MATLAB..... 3
Or	
CSCI 40 <sup>2</sup>	Programming Concepts and Methodology I..... 4
CHEM 1A	General Chemistry ..... 5
PHYS 4C	Physics for Scientists and Engineers4
<b>Total Units: .....42-46</b>	

<sup>1</sup> Student should carefully plan which of these courses to take based on their specific major and intended transfer institution(s). Some transfer institutions will have minimum requirements for transfer that will necessitate choosing more than 4 courses from this section.

<sup>2</sup> Student should complete the programming course specifically required by his or her transfer institution of choice. The choices are ENGR 40 Programming for Scientists and Engineers (4 units), ENGR 5 Programming and Problem Solving in MATLAB (3 units), and CSCI 40 Programming Concepts and Methodology I (4 units).

Advisor: Graves

## ENGLISH

### ENGLISH

(MAJOR #C.5300.AA)

ASSOCIATE IN ARTS DEGREE

**Program Learning Outcome:**

1. Write a passing documented thesis/argument based research paper, free of intentional or unintentional plagiarism with annotated bibliography.

A student graduating with an Associate in Arts Degree in English will have successfully completed classes in composition, literature, linguistics, and critical thinking. All students will have written a passing research paper with proper documentation and will have demonstrated transfer level essay writing proficiency based on department rubric.

**Select one (1) course from the following .... 3**

ENGL 1B	Introduction to the Study of Literature ..... 3
ENGL 1BH	Honors Introduction to the Study of Literature ..... 3

**Select one (1) course from the following .... 3**

ENGL 3	Critical Reading and Writing ..... 3
ENGL 3H	Honors Critical Reading and Writing ..... 3

**Select 14 units from the following ..... 14**

ENGL 15A	Creative Writing: Poetry ..... 3
ENGL 15B	Creative Writing: Fiction ..... 3
ENGL 15E	Creative Writing: Non-Fiction..... 3
ENGL 15F	Creative Writing: Screenwriting..... 3
ENGL 41	Themes in Literature ..... 4
ENGL 43A	American Literature: Origins through Reconstruction (1877)..... 3
ENGL 43B	American Literature: 1877 to Present..... 3
ENGL 44A	World Literature to the Renaissance ..... 3
ENGL 44B	World Literature since the Renaissance ..... 3
ENGL 46A	English Literature to 1800 ..... 3
ENGL 46B	English Literature from 1800 to present ..... 3
ENGL 47	Shakespeare ..... 3
ENGL 49	Latino & Chicano Literature ..... 3
ENGL 72	Writing Center Theory and Practice ..... 1
ENGL 72A	Advanced Writing Center Theory and Practice ..... 1
FILM 1	Introduction to Film Studies ..... 3
FILM 2A	History of Cinema: 1895-1960 ..... 3
FILM 2B	History of Cinema: 1960 to present ..... 3
LIBSKL 1	Information Competency/ Research Skills..... 1.5

**Select one (1) course from the following .... 3**

LING 10	Introduction to Language..... 3
LING 11	Introduction to Language for Teachers ..... 3
<b>Total Units .....23</b>	

Only 6 units of Creative Writing may be applied, only 2 units from English 72 and 72A count toward degree.

*Advisors: Bennett, Brandon, Burdick, G. Dent, C. Elliott, Fritz, Hoover, Ishigaki, Ross, Rowley, Sanwo, Simonson, Torres*

## FOOD SAFETY AND PROCESSING

### Program Learning Outcomes:

1. Identify chemical and biological threats and control prevention measures to food safety in agricultural, professional, and occupational settings and learn how to control them.
2. Interpret state and federal regulations as it applies to food safety.
3. Assess risk of contamination in various food processing environments.
4. Assess risk of food processing environments with relation to employee safety.
5. Implement and evaluate food safety, hygiene, and occupational health programs.

## FOOD SAFETY AND QUALITY TECHNICIAN

(MAJOR #C.5690.CA)

### CERTIFICATE OF ACHIEVEMENT

The certificate program in food safety will provide students with the ability to: identify chemical and biological threats to food safety in agricultural, professional, and occupational settings; interpret state and federal regulations as it applies to food safety; assess risk of contamination in various food processing environments; assess risk of food processing environments with relation to employee safety; implement and evaluate food safety, hygiene, and occupational health programs; learn about control of microorganisms that pose a threat to food safety. These classes are designed for employees that are either currently working for food processing organizations or people interested in entering a career in food processing. This certificate could also provide needed supplemental training to professional, scientific and technical services, educational services, auditors, biological scientists and technicians, technical workers, management analysts, managers, and business operations specialists.

COUN 47	Learning Strategies.....	2
FSAP 1	Introduction to Food Microbiology .....	4
FSAP 2	Food Processing, Packaging, and Agricultural: Laws & Regulations.....	3
FSAP 130	Introduction to Food Safety.....	1.5
FSAP 131	Agricultural Practices for Food Safety.....	1.5
FSAP 132	Food Safety Management .....	1.5
FSAP 133	Facility Management for Food Safety.....	1.5

FSAP 134	Environmental Effects on Food Borne Pathogens .....	1.5
<b>Total Units .....</b>		<b>16.5</b>

*Advisor: Rutledge*

## FOREIGN LANGUAGE

### Program Learning Outcomes:

1. Engage in conversation using the target language in daily life situations.
2. Read with a certain depth of understanding magazine or newspaper articles, short stories, and literary excerpts written in the target language.
3. Write at the intermediate level in the target language in a variety of modalities including personal and professional letters, short narratives, and descriptive essays.
4. Recognize and understand cultural similarities and differences between U.S. culture and that of the target language. Distinguish simple behavioral patterns that represent these cultures and behave in culturally appropriate ways in specific situations.

## FOREIGN LANGUAGE

(MAJOR #C.5500.AA)

### ASSOCIATE IN ARTS DEGREE

Students will understand the phonological, semantic, and syntactic features of a foreign language and the relationship of that language to one or more cultures in which it is used. Students will possess the receptive skills (listening and reading) and the productive skills (speaking and writing) necessary to achieve communicative competence in at least one foreign language and will be prepared to pursue more advanced study of that language at a four-year institution. Requirements for the major: A minimum of 22 units must be completed for the major.

#### Select at least three courses from a minimum of two languages..... 12

CHIN 1	Beginning Chinese .....	4
CHIN 2	High-Beginning Chinese .....	4
FRENCH 1	Beginning French .....	4
FRENCH 2	High-Beginning French .....	4
FRENCH 3	Intermediate French .....	4
GERMAN 1	Beginning German .....	4
GERMAN 2	High-Beginning German .....	4
GERMAN 3	Intermediate German .....	4
SPAN 1	Beginning Spanish .....	5
SPAN 2	High-Beginning Spanish .....	5
SPAN 3	Intermediate Spanish .....	5
SPAN 3NS	Spanish for Spanish Speakers .....	4

#### Select at least one course ..... 4

FRENCH 4	High-Intermediate French .....	4
GERMAN 4	High-Intermediate German .....	4

SPAN 4	High-Intermediate Spanish .....	5
SPAN 4NS	Spanish for Spanish Speakers .....	4
Select one course	.....	3
LING 10	Introduction to Language .....	3
LING 11	Introduction to Language for Teachers .....	3
<b>Select at least one course .....</b>		
<b>3</b>		
ENGL 44A	World Literature to the Renaissance .....	3
ENGL 44B	World Literature since the Renaissance .....	3
ENGL 49	Latino & Chicano Literature .....	3
GEOG 6	World Regional Geography.....	3
HIST 1	Western Civilization to 1648 .....	3
HIST 2	Western Civilization from 1648 .....	3
<b>Total Units .....</b>		<b>22</b>

Advisor: Gutiérrez, Ruiz-Trejo

## HEALTH CARE ADMINISTRATION

### HEALTH CARE ADMINISTRATION

(MAJOR #C.4501.AS)

#### ASSOCIATE IN SCIENCE DEGREE

##### **Program Learning Outcomes:**

1. Students will be able to demonstrate knowledge of the fundamentals of business theories and practices in health care organizations.
2. Students will be able to utilize skills from health care, business, economics, and computer information systems to manage and lead health care organizations.

The Associate in Science Degree in Health Care Administration program prepares students for employment as a leaders of business operations of health care facilities. Students receives instruction on the fundamentals of business and the theories and practices applied to health care organizations. As part of the management team of a health care organization, graduates ensure that the health care organization runs smoothly and patients receive effective and efficient care.

<b>Required Core Courses.....</b>		<b>40-41</b>
BIOL 5	Human Biology .....	4
OR		
BIOL 25	Human Anatomy and Physiology ..	4
COMM 10	Intercultural Communication .....	3
HCA 5	Introduction to Health Care	

OT 10	and Careers.....	3
	Medical Terminology.....	3
BA 33	Human Relations in Business.....	3
HCA 104	Medical Billing Procedures .....	4
IS 15	Computer Concepts .....	3
HCA 103	Medical Office Administration .....	4
BA 10	Introduction to Business.....	3
ECON 1A	Principles of Macroeconomics .....	3
OR		
ECON 1B	Principles of Microeconomics .....	3
ENGL 1A	Reading and Composition.....	4
BA 39	Finite Mathematics for Business ....	3
	**Electives .....	2
OR		
MATH 11	Elementary Statistics.....	4
OR		
STAT 7	Elementary Statistics.....	4
<b>Total Units .....</b>		<b>40-41</b>

*\*\* Students should carefully plan which electives to take based on their specific major and intended transfer institution(s). Some transfer institutions will have minimum requirements for transfer that will necessitate choosing more than 6 units.*

Advisor: Vea

## HEALTH CARE INTERPRETER

### CERTIFICATE IN HEALTH CARE INTERPRETER

(MAJOR #C.4501.CN)

##### **Program Learning Outcome:**

1. Students will be able to demonstrate professional interpreting, and they will be skillful, competent and culturally sensitive interpreters.

The Health Care Interpretation Certification Program's purpose is to prepare bilingual and bicultural individuals to develop skills necessary for effective language interpretation in health care settings, to bridge the cultural gap, to develop cultural competency, and improve linguistic and cultural communication for health care clients. Interpreters will utilize these skills in community based organizations to provide accurate health care information and perform cultural advocacy as required by Federal law.

Prior to entrance into Health Interpreter Program orientation and assessment of bilingual skills is required.

HLTH 14*	Interpreting in Health Care I .....	4
HLTH 15	Interpreting in Health Care II .....	4
HLTH 16	Field Work in Health Care Interpreting .....	4
<b>Total Units .....</b>		<b>12</b>

\*Health 14 must be completed within 2 years prior to

enrollment of Health 15 and 16.  
 Recommended courses: Office Technology 10, Biology 20, 22

**INFORMATION SYSTEMS**

**CYBER SECURITY**

(MAJOR #C.6932.CA)  
 CERTIFICATE OF ACHIEVEMENT

**Program Learning Outcomes:**

1. Evaluate the computer network and information security needs of an organization.
2. Assess cybersecurity risk management policies in order to adequately protect an organizations critical information and assets.
3. Evaluate the performance of security systems within an enterprise-level information system.
4. Troubleshoot, maintain, and update an enterprise-level information security system.
5. Implement continuous network monitoring and provide real-time security solutions.
6. Formulate, update, and communicate short- and long-term organizational cybersecurity strategies and policies.

This program provides students with the knowledge, training, and hands-on experience to pursue a career and gain professional certification (CompTIA) as an Information Technology Cyber Security Technician professional in a business, government, or education environment. Students should have a basic understanding of computer networking prior to enrolling. Students completing this program of study will be able to enter the cyber security workforce in areas such as security analyst, or penetration tester with a comprehensive understanding of computer hardware, system software, networking essentials, as well as the intermediate skills to protect computer networks against malicious attack, and to use currently available tools to perform network testing, penetration, and assessment of target networks.

<b>Required Core Courses.....20-21</b>	
IS 15	Computer Concepts ..... 3
IS 62	Computer & Communication Essentials – Troubleshooting and Maintenance..... 4
IS 63	Computer Networking Fundamentals..... 3
IS 70	Introduction to Information Systems Security..... 3
IS 71	Introduction to Cybersecurity: Ethical Hacking..... 3
IS 72	Computer Forensics Fundamentals..... 3

**Select one course from the following..... 1-2**

OT 17	Job Retention and Responsibilities ..... 1
IS 66	Office and Customer Skills for Technicians..... 2
<b>Total Units .....20-21</b>	

*Advisor: Nabors*

**INFORMATION SYSTEMS  
 ASSOCIATE IN SCIENCE DEGREE**

**Program Learning Outcomes:**

1. Operate commonly used computer hardware and office software.
2. Identify the categories of software by their purpose and provide examples of each category.
3. Plan, design, and write stand-alone computer programs.
4. Apply structured logic in analyzing and solving problems.
5. Develop a well-designed relational database.
6. Create a Web document that contains hyperlinks, graphics, tables and forms.
7. Demonstrate a breadth of knowledge of networking its uses in the business environment.

The Associate in Science Degree is designed to provide students with the basic knowledge and skills necessary to pursue a career in Information Systems. Students completing the Business Department core courses and the Information Systems core courses and one of the three options (Networking, Web Design, or programming for the Web) will be able to enter the workforce with a comprehensive understanding of computer basics and a computing specialty (option) that can be applied in business, government, or education.

**INFORMATION SYSTEMS NETWORKING OPTION**

(MAJOR #C.693B.AS)  
 ASSOCIATE IN SCIENCE DEGREE

<b>Required Core Courses..... 31-34.5</b>	
BA 5	Business Communications..... 3
BA 10	Introduction to Business..... 3
IS 15	Computer Concepts ..... 3
IS 16	Word Processing ..... 1.5
IS 18	Spreadsheet Fundamentals ..... 1.5
IS 40A	Web Development with HTML, CSS, and JavaScript..... 3
IS 61	Computer Building and Configuration..... 1.5
IS 62	Computer & Communication Essentials – Troubleshooting and Maintenance..... 4
IS 63	Computer Networking Fundamentals..... 3
IS 64	Computer Networking II..... 3



**Select one course from the following..... 1.5-3**

IS 13	Database Essentials .....	1.5
IS 50A	Introduction to Game Programming.....	3

**Select one course from the following..... 3-5**

BA 39	Finite Mathematics for Business .....	3
MATH 5A	Math Analysis I.....	5
MATH 103	Intermediate Algebra.....	5
STAT 7	Elementary Statistics.....	4

**Total units..... 31-34.5**

*Advisor: Nabors*

**INFORMATION SYSTEMS PROGRAMMING FOR THE WEB OPTION**

(MAJOR #C.693C.AS)

ASSOCIATE IN SCIENCE DEGREE

**Required Core Courses..... 27-29**

BA 5	Business Communications.....	3
BA 10	Introduction to Business.....	3
IS 15	Computer Concepts .....	3
IS 16	Word Processing .....	1.5
IS 18	Spreadsheet Fundamentals .....	1.5
IS 40A	Web Development with HTML, CSS, and JavaScript.....	3
IS 47	Visual Basic.....	3
IS 61	Computer Building and Configuration.....	1.5

**Select one course from the following..... 1.5-3**

IS 13	Database Essentials .....	1.5
IS 50A	Introduction to Game Programming.....	3

**Select one course from the following..... 3**

IS 31	Introduction to Programming.....	3
IS 33	Beginning Java Programming.....	3

**Select one course from the following..... 3-5**

BA 39	Finite Mathematics for Business .....	3
MATH 5A	Math Analysis I.....	5
MATH 103	Intermediate Algebra.....	5
STAT 7	Elementary Statistics.....	4

**Total units..... 27-29**

*Advisor: Nabors*

**INFORMATION SYSTEMS WEB DESIGN OPTION**

(MAJOR #C.693D.AS)

ASSOCIATE IN SCIENCE DEGREE

**Required Core Courses..... 25.5-26.5**

IS 13	Database Essentials .....	1.5
IS 15	Computer Concepts .....	3

IS 16	Word Processing.....	1.5
IS 18	Spreadsheet Fundamentals .....	1.5
IS 40A	Web Development with HTML, CSS, and JavaScript.....	3
IS 40B	Advanced Web Design Concepts, Design, and Programming.....	3

**Select one course from the following..... 3**

IS 42A	Graphics Design for the Web.....	3
ART 37A	Photoshop: Digital Visual Art.....	3

**Select one course from the following..... 3**

IS 42B	Animating for Web Designs .....	3
ART 42	Computer Animation/3D .....	3

**Select two courses from the following ..... 6-7**

IS 31	Introduction to Programming.....	3
IS 33	Beginning Java Programming.....	3
IS 47	Visual Basic.....	3
IS 50A	Introduction to Game Programming.....	3
CSCI 40	Programming Concepts and Methodology 1.....	4

**Total units..... 25.5-26.5**

*Advisor: Nabors*

**INFORMATION SYSTEMS**

(MAJOR #C.6930.CA)

CERTIFICATE OF ACHIEVEMENT

**Program Learning Outcomes:**

1. Operate commonly used computer hardware and office software.
2. Create a Web document that contains hyperlinks, graphics, tables, and forms.
3. Demonstrate a breadth of knowledge of networking and its uses in the business environment.
4. Plan, design, and write stand-alone computer programs.

The purpose of this core program is to provide students with the knowledge, training, and hands-on experience to pursue a career in Information Systems. Students completing this course of study will be able to enter the workforce with a comprehensive understanding of the fundamental elements of computing in a business environment. These courses apply toward the Associate in Science Degree in Information Systems.

**Required Core Courses..... 17.5**

BA 10	Introduction to Business.....	3
IS 13	Database Essentials .....	1.5
IS 15	Computer Concepts .....	3
IS 16	Word Processing .....	1.5
IS 18	Spreadsheet Fundamentals .....	1.5
IS 19V	Cooperative Work Experience,	

	Information Systems .....	1
IS 40A	Web Development with HTML, CSS,and JavaScript.....	3
	<b>Select one course from the following.....</b>	<b>3</b>
IS 31	Introduction to Programming.....	3
IS 33	Beginning Java Programming.....	3
IS 47	Visual Basic.....	3
IS 50A	Introduction to Game Programming.....	3
	<b>Total units.....</b>	<b>17.5</b>

*Advisor: Nabors*

## INFORMATION SYSTEMS NETWORKING

(MAJOR #C.693B.CA)

### CERTIFICATE OF ACHIEVEMENT

#### **Program Learning Outcomes:**

1. Apply structured logic in analyzing and solving problems.
2. Create a web document that contains Hyperlinks, graphics, tables and forms.
3. Plan, design, and write stand-alone computer programs.
4. Develop a well-designed relational database.

The purpose of this program is to provide students with the knowledge, training, and hands-on experience to pursue a career as a networking technician. Students completing this course of study will possess a fundamental understanding of computer networks and be able to enter the workforce as a technician in business, government, or education. These courses apply toward the Associate in Science Degree in Information Systems.

	<b>Required Core Courses.....</b>	<b>21.5</b>
IS 13	Database Essentials .....	1.5
IS 15	Computer Concepts .....	3
IS 16	Word Processing .....	1.5
IS 18	Spreadsheet Fundamentals .....	1.5
IS 19V	Cooperative Work Experience, Information Systems .....	1
IS 40A	Web Development with HTML, CSS, and JavaScript.....	3
IS 62	Computer & Communication Essentials – Troubleshooting and Maintenance.....	4
IS 63	Computer Networking Fundamentals.....	3
IS 64	Computer Networking II.....	3
	<b>Total units.....</b>	<b>21.5</b>

*Advisor: Nabors*

**INFORMATION SYSTEMS PROGRAMMING FOR THE WEB**

(MAJOR #C.693C.CA)

**CERTIFICATE OF ACHIEVEMENT**

**Program Learning Outcomes:**

1. Apply structured logic in analyzing and solving problems.
2. Create a web document that contains hyperlinks, graphics, tables and forms.
3. Plan, design, and write stand-alone computer programs.
4. Develop a well-designed relational database.

The purpose of this program is to provide students with the knowledge, training, and hands-on experience to pursue a career as a web programming specialist. Students completing this course of study will be able to enter the workforce as a programming specialist in web environments in business government, and education. These courses apply toward the Associate in Science Degree in Information Systems.

<b>Required Core Courses.....</b>		<b>19.5</b>
IS 13	Database Essentials .....	1.5
IS 15	Computer Concepts .....	3
IS 16	Word Processing .....	1.5
IS 18	Spreadsheet Fundamentals .....	1.5
IS 31	Introduction to Programming.....	3
IS 40A	Web Development with HTML, CSS, and JavaScript.....	3
IS 47	Visual Basic.....	3
<b>Select one course from the following.....</b>		<b>3</b>
IS 33	Beginning Java Programming.....	3
IS 50A	Introduction to Game .....	3
	Programming.....	3
<b>Total units.....</b>		<b>19.5</b>

Advisor: Nabors

**INFORMATION SYSTEMS WEB DESIGN**

(MAJOR #C.693D.CA)

**CERTIFICATE OF ACHIEVEMENT**

**Program Learning Outcomes:**

1. Operate commonly used computer hardware and office software.
2. Identify the categories of software by their purpose and provide examples of each category.
3. Plan, design, and write stand-alone computer programs.
4. Apply structured logic in analyzing and solving problems.
5. Develop a well-designed relational database.
6. Create a web document that contains hyperlinks, graphics, tables, and forms.
7. Demonstrate a breadth of knowledge of networking and its uses in the business environment.

This program provides students with the knowledge, training, and hands-on experience to pursue a career as a Web Design Specialist. Students completing this pursue of study will be able to enter the workforce as a web design specialist in business, government, and educational environments. These courses apply toward the Associate degree in Information Systems.

<b>Required Core Courses.....</b>		<b>17.5</b>
IS 13	Database Essentials .....	1.5
IS 15	Computer Concepts .....	3
IS 19V	Cooperative Work Experience, Information Systems .....	1
IS 40A	Web Development with HTML, CSS, and JavaScript.....	3
IS 40B	Advanced Web Design Concepts, Design, and Programming	3
<b>Select one course from the following.....</b>		<b>3</b>
IS 42A	Graphics Design for the Web.....	3
ART 37A	Photoshop: Digital Visual Art.....	3
<b>Select one course from the following.....</b>		<b>3</b>
IS 42B	Animating for Web Designs .....	3
ART 42	Computer Animation/3D .....	3
<b>Total units.....</b>		<b>17.5</b>

Advisor: Nabors

**INFORMATION SYSTEMS INFORMATION TECHNICIAN SUPPORT**

(MAJOR #C.693F.CA)

**CERTIFICATE OF ACHIEVEMENT**

**Program Learning Outcomes:**

1. Operate commonly used computer hardware and office software.
2. Identify the categories of software by their purpose and provide examples of each category.
3. Plan, design, and write stand-alone computer programs.

4. Apply structured logic in analyzing and solving problems.
5. Develop a well-designed relational database.
6. Create a web document that contains hyperlinks, graphics, tables, and forms.
7. Demonstrate a breadth of knowledge of networking and its uses in the business environment.

This core program provides students with the knowledge, training, and hands-on experience to pursue a career as an Information Technician Support and Help Desk professional. Students completing this course of study will be able to enter the workforce with a comprehensive understanding of the fundamentals necessary to work as an IT Support or Help Desk professional in business, government, or education. These courses apply toward the Associate of Science degree in Information Systems.

<b>Required Core Courses..... 20</b>	
IS 13	Database Essentials ..... 1.5
IS 15	Computer Concepts ..... 3
IS 16	Word Processing ..... 1.5
IS 18	Spreadsheet Fundamentals ..... 1.5
IS 19V	Cooperative Work Experience, Information Systems ..... 1
IS 40A	Web Development with HTML, CSS, and JavaScript ..... 3
IS 61	Computer Building and Configuration 1.5
IS 62	Computer & Communication Essentials – Troubleshooting and Maintenance..... 4
IS 63	Computer Networking Fundamentals..... 3
<b>Total units..... 20</b>	

Advisor: Nabors

**INFORMATION SYSTEMS INFORMATION  
TECHNOLOGY SUPPORT TECHNICIAN**  
(MAJOR #C.6931.CA)  
CERTIFICATE OF ACHIEVEMENT

**Program Learning Outcomes:**

1. Troubleshoot and solve hardware, software, and network problems of personal computers
2. Install and configure operating systems and application software of personal computers
3. Set up appropriate security measures for personal computers including user accounts, virus protection, and data backup
4. Implement network configuration for personal computers
5. Install and test network cabling and switches
6. Prepare to take CompTIA A+ Essential and A+ Practical Application exams
7. Work as an entry-level IT Support Technician or Help Desk

This program provides students with the knowledge, training, and hands-on experience to pursue a career as an Information-Technology Support Technician professional in business, government, or education. Students completing this program of study will be able to enter the workforce with a comprehensive understanding of computer hardware, system software, networking essentials, and needed people skills to maintain their job at a work place. These courses apply toward the Associate of Science degree in Information Systems.

<b>Required Core Courses..... 15.5-16.5</b>	
IS 15	Computer Concepts ..... 3
IS 19V	Cooperative Work Experience, Information Systems ..... 1
IS 61	Computer Building and Configuration..... 1.5
IS 62	Computer & Communication Essentials – Troubleshooting and Maintenance..... 4
IS 63	Computer Networking Fundamentals..... 3
<b>Select one course from the following..... 1-2</b>	
IS 66	Office and Customer Skills for Technicians..... 2
OT 17	Job Retention and Responsibilities ..... 1
<b>Total units..... 15.5-16.5</b>	

Advisor: Nabors

**LIBERAL ARTS & SCIENCES**

**LIBERAL ARTS & SCIENCES**

**ASSOCIATE IN ARTS DEGREE**

The Liberal Arts & Sciences A.A. Degree is designed for the student who wishes to earn a degree in a broad area of study that includes additional coursework in an "Area of Emphasis". This area of emphasis will be an ideal choice for students planning to transfer to the California State University or University of California as students can satisfy their general education requirements, plus focus on transferable course work that relates to majors at CSU or UC. Each student should consult with a counselor for specific information regarding intended majors at the specific college/university of his/her choice.

- Total Units Required: ..... 60**
- Choose either option I or II or III for the General Education pattern related to your educational goal.
    - I. Associate in Arts Degree  
General Education
    - II. CSU GE  
Minimum units necessary to meet

- the CSU General Education Certification requirements.
- III. IGETC  
Minimum units necessary to meet the IGETC Certification requirements.
  - Complete 18 units in one "Area of Emphasis"
  - American Studies
  - Arts and Humanities
  - Natural Sciences
- For ALL OPTIONS: complete necessary Clovis Community College Graduation and Competency requirements
- All courses listed below transfer to CSU. Courses in bold also are transferable to UC. Refer to www.assist.org for transfer details or see a counselor or faculty advisor for additional details. (\* indicates that transfer credit is limited by UC)
- Electives may be necessary to total 60 degree applicable units required for the Associate degree.

**AREAS OF EMPHASIS**

**ARTS AND HUMANITIES**

(MAJOR #C.5120.AA)

**Program Learning Outcome:**

1. Critically evaluate the central themes and concepts explored in art, literature, history, music, and philosophy.

These courses emphasize the study of cultural and humanistic activities, and literary and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have expressed themselves in response to each other and the world around them in artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments.

<b>Select one course from: ..... 3</b>	
ART 1	Art Basics: 2/3 Dimensional Design..... 3
ART 2	Art Appreciation ..... 3
ART 5	Art History 1..... 3
ART 6 or	Art History 2
ART 6H	Honors Art History 2..... 3

<b>Select one course from: ..... 3</b>	
ENGL 1B or	Introduction to the Study of Literature
ENGL 1BH	Honors Introduction to the Study of Literature ..... 3
ENGL 41	Themes in Literature ..... 3
ENGL 43A	American Literature: Origins through Reconstruction (1877)..... 3
ENGL 43B	American Literature: 1877

	to present ..... 3
ENGL 44A	World Literature to the Renaissance ..... 3
ENGL 44B	World Literature from the Renaissance ..... 3
ENGL 46A	English Literature to 1800 ..... 3
NGL 46B	English Literature from 1800 to the Present..... 3
ENGL 47	Shakespeare ..... 3
ENGL 49	Latino and Chicano Literature ..... 3
<b>Select one course from: ..... 3</b>	
HIST 1	Western Civilization to 1648..... 3
HIST 2	Western Civilization from 1648..... 3
HIST 11	United States History to 1877 ..... 3
HIST 12 or	United States History since 1877
HIST 12H	Honors United States History since 1877 ..... 3
HIST 20	World History I, to 1600..... 3
<b>Select one course from: ..... 3</b>	
MUS 12	Music Appreciation..... 3
MUS 16	Jazz History and Appreciation..... 3
<b>Select one course from: ..... 3</b>	
PHIL 1	Introduction to Philosophy ..... 3
PHIL 1C	Ethics ..... 3
PHIL 1CH	Honors Ethics ..... 3
PHIL 1D	World Religions ..... 3
<b>Select an additional 3 units from above ..... 3</b>	
<b>Total Units ..... 18</b>	

**NATURAL SCIENCES**

(MAJOR #C.5130.AA)

**Program Learning Outcomes:**

1. Demonstrate an understanding of the methodologies of each discipline within the natural and physical sciences.
2. Demonstrate an understanding of basic scientific principles, theories, and laws as well as an awareness of the changing nature of science.

These courses emphasize the natural sciences which examine the physical universe, its life forms, and its natural phenomena. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools. Students will also examine the influence that the acquisition of scientific knowledge has on the development of the world's civilizations.

<b>Select from a minimum of three disciplines 18</b>	
ANTHRO 1	Biological Anthropology ..... 3

BIOL 3	Introduction to Life Science.....	4
<b>OR</b>		
BIOL 10	Introduction to Life Science Lecture .....	3
<b>and</b>		
BIOL 10L	Introduction to Life Science Lab....	1
BIOL 5	Human Biology .....	4
BIOL 11A	Biology for Science Majors I .....	5
BIOL 11B	Biology for Science Majors II.....	5
BIOL 20	Human Anatomy .....	4
BIOL 22	Human Physiology.....	5
BIOL 31	Microbiology.....	5
CHEM 1A	General Chemistry .....	5
CHEM 1B	General Chemistry and Qualitative Analysis .....	5
CHEM 3A	Introductory General Chemistry .....	4
CHEM 3B	Introductory Organic and Biological Chemistry .....	3
CHEM 8	Elementary Organic Chemistry .....	3
CHEM 10	Elementary Chemistry.....	4
CHEM 28A	Organic Chemistry .....	3
CHEM 28B	Organic Chemistry .....	3
CHEM 29A	Organic Chemistry Laboratory .....	2
CHEM 29B	Organic Chemistry Laboratory .....	2
GEOG 5	Physical Geography: Environmental Conditions.....	3
GEOG 9	Physical Geography: Land Formation.....	3
GEOL 1	Physical Geology .....	4
GEOL 9	Introduction to Earth Science.....	4
PHYS 2A	General Physics I.....	4
PHYS 2B	General Physics II.....	4
PHYS 4A	Physics for Scientists and Engineers.....	4
PHYS 4B	Physics for Scientists and Engineers.....	4
PHYS 4C	Physics for Scientists and Engineers.....	4
PHYS 10	Conceptual Physics.....	3.5
SCI 1A	Introductory Chemical and Physical Science .....	3
	<b>Total Units .....</b>	<b>18</b>

## LIBERAL STUDIES

### LIBERAL STUDIES

(MAJOR #C.5890.AA)

#### ASSOCIATE IN ARTS DEGREE

##### **Program Learning Outcome:**

1. Demonstrate effective written and oral communication skills across the broad categories of intellectual heritage, artistic expression, the natural and physical world, human behavior, and health concepts.

Students completing the Liberal Studies associate degree will have the knowledge, skills and attributes necessary to successfully transfer into the elementary school teaching programs offered at four-year institutions. In addition, students will obtain a strong foundation for other professions in fields of public services. Please consult with a counselor for specific information regarding your intended major at the specific college/university of your choice.

##### Total Units Required - 60

- Choose either option I or II or III for the General Education pattern related to your educational goal.
  - I. Associate in Arts Degree General Education
  - II. CSU GE - minimum units necessary to meet the CSU General Education Certification requirements.
  - III. IGETC - minimum units necessary to meet the IGETC Certification Requirements.
- For ALL OPTIONS (I, II, III): Complete necessary Clovis Community College Graduation and Competency requirements (see catalog).
- Complete 18 units as listed below.
- Electives may be necessary to total 60 degree applicable units required for the Associate degree.

##### **Select one course..... 3**

COMM 25	Argumentation .....	3
ENGL 3	Critical Reading and Writing .....	3
ENGL 3H	Honors Critical Reading and Writing .....	3
PHIL 2	Critical Thinking and Writing .....	3
PHIL 4	Introduction to Logic .....	3
PHIL 6	Symbolic Logic .....	3

##### **Select one course..... 3-4**

BIOL 3	Introduction to Life Science .....	4
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##### **OR**

BIOL 10	Introduction to Life Science Lecture .....	3
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##### **and**

BIOL 10L	Introduction to Life Science Lab....	1
GEOL 9	Introduction to Earth Science .....	4
SCI 1A	Introductory Chemical and Physical Science .....	4
<b>Select one course.....</b>		<b>3</b>
ART 2	Art Appreciation .....	3
ART 5	Art History 1 .....	3
ART 6	Art History 2 .....	3
ART 6H	Honors Art History 2 .....	3
MUS 12	Music Appreciation .....	3
<b>Select one course... ..</b>		<b>3</b>
ENGL 1B	Introduction to the Study Of Literature .....	3
ENGL 1BH	Honors Introduction to the Study Of Literature .....	3
HIST 11	History of the United States to 1877 .....	3
HIST 20	World History I, to 1600 .....	3
<b>Select two courses.....</b>		<b>6</b>
CHDEV 39	Child Growth and Development .....	3
EDUC 10	Introduction to Teaching .....	3
HLTH 1	Contemporary Health Issues .....	3
IS 15	Computer Concepts .....	3
GEOG 6	World Regional Geography.....	3
PSY 2 or PSY 2H	General Psychology Honors General Psychology .....	3
<b>Total Units .....</b>		<b>60</b>

## MATHEMATICS

### **Program Learning Outcomes:**

1. Communicate mathematics with understanding (read, write, listen, speak).
2. Use critical thinking and mathematical reasoning to solve a variety of problems.
3. Apply mathematical models to real world situations.
4. Use technology, when appropriate, to enhance their mathematical understanding, critical thinking, and problem solving skills.
5. Demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.

## MATHEMATICS

(MAJOR #C.6200.AS)

### ASSOCIATE IN SCIENCE DEGREE

Purpose: To prepare students for transfer into four-year mathematics programs. The major also provides fundamental background for persons who plan to become systems analysts

or computer programmers. The following courses must be completed with a "C" or better grade.

<b>Math Core:.....</b>		<b>17</b>
MATH 5A	Math Analysis I .....	5
MATH 5B	Math Analysis II.....	4
MATH 6	Math Analysis III .....	5
MATH 17	Differential Equations and Linear Algebra .....	5
<b>Select one (1) from the following:.....</b>		<b>4</b>
MATH 11	Elementary Statistics.....	4
PHYS 2A	General Physics I.....	4
PHYS 4A	Physics for Scientists and Engineers.....	4
CSCI 40	Programming Concepts and Methodology I.....	4
ENGR 40	Programming Concepts and Methodology .....	4
<b>Total Units .....</b>		<b>21</b>

*Advisors: Choate, Gardner, Glaves, Hickey, Hitchcock, Peterson, Renwick, Shepherd, Somayajulu, Sullivan, Tague*

## MECHATRONICS/INDUSTRIAL AUTOMATION

### **Program Learning Outcomes:**

1. Safety: Identify the hazards associated with automated machinery and determine appropriate safety methods for working in an industrial environment.
2. Troubleshooting: Utilize electrical/mechanical troubleshooting and communication skills to diagnose, repair, test, and return to service failed components.
3. Identify and Solve Problems: Identify, analyze, and solve narrowly defined technical problems determining root cause with a general understanding of industry practices.
4. System Design and Programming: Use basic understanding of programming and industrial system design to enhance systems via incremental changes in software and/or in hardware modifications.
5. Communication: Apply written, oral and graphical communication skill in both technical and non-technical environments, and identify and use appropriate technical literature.
6. Teamwork, Professionalism and Quality: Function effectively as a team member, both individually and as group, demonstrating a commitment to quality, timeliness, and continuous improvement in a professional manner.

## MECHATRONICS/INDUSTRIAL AUTOMATION

(MAJOR #C.8391.AS)

### ASSOCIATE IN SCIENCE DEGREE

The Mechatronics/Industrial Automation Associate in Science degree is designed to prepare students for employment as entry-level industrial automation technicians. The program prepares students for careers in the design, operation, and maintenance of industrial automation systems focusing on the local industries that utilize these technologies, such as food production, petroleum production, fabrication, and logistics. This program focuses on the application of electronics and computer technology to industrial automation systems, including instrumentation and control, industrial robotics, and process control systems. Significant emphasis is placed on project-based learning facilitated by significant laboratory work.

<b>Required Core Courses..... 26</b>	
MECH 2	Mechanical Systems ..... 3
MECH 3	Electricity and Electronics (AC & DC) ..... 4
MECH 4	Electric Motors – Controls ..... 4
MECH 5	Programmable Logic Controllers (PLCs)..... 3
MECH 19V	Cooperative Work Experience, Mechatronics/Industrial Automation..... 3
MECH 23	Instrumentation and Process Control ..... 3
MECH 35	Industrial Communications Networks ..... 3
MECH 45	Industrial Automation Systems..... 3
<b>Total units for the major ..... 26</b>	

**Student Selection and Fees:** The program is open to all Clovis Community College students. The cost of program to students would include the required textbooks and/or online educational resources.

*Advisor: Graff*

## MECHATRONICS/INDUSTRIAL AUTOMATION

(MAJOR #C.8391.CA)

### CERTIFICATE OF ACHIEVEMENT

The certificate in Mechatronics/Industrial Automation is designed to prepare students for employment as entry-level industrial automation technicians. The program prepares students for careers in the design, operation, and maintenance of industrial automation systems focusing on the local industries that utilize these technologies, such as food production, petroleum production, fabrication, and logistics. This program focuses on the application of electronics and computer technology to industrial automation systems, including instrumentation and control, industrial robotics, and process control systems. Significant emphasis is placed on project-based learning facilitated by significant laboratory work.

<b>Required Courses ..... 26</b>	
MECH 2	Mechanical Systems ..... 3
MECH 3	Electricity and Electronics (AC & DC) ..... 4
MECH 4	Electric Motors- Controls ..... 4
MECH 5	Programmable Logic Controllers (PLCs)..... 3
MECH 19V	Cooperative Work Experience, Mechatronics/Industrial Automation..... 3
MECH 23	Instrumentation and Process Control..... 3
MECH 35	Industrial Communications Network..... 3
MECH 45	Industrial Automation Systems..... 3
<b>Total Units: ..... 26</b>	

*Advisor: Graff*

## MEDICAL OFFICE ADMINISTRATION

### **Program Learning Outcomes:**

1. Students will be able to demonstrate skills to work in a front office at a health care facility.

## MEDICAL OFFICE ADMINISTRATION

(MAJOR #C.4502.CA)

### CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Medical Office Administration program prepares the student with front office skills for a physician's office, hospital, clinic, laboratory, pharmaceutical company, or health insurance company. Medical Office Administrators manage patients' medical records, file insurance forms, schedule appointments and arrange clinical procedures. Students learn the basics of office procedures – billing and bookkeeping, keeping track of office inventory, and ordering medical and office supplies as needed.



<b>Required Courses .....23-24</b>	
BIOL 122	Introduction to Concepts of Human Anatomy and Physiology ..... 3
OR	
BIOL 5	Human Biology ..... 4
OR	
BIOL 25	Human Anatomy and Physiology.. 4
COMM 10	Intercultural Communication ..... 3
HCA 5	Introduction to Health Care and Careers..... 3
IS 15	Computer Concepts ..... 3
HCA 103	Medical Office Administration ..... 4
HCA 104	Medical Billing Procedures ..... 4
OT 10	Medical Terminology ..... 3
OT 17	Job Retention and Responsibilities ..... 1
<b>Total Units: .....23-24</b>	

Advisor: *Vea*

## PHYSICAL EDUCATION

### PHYSICAL EDUCATION

(MAJOR #C.4200.AA)

#### ASSOCIATE IN ARTS DEGREE

##### **Program Learning Outcomes:**

1. Plan, implement, practice, and measure appropriate fitness activities which promote improved levels of muscular strength and endurance, cardio-respiratory endurance, flexibility, and body composition.
2. Acquire skills and/or knowledge of skill sets, demonstrate basic knowledge of rules and/or terminology, and identify necessary equipment for specific physical activities.
3. Recognize the relationship between physical activity and physical wellness.
4. Recognize the impact of physical activity has on cognitive functioning and/or emotional wellness.
5. Recognize the social and financial implications of inadequate physical activity.

The student who completes the requirements for an AA degree in Physical Education will identify effective pedagogical techniques for primary and secondary students. The student will demonstrate a basic knowledge of human anatomy and the treatment of common sports/fitness related injuries. The student will have practical experience in a breadth of activities, such as intercollegiate sports, swimming, racquet sports, and fitness activities like weight training and aerobic dance.

<b>Required Course ..... 4</b>	
BIOL 5	Human Biology ..... 4
<b>Complete a minimum of eight (8) units from</b>	

<b>the following: ..... 8</b>	
BIOL 20	Human Anatomy ..... 4
BIOL 22	Human Physiology ..... 5
CHEM 3A	Introductory General Chemistry ..... 4
CHEM 10	Elementary Chemistry ..... 4
FN 35	Nutrition and Health ..... 3
FN 40	Nutrition ..... 3
HLTH 1	Contemporary Health Issues..... 3
HLTH 2	First Aid and Safety ..... 2
KINES 22	Introduction to Physical Education ..... 3

<b>Select three (3) units from the following: .... 3</b>	
DANCE 9	Dance Conditioning ..... 1
DANCE 10	Modern Dance..... 1
DANCE 14	Beginning Jazz Dance..... 1
PE 2	Aerobics (Dance, Step or Water) ..... 1
PE 6	Fitness and Health ..... 1
PE 7	Golf ..... 0.5
PE 8	Martial Arts/Self Defense ..... 1
PE 12	Swimming ..... 0.5
PE 12B	Intermediate Swim for Fitness..... 0.5
PE 14	Volleyball ..... 1
PE 15	Weight Training ..... 1
PE 15B	Advanced Weight Training..... 1
PE 16	Fitness Walking ..... 1
PE 18	Floor Exercises ..... 1
PE 19	Weight Training and Aerobics ..... 1
PE 19B	Advanced Weight Training and Aerobics ..... 1
PE 29	Yoga ..... 1
PE 43B	Competitive Swimming and Diving..... 3
PE 45	Performance Training and Conditioning Techniques for Intercollegiate Athletics.....1-2
PE 49A	Beginning Circuit Training..... 1
PE 71	Soccer..... 1

**Select additional units from the above areas to total at least 18 units.**

**Total Units ..... 18**

Advisor: *Allen, Ramirez*

## PHYSICAL SCIENCE

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### **Program Learning Outcomes:**

1. Recognize and utilize correctly the terminology of math, statistics and/or science.
2. Analyze and interpret data using quantitative and qualitative methods.

## PHYSICAL SCIENCE

(MAJOR #C.6300.AS)

### ASSOCIATE IN SCIENCE DEGREE

Purpose: To provide a background in physical science or to prepare students for transfer into chemistry, geology, physics, and engineering four-year programs. These four-year programs require more courses than the minimum program given here. The major also provides valuable background for physical science technicians and engineering aides.

MATH 5A	Math Analysis I.....	5
MATH 5B	Math Analysis II.....	4
<b>Select one (1):</b> .....		<b>4-5</b>
CHEM 1A	General Chemistry .....	5
CHEM 3A	Introductory General Chemistry .....	4
<b>Select one (1):</b> .....		<b>3-5</b>
CHEM 1B	General Chemistry and Qualitative Analysis .....	5
CHEM 8	Elementary Organic Chemistry.....	3
<b>Select one (1) sequence:</b> .....		<b>8-12</b>
PHYS 2A, 2B	General Physics .....	4-4
PHYS 4A, 4B, 4C	Physics for Scientists and Engineers .....	4-4-4
<b>Total Units</b> .....		<b>24-31</b>

Advisors: Abbott, Inam

## REHABILITATION AIDE

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### **Program Goals:**

1. Students will be prepared to obtain an entry-level position as a rehabilitation aide, working under a physical therapist, physical therapy assistant, or occupational therapist.
2. Students who are currently certified nursing assistants will be prepared to transition as a restorative nursing assistant.
3. Students will be eligible to take the American Heart Association Basic Life Support provider certification.

### **Program Learning Outcomes:**

1. Students will be able to utilize office skills in a rehabilitation setting.
2. Students will be able to utilize basic rehabilitation procedures on patients.

## REHABILITATION AIDE

(MAJOR #C.4500.CA)

### CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Rehabilitation Aide is designed to prepare students for employment as an entry level rehabilitation aide who work directly under a medical therapeutic profession such as a physical therapist, physical therapy assistant, or occupational therapist. Rehabilitation Aides have clinical and office training to work in hospitals, rehabilitation centers, skilled nursing, and private practice clinics. Students will receive instruction in basic human anatomy and physiology, medical terminology, office skills, and basic rehabilitation procedures. No prerequisites are required and there are no enrollment limitations.

Student Selection and Fees: The program is open to enrollment and there is a selection process for admission to the program, in compliance with provisions of Title 5, sections 55201 and 58106. The mandatory fees would include uniforms for lab, insurance, and travel expenses to externship sites that students will incur, for the program as a whole or any of its constituent courses, aside from the ordinary course enrollment fee prescribed in Education Code section 76300.

<b>Required Courses</b> .....		<b>19-20</b>
COMM 10	Intercultural Communication .....	3
HCA 5	Introduction to Health Care and Careers.....	3
OT 10	Medical Terminology.....	3
OT 17	Job Retention and Responsibilities 1	
BIOL 122	Introduction to Concepts of Human Anatomy and Physiology .....	3
OR		
BIOL 5	Human Biology.....	4
REHT 111	Rehabilitation Aide .....	4
REHT 112	Rehabilitation Aide Externship ....	1.5
REHT 113	Seminar for Rehabilitation Aide Externship .....	0.5

**Total Units for the Major** ..... **19-20**

Advisor: Vea

## SOCIAL SCIENCE

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### **Program Learning Outcomes:**

1. Identify the main characteristics, concepts, ideas, and theories of at least four social science disciplines including Anthropology, Ethnic Studies, Geography, History, Political Science, Psychology, and Sociology.
2. Use Social Science concepts to analyze cultural, global, political, psychological, and social issues.

## SOCIAL SCIENCE

(MAJOR #C.7410.AA)

## ASSOCIATE IN ARTS DEGREE

Students who complete the requirements for the Social Science Associate Degree will acquire a knowledge of human behavior, society, and institutions through the study of courses in Anthropology, Economics, Ethnic Studies, Geography, History, Political Science, Psychology, and Sociology. The Social Science program is well suited for the transfer student who completes his/her education at Clovis Community College.

**Choose from FOUR separate disciplines**

ANTHRO 1	Biological Anthropology .....	3
ANTHRO 2	Cultural Anthropology .....	3
ANTHRO 3	Introduction to Archaeology and Prehistory .....	3
CHDEV 38 or PSY 38	Lifespan Development .....	3
ECON 1A	Principles of Macroeconomics .....	3
ECON 1B	Principles of Microeconomics .....	3
GEOG 6	World Regional Geography.....	3
HIST 1	Western Civilization to 1648.....	3
HIST 2	Western Civilization from 1648 .....	3
HIST 11	History of the United States to 1877 .....	3
HIST 12 or	History of the United States since 1877	
HIST 12H	Honors History of the United States since 1877 .....	3
HIST 20	World History I, to 1600.....	3
POLSCI 2 or POLSCI 2H	American Government Honors American Government .....	3
POLSCI 5	Comparative Government .....	3
POLSCI 110	American Institutions .....	3
PSY 2 or PSY 2H	General Psychology Honors General Psychology .....	3
PSY 5	Social Psychology .....	3
PSY 16	Abnormal Psychology .....	3
PSY 25	Human Sexuality .....	3
PSY 38 or CHDEV 38	Lifespan Development .....	3
SOC 1A	Introduction to Sociology .....	3
SOC 1B	Critical Thinking about Social Problems .....	3
SOC 2	American Minority Groups .....	3

SOC 32	Courtship, Marriage, and Divorce: Family & Interpersonal Relationships .....	3
<b>Total Units .....</b>		<b>21</b>

*Advisors: Brown, Fontes, Hanson, Huigen, Irish, Jackson-Ybarra, Libby, McPhee, Phillips, Ranganathan, Schoenburg, Walker*

## WATER TREATMENT AND DISTRIBUTION

## WASTEWATER TREATMENT

(MAJOR #C.8400.CA)

## CERTIFICATE OF ACHIEVEMENT

The certificate program in waste water treatment will provide students with skills to be able to; identify the physical, chemical, and biological characteristics of typical municipal sewage; interpret federal and state laws and regulations as they relate to wastewater treatment process; evaluate the performance and operation of the various processes involved in wastewater treatment; evaluate problems and provide solutions in the treatment system; and calculate pump requirements. These classes are designed for current employees in the field of waste water treatment.

**Required Courses .....**

COUN 47	Learning Strategies.....	2
OT 17	Job Retention and Responsibilities .....	1
WTD 106	Basic Wastewater Treatment and Distribution.....	3
WTD 107	Advanced Wastewater Treatment.....	3
WTD 114	Water Mathematics.....	3

**Select one option from the following : ....**

ENGL 125	Writing Skills for College and ENGL 126 Reading Skills for College.....	8
ENGL 130	Accelerated Writing and ENGL 126 Reading Skills for College.....	9
ENGL 1A	Reading and Composition.....	4
<b>Total Units .....</b>		<b>16-21</b>

*Advisor: Hurtado*

DRINKING WATER TREATMENT AND DISTRIBUTION

(MAJOR #C.8401.CA)

CERTIFICATE OF ACHIEVEMENT

The drinking water treatment and distribution certificate program is designed to provide skills and training to current and future water system employees. Students can learn about –treatment plant functions including pumping water, engineering systems, treatment strategies, dosing calculations and meeting state standards. The certificate also satisfies the state requirement to take the State Water Resources Quality Control Board certification exams for levels 1 through 5. Students can take basic and advanced courses and earn a certificate of achievement for the course sequence. There is another different sequence of classes for the waste water treatment certificate of achievement. Program advisories include English 125/126 and Math 201.

**Program Learning Outcomes:**

1. Educate and evaluate students as potential employees for the water treatment industry..
2. Explain the technical details used in the water treatment industry
3. Qualify students to take the state exam in water treatment or water distribution to potentially progress up the operator level system

**Required Course ..... 6**

COUN 47	Learning Strategies	2
OT 17	Job Retention and Responsibilities .....	1
WTD 101	Basic Drinking Water Treatment .....	3
WTD 102	Advanced Drinking Water Treatment .....	3
WTD 112	Water Distribution .....	3
WTD 115	Drinking Water Mathematics .....	3
ENGL 125	Writing Skills for College.....	4
ENGL 1A	Reading and Composition .....	4

**Total Units ..... 19**

*Advisor: Hurtado*

# ASSOCIATE DEGREES FOR TRANSFER

California Community Colleges are now offering associate degrees for transfer to the CSU. These may include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses.

Students who have been awarded an AA-T or AS-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units.

To view the most current list of Clovis Community College Associate Degrees for Transfer and to find out which CSU campuses accept each degree, please go to <http://adegreewithaguarantee.com>. Current and prospective community college students are encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

## ADMINISTRATION OF JUSTICE (CRIMINOLOGY)

### ASSOCIATE IN SCIENCE IN ADMINISTRATION OF JUSTICE FOR TRANSFER DEGREE

(MAJOR #C.8880.AS-T)

The Associate in Science in Administration of Justice for Transfer Degree prepares students for transfer into a four-year degree at any of the California State Universities campuses. The criminology program is the study of the causes, consequences, and control of crime and is focused on either the study of Law Enforcement or Corrections. While the program's curriculum allows for the development of depth in one of the subject's substantive subsystems (i.e. law enforcement, juvenile, courts, investigations, corrections, or probation and parole), our goal is to familiarize students with activities which focus on their area of choice (Law Enforcement or Corrections).

Successful completion of the Associate in Science in Administration of Justice for Transfer Degree guarantees the student acceptance to a California State University (but does not guarantee acceptance to a particular campus or major) to pursue a baccalaureate degree, in preparation to pursue a career in the field of Law Enforcement, Corrections, or any related field (i.e. Criminal Research, Law, Forensic Criminology, Public Safety or Private/Industrial Security).

#### **Program Learning Outcomes:**

1. Recognize the functions of the Criminal Justice System.
2. Be able to calculate how to work within a constitutional framework.

To obtain the Associate in Science in Administration of Justice for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a "C" grade or better in all courses required for the major or area of emphasis.

	<b>Required core courses..... 6</b>
CRIM 1	Introduction to Criminology..... 3
CRIM 6	Criminal Law..... 3
	<b>List B choose two of the following courses.. 6</b>
CRIM 3	Legal Aspects of Evidence ..... 3
CRIM 4	Principles & Procedures of the Justice System..... 3
CRIM 5	Community Relations ..... 3
CRIM 8	Criminal Investigations..... 3
CRIM 11	Juvenile Delinquency ..... 3
CRIM 20	Introduction to Corrections ..... 3

**List C choose any two of the following courses, minimum of 6 units ..... 6**

PSY 2 or PSY 2H	General Psychology Honors General Psychology .....	3
SOC 1A	Introduction to Sociology.....	3
STAT 7	Elementary Statistics	
MATH 11 or	Elementary Statistics.....	4
	Total Units for the Major .....	18-19

Advisor: G. Elliott

## ANTHROPOLOGY

### ASSOCIATE IN ARTS IN ANTHROPOLOGY FOR TRANSFER DEGREE

(MAJOR #C.7150.AA-T)

The Associate in Arts in Anthropology for Transfer degree (AA-T in Anthropology) will provide students with knowledge and skills in Anthropology and allow students to transfer to Anthropology programs within the California State University System, including California State University, Fresno. Anthropology is the study of humans. It includes Biological Anthropology which focuses on the evolution of our species and the study of other primates; Cultural Anthropology, which is the study of diverse modern cultures and cultural adaptations; and Archaeology, which is the study of past cultures. Professional Anthropologists work in a variety of fields including the management of cultural resources, forensics, primatology, and the management of museums and research facilities. Students who earn an Associate in Arts in Anthropology Transfer Degree from Clovis Community College will have an understanding of fundamental concepts of Anthropology including human evolution, past species of primates including hominids, diverse human cultures, and past cultures and civilizations. Students will have the ability to apply their knowledge to analyze data and solve problems.

#### Program Learning Outcomes:

Upon successful completion of the Associate in Arts in Anthropology for Transfer Degree, students will be able to:

1. Analyze and evaluate complex current social and cultural issues in Anthropology.
2. Demonstrate an understanding of major theoretical perspectives, concepts, and research findings in Anthropology and the nature of scientific inquiry.
3. Demonstrate an understanding of biological and cultural developments that affects human behaviors and shape human experience.
4. Demonstrate an understanding of anthropological analysis of organized society and the ethical implications and outcomes of gathering data.
5. Critically evaluate essential methods and tools of Anthropology.

#### Catalog Description

The Associate in Arts in Anthropology Transfer degree (AA-T in Anthropology) will give students an understanding of the biological and cultural characteristics of humans. Students will learn the techniques and methods of professional anthropologists and archaeologists. They will gain an understanding and appreciation for diverse cultures and societies around the world. They will also gain an understanding of the evolution and biological adaptations of humans and other primate species. Professional Anthropologists work in a variety of career fields including archaeology, cultural resource management, forensics, and historic preservation.

To obtain the Associate in Arts in Anthropology for Transfer Degree (AA-T in Anthropology), students must complete the following requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
  - (B) A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a C or better in all courses required for the major or area of emphasis.

#### Required Core ..... 9

ANTHRO 1	Biological Anthropology .....	3
ANTHRO 2	Cultural Anthropology .....	3
ANTHRO 4	Introduction to Archaeology .....	3

#### List A: Select one course from the following list..... 3

ANTHRO 3	Introduction to Archaeology and Prehistory .....	3
MATH 11	Elementary Statistics.....	4
STAT 7	Elementary Statistics.....	4

#### List B: Select one to two courses from the following list ..... 3-5

PSY 45	Introduction to Research Methods in Psychology.....	3
BIOL 20	Human Anatomy .....	4
GEOL 1	Physical Geology .....	4
GEOL 9	Introduction to Earth Science.....	4
GEOG 10	Introduction to Geographic Information Systems and Techniques, with lab.	3

**List C: Select one course from the following list..... 3**

GEOG 6 World Regional Geography..... 3

**Total Units for the Major ..... 18-20**

*Advisors: Taylor*

## ART

### ASSOCIATE IN ARTS IN ART HISTORY FOR TRANSFER DEGREE

(MAJOR #C.5204.AA-T)

The Associate in Arts in Art History for Transfer Degree prepares students for transfer to a California State University to complete a bachelor's degree with a maximum of 60 units.

The Associate in Arts in Art History for Transfer Degree emphasizes the study of cultural activities and artistic expression of human beings. Students will evaluate and interpret the ways in which people, throughout history, in different cultures and geographic locations, have responded to the world around them through artistic and cultural production. Students will learn fundamental art and art historical terminology, an appreciation for the creative process, and to analyze works of art in order to articulate the historical, social and aesthetic functions of art.

**Program Learning Outcomes:**

Upon completion of the Clovis Community College Associate in Arts in Art History for Transfer Degree, a student will be able to:

1. Apply knowledge of art historical terminology to the description of artwork.
2. Communicate effectively both verbally and in writing in order to describe and analyze the artistic contributions of diverse peoples.
3. Utilize critical thinking to discuss works of art in a personal, cultural, and global context.
4. Evaluate and analyze the strengths and weaknesses of an artworks effectiveness to visually communicate.

**Catalog Description**

The Associate in Arts in Art History for Transfer Degree is designed to give students a foundational understanding of art history. The primary focus is to prepare students for transfer into art history programs at the California State University (CSU) system. Students will learn fundamental art and art historical terminology, an appreciation of the creative process, and how to analyze works of art in order to articulate the historical, social and aesthetic functions of art across cultures and geographic boundaries.

To obtain the Associate in Arts in Art History for Transfer Degree (AA-T in Art History), students must complete the following requirements:

- (1) Completion of 60 semester units that are eligible for transfer to the California State University, including both of the following:
  - (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
  - (B) A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

**Required Core ..... 9**

ART 5	Art History 1.....	3
ART 6	Art History 2.....	3
<b>or</b>		
ART 6H	Honors Art History 2.....	3
ART 7	Beginning Drawing.....	3

**List A: Select one course from the following list .. 3**

ART 26	Arts of Africa, Oceania, Indigenous North America, and the Pre-Columbian Americas .....	3
ART 55	Introduction to Asian Art.....	3

Note: This course must be taken at Fresno City College

**List B: Select one course from the following list .. 3**

ART 3	Two-Dimensional Design .....	3
ART 4	Three-Dimensional Design.....	3
ART 30A	Illustrator: Beginning Computer Drawing and Design.....	3
ART 37A	Photoshop: Digital Visual Art.....	3
ART 41	Computerized Multimedia .....	3
ART 42	Computer Animation 3/D .....	3
PHOTO 1	Introduction to Digital Photography .....	3
ART 9	Beginning Painting: Oil and Acrylic3	
ART 19	Intermediate Painting: Oil and Acrylic.....	3

**List C: Select one course from the following list .. 3**

ART 2	Art Appreciation .....	3
CHIN 1	Beginning Chinese.....	4
CHIN 2	High-Beginning Chinese .....	4
FRENCH 1	Beginning French.....	4
FRENCH 2	High-Beginning French.....	4
FRENCH 3	Intermediate French.....	4
FRENCH 4	High-Intermediate French .....	4
HIST 1	Western Civilization to 1648 .....	3
HIST 2	Western Civilization from 1648.....	3

HIST 11	History of the United States to 18773
HIST 12	History of the United States since 1865 ..... 3
HIST 12H	Honors History of the United States since 1865..... 3
HIST 20	World History I, to 1600 ..... 3
HIST 22	History of American Women..... 3
PHIL 1	Introduction to Philosophy ..... 3
PHIL 1C	Ethics ..... 3
PHIL 1CH	Honors Ethics ..... 3
PHIL 1D	World Religions ..... 3
SPAN 1	Beginning Spanish ..... 5
SPAN 2	High-Beginning Spanish ..... 5
SPAN 3	Intermediate Spanish..... 5
SPAN 3NS	Spanish for Spanish Speakers..... 4
SPAN 4	High-Intermediate Spanish ..... 5
SPAN 4NS	Spanish for Spanish Speakers..... 4
SPAN 15	Practical Spanish Conversation, Intermediate Level ..... 3
SPAN 16	Practical Spanish Conversation, High-Intermediate Level..... 3
ANTHRO 1	Biological Anthropology ..... 3
ANTHRO 2	Cultural Anthropology ..... 3
ANTHRO 3	Introduction of Archaeology and Prehistory ..... 3
ECON 1A	Principles of Macroeconomics ..... 3
ECON 1B	Principles of Microeconomics ..... 3

**Total Units for the Major ..... 18-20**

*Advisors: S. Dent, Johnson, King, Ledgerwood*

### ASSOCIATE IN ARTS IN STUDIO ARTS FOR TRANSFER DEGREE

(MAJOR #C.5203.AA-T)

The Associate in Arts in Studio Arts for Transfer Degree is designed to give students basic skills in 2D and 3D composition, an introductory level of knowledge of art history and computer digital art familiarity. The primary focus is to prepare students for transfer into, as well as to complete, a Bachelors of Art degree program within the California State University system. The secondary focus is to prepare students to enter into the multiple career paths of visual communication fields such as graphic design, architecture, web-based media, animation, filmmaking, fine arts, and more. No other major engages or encourages creativity as much as an art major. Art and design permeate everything we see, hear, touch, wear, or otherwise interact with. A creative professional thought up the icons on your smartphone; designed the cut, color, and texture of your clothing; created the label on your favorite beverage; conceived of the characters in your favorite video game; told an engaging story through film or animation; and creatively solved a problem. With the exponential growth of computer based social networks and other digital forms of human exchange, artists and designers will continue to be

necessary and integral cultural producers, storytellers, and creative problem solvers. Studio Arts graduates are qualified for countless employment opportunities in the art, design, entertainment and creative fields.

#### **Program Learning Outcomes:**

1. Apply knowledge of the elements and principles of design to the description and/or production of artwork.
2. Communicate effectively in one or more of the following ways; verbally, written and visually with emphasis on concepts of content and form.
3. Understand the impact of the visual arts in a personal, cultural and global context.
4. Apply knowledge of techniques and media through production and description of artwork.
5. Evaluate and analyze the strengths and weaknesses of an artworks' effectiveness to visually communicate.
6. Solve visual problems through the artistic process.

To obtain the Associate in Arts in Studio Arts for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis.

#### **Required Core ..... 12**

ART 3	Two-Dimensional Design ..... 3
ART 4	Three-Dimensional Design ..... 3
ART 7	Beginning Drawing..... 3

#### **Select one course from:**

ART 6	Art History 2..... 3
ART 6H	Honors Art History 2..... 3

#### **List A ..... 3**

ART 5	Art History 1 ..... 3
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#### **List B ..... 9**

ART 9	Beginning Painting: Oil and Acrylic ..... 3
ART 17	Intermediate Drawing ..... 3
PHOTO 1	Introduction to Digital Photography ..... 3



ART 30A	Illustrator: Beginning Computer Drawing and Design .....	3
ART 37A	Photoshop: Digital Visual Art.....	3
<b>Total Units for the Major .....</b>		<b>24</b>

*Advisors: S. Dent, Johnson, King, Ledgerwood*

## BIOLOGY

### ASSOCIATE IN SCIENCE IN BIOLOGY FOR TRANSFER DEGREE

(MAJOR #C.6101.AS-T)

The Associate in Science in Biology for Transfer Degree (AS-T in Biology) prepares students for transfer to a California State University to complete a bachelor's degree with a maximum of 60 units. Biology graduates at the bachelors' level are qualified for a variety of technical positions with government or industry, and they are also well prepared to enter a graduate program in any other science or in engineering. Biology majors are welcomed into professional programs such as law, business, or medicine. Teaching at the high school level with a bachelor's degree or at a two-year college with a master's degree are additional career options for the biology major. For the biologist who obtains the Ph.D., experimental research and/or teaching at the university level or basic research in government or industry are options for gainful employment.

#### **Program Learning Outcomes:**

1. Demonstrate basic knowledge of comparative anatomy and comparative physiology.
2. Demonstrate basic microscopic techniques required for all Biology fields.
3. Critically evaluate scientific research.

The transfer major listed here reflects the core lower division requirements for many CSU and UC campuses. Students planning to transfer should contact a counselor for more information on program and transfer requirements. The Biological Sciences transfer major is designed for students who plan to earn a bachelor's degree in Biology or a related field. This transfer major also serves as a basis for students who want to pursue pre-medicine, pre-dentistry and pre-veterinarian degrees.

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

- c. Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

#### **Required Core .....**

BIOL11A	Biology for Science Majors I .....	5
BIOL 11B	Biology for Science Majors II .....	5
CHEM 1A	General Chemistry .....	5
CHEM 1B	General Chemistry and Qualitative Analysis .....	5
MATH 5A	Math Analysis I.....	5
PHYS 2A	General Physics I .....	4
and		
PHYS 2B	General Physics II .....	4
or		
PHYS 4A	Physics for Scientists and Engineers.....	4
and		
PHYS 4B	Physics for Scientists and Engineers.....	4
<b>Total Units for the Major .....</b>		<b>33</b>

*Advisors: Alcazar, Fallon, Hile, Nearn, Rutledge*

## BUSINESS

### ASSOCIATE IN SCIENCE IN BUSINESS ADMINISTRATION FOR TRANSFER DEGREE

(MAJOR #C.2050.AS-T)

The Associate in Science in Business Administration for Transfer Degree prepares students to transfer to a California State University in business. It provides students a broad knowledge of modern business and management theories through a carefully structured core curriculum consisting of courses in accounting, economics, and computer information systems.

#### **Program Learning Outcomes:**

1. Define Business, list the five functions of business, and describe each function.
2. Utilize effective oral communication skills in a variety of situations (including one-on-one and group presentations) and using a variety of formats.
3. Write effective business letters, memos, research papers, and other documents.
4. Conduct research using a variety of resources including published documents and web based resources.
5. Effectively and efficiently use technology (commonly used computers and software) as it relates to the world of business.
6. Discuss the basic accounting concepts and financial statements used regularly in business.
7. List and describe the major forces influencing human behavior in the workplace.

To obtain the Associate in Science in Business Administration for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis.

<b>Required Core .....</b>		<b>18</b>
ACCTG 4A	Financial Accounting .....	4
ACCTG 4B	Managerial Accounting .....	4
BA 18	Business Law and the Legal Environment .....	4
ECON 1A	Principles of Macroeconomics .....	3
ECON 1B	Principles of Microeconomics .....	3
<b>List A, select one course .....</b>		<b>3-4</b>
BA 39	Finite Mathematics for Business .....	3
MATH 11	Elementary Statistics.....	4
STAT 7	Elementary Statistics .....	4
<b>List B, select two courses .....</b>		<b>6-7</b>
Any course from List A not already used .....		3-4
IS 15	Computer Concepts .....	3
BA 10	Introduction to Business.....	3
<b>Total Units for the Major .....</b>		<b>27-29</b>

*Advisors: Alanis, Castaneda*

## CHILD DEVELOPMENT

### ASSOCIATE IN SCIENCE IN EARLY CHILDHOOD EDUCATION FOR TRANSFER DEGREE

(MAJOR #C.5605.AS-T)

Majoring in Child Development prepares students for jobs in a variety of early care and education settings as well as in related fields working with children and families. The Associate in Science in Early Childhood Education for Transfer Degree is designed for students who plan to complete a bachelor's degree in a similar major at the CSU campus.

#### **Program Learning Outcomes:**

1. Integrate understanding of the needs, the characteristics, and multiple influences on development of all children birth to age eight as related to high quality care and education of young children.
2. Analyze, demonstrate, and evaluated effective practice in working with young children.
3. Design, implement, and evaluate environments and activities that support positive developmental play and learning outcomes for all young children.
4. Apply effective guidance and interaction strategies that support all children's social learning, identity, and self-confidence.
5. Apply ethical standards and professional behaviors that demonstrate understanding and knowledge, deepening the commitment to Early Care and Education profession.

To obtain the Associate in Science in Early Childhood Education for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis.

CHDEV 1	Principles and Practices of Teaching Young Children.....	3
CHDEV 3	Introduction to Curriculum .....	3
CHDEV 6	Health, Safety and Nutrition in Early Childhood Education .....	3
CHDEV 15	Diversity and Culture in Early Care and Education Programs.....	3
CHDEV 20	Observation and Assessment.....	3
CHDEV 30	Child, Family, and Community .....	3
CHDEV 37A	Early Childhood Practicum .....	3
CHDEV 39	Child Growth and Development... ..	3
<b>Total Units for the Major .....</b>		<b>24</b>

*Advisors: Boynton, Romero, Turpen*

## ASSOCIATE IN ARTS IN ELEMENTARY TEACHER EDUCATION FOR TRANSFER DEGREE

(MAJOR #C.5891.AA-T)

The Associate in Arts in Elementary Teacher Education for Transfer Degree prepares students for transfer into a baccalaureate level degree at any of the California State University campuses. The Elementary Teacher Education program prepares students for jobs teaching in the Kindergarten through eighth (K-8) grades in the public and private education system. While the program's curriculum allows for the development of knowledge and skills in the subject matter taught in the K-8 grades students must ultimately complete a multiple subject credential usually after their Bachelor's degree in addition to passing the CBEST and CSET exams.

To obtain the Associate in Arts in Elementary Teacher Education for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a "C" grade or better in all courses required for the major or area of emphasis.

<b>Required Core courses .....</b>	<b>41-47</b>	
BIOL 3	Introduction to Life Science.....	4

or	BIOL 10	Introduction to Life Science Lecture .....	3
and	BIOL 10L	Introduction to Life Science Lab...	1
	CHDEV 39	Child Growth and Development .....	3
	COMM 1	Public Speaking.....	3
or	COMM 1H	Honors Public Speaking.....	3
	EDUC 10	Introduction to Teaching.....	3
	ENGL IA	Reading and Composition.....	4
or	ENGL IAH	Honors Reading and Composition.....	4
	ENGL 1B	Introduction to the Study of Literature .....	3
or	ENGL 1BH	Honors Introduction to the Study of Literature .....	3
	GEOG 6	World Regional Geography .....	3
	GEOL 9	Introduction to Earth Science.....	4
	HIST 11	History of the United States to 1877 .....	3
	HIST 20	World History I, to 1600.....	3
	MATH 10A	Structure and Concepts in Mathematics 1 .....	3
	SCI 1A	Introductory Chemical and Physical Science .....	4
	POLSCI 2	American Government.....	3
or	POLSCI2H	Honors American Government.....	3

A minimum of 18 semester units or 27 quarter

**List A .....** **41-47**

**Select one critical thinking course:**

COMM 25	Argumentation.....	3	
ENGL 3	Critical Reading and Writing .....	3	
or	ENGL 3H	Honors Critical Reading and Writing .....	3
PHIL 2	Critical Reasoning and Analytic Writing .....	3	

**List B .....** **3**

**Select one course:**

ART 2	Art Appreciation .....	3
MUS 12	Music Appreciation.....	3

**Total Units for the Major .....** **48**

*Advisors: Boynton, Nabors, Romero, Turpen*

## COMMUNICATION

### ASSOCIATE IN ARTS IN COMMUNICATION STUDIES FOR TRANSFER DEGREE

(MAJOR #C.5345.AA-T)

The Associate in Arts in Communication Studies for Transfer Degree is designed to prepare students to continue studies toward a B.A. degree in Communication or for entry level into a variety of career options that require competent and ethical communication skills. Students who pursue advanced communication degrees enjoy diverse employment that can range from college professor in Communication to Public Relations or a career in Mass Communications such as radio and television. Communication courses focus on how people use messages to generate meaning within and across various contexts, cultures, and channels.

**Program Learning Outcomes:**

1. Construct and deliver a presentation with communicative competence and confidence.
2. Demonstrate the dynamics of effective communication in a variety of settings and contexts.
3. Critically evaluate communicative situations.

To obtain the Associate in Arts in Communication Studies for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis.

<b>Required Core .....</b>	<b>3</b>
COMM 1 Public Speaking.....	3
or	
COMM 1H Honors Public Speaking.....	3

<b>List A Courses .....</b>	<b>6</b>
COMM 2 Interpersonal Communication .....	3
COMM 8 Group Communication .....	3
COMM 25 Argumentation.....	3

<b>List B Courses (any course from List A not used) .....</b>	<b>6</b>
ANTHRO 2 Cultural Anthropology .....	3

COMM 4 Persuasion .....	3
COMM 10 Intercultural Communication .....	3
COMM 12 Fundamentals of Interpretation.....	3
COMM 15 Computer-Mediated Communication .....	3
ENGL 3 Critical Thinking .....	3
ENGL 3H Honors Critical Thinking .....	3
PSY 2 General Psychology.....	3
PSY 2H Honors General Psychology.....	3
SOC 1A Introduction to Sociology.....	3

**List C Courses (any course from List A or B not used) .....** **3**

ENGL 1B Introduction to the Study of Literature .....	3
ENGL 1BH Honors Introduction to the Study of Literature .....	3
ANTHRO 2 Cultural Anthropology .....	3
PSY 2 General Psychology.....	3
PSY 2H Honors General Psychology.....	3
SOC 1A Introduction to Sociology.....	3

**Total Units for the Major .....** **18**

*Advisors: Briones, Martinez, Sarkisian, Vagim*

## ECONOMICS

### ASSOCIATE IN ARTS IN ECONOMICS FOR TRANSFER DEGREE

(MAJOR #C.7200.AA-T)

The Associate in Arts in Economics for Transfer degree is designed for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. The Associate in Arts in Economics for Transfer degree will acquaint students with the fundamentals of economic thinking and the principle concepts and theories of macroeconomics and microeconomics. The Associate in Arts in Economics for Transfer degree will also offer students the math and statistics preparation required for upper division coursework in economics. A background in economics allows students to pursue studies in a range of fields, including business, education, social work, and government policy.

**Program Learning Outcomes:**

1. Analyze basic economic information effectively orally, in writing, and graphically.
2. Understand the relationship between economic policy, unemployment, inflation, and economic growth.
3. Evaluate the structure of product markets both in writing and graphically.
4. Apply economic theory relating to consumer and producer choice.

To obtain the Associate in Arts in Economics for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis. A “P” (pass) grade is not an acceptable grade for courses in the major.

<b>Required Core .....</b>		<b>15</b>
ECON 1A	Principles of Macroeconomics .....	3
ECON 1B	Principles of Microeconomics .....	3
MATH 11	Elementary Statistics.....	4
OR		
STAT 7	Elementary Statistics.....	4
MATH 5A	Math Analysis I.....	5

<b>List A: Select one course from the following list.....</b>		<b>3-5</b>
ACCTG 4A	Financial Accounting .....	4
ACCTG 4B	Managerial Accounting.....	4
BA 5	Business Communications.....	3
BA 39	Finite Mathematics .....	3
IS 15	Computer Concepts .....	3
MATH 5B	Math Analysis II.....	4
MATH 17	Differential Equations and Linear Algebra .....	5

<b>List A: Select one course from the following list .....</b>		<b>3-5</b>
Any course from List A not already used		
OR		
MATH 6	Math Analysis III .....	5
<b>Total Units for the Major .....</b>		<b>21-25</b>

Advisors: Piper

## ENGLISH

### ASSOCIATE IN ARTS IN ENGLISH FOR TRANSFER DEGREE

(MAJOR #C.5301.AA-T)

This is a transfer degree for English majors at Clovis Community College. Completion of this major allows students to transfer to CSU as a junior.

#### **Program Learning Outcome:**

1. Write a passing documented thesis/argument based research paper, free of intentional or unintentional plagiarism with annotated bibliography.

According to the Bureau of Labor Statistics, a Bachelor's degree in English leads to employment in adult education, remedial education, literacy, and GED teaching. Other fields that employ English majors include counseling, editing, interpreting, translation, and K-12 teaching. A BA in English is also considered a rigorous, complementary education for careers in the legal profession including lawyers, paralegals, judges, and clerks. (Some professions require further certification, testing or degrees.) Between 2014 and 2024, the U.S. Bureau of Labor Statistics (BLS) projects nearly 1.9 million job openings for teachers of preschool through postsecondary school.

To obtain the Associate in Arts in English for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis.

#### **Required Core .....**

##### **Select one course:**

ENGL 1B	Introduction to the Study of Literature .....	3
ENGL 1BH	Honors Introduction to the Study of Literature .....	3
Select one course:		
ENGL 3	Critical Reading and Writing .....	3
ENGL 3H	Honors Critical Reading and	

	Writing .....	3
	<b>List A, choose two courses .....</b>	<b>6</b>
ENGL 43A	American Literature: Origins through Reconstruction 1877 .....	3
ENGL 43B	American Literature: 1877 to present .....	3
ENGL 44A	World Literature to the Renaissance .....	3
ENGL 44B	World Literature since the Renaissance .....	3
ENGL 46A	English Literature to 1800 .....	3
ENGL 46B	English Literature from 1800 to the Present .....	3
	<b>List B, select two course .....</b>	<b>3-6</b>
ENGL 15A	Creative Writing: Poetry .....	3
or		
ENGL 15B	Creative Writing: Fiction .....	3
or		
ENGL 15F	Creative Writing: Non-Fiction .....	3
	<b>List C, choose one course .....</b>	<b>3-4</b>
	<b>Any course from List A or List B not used above .....</b>	<b>3-4</b>
ASL 1	Beginning American Sign Language.....	4
ASL 2	High-Beginning American Sign Language.....	4
ASL 3	Intermediate American Sign Language.....	4
ASL 4	High-Intermediate American Sign Language.....	4
CHIN 1	Beginning Chinese.....	4
CHIN 2	High-Beginning Chinese .....	4
COMM 12	Fundamentals of Interpretation.....	4
ENGL 15F	Creative Writing: Screenwriting.....	3
ENGL 41	Themes in Literature .....	4
ENGL 47	Shakespeare .....	3
ENGL 49	Latino & Chicano Literature .....	3
FRENCH 1	Beginning French.....	4
FRENCH 2	High-Beginning French .....	4
FRENCH 3	Intermediate French .....	4
FRENCH 4	High-Intermediate French .....	4
GERMAN 1	Beginning German .....	4
GERMAN 2	High-Beginning German.....	4
GERMAN 3	Intermediate German .....	4
GERMAN 4	High-Intermediate German .....	4
LING 10	Introduction to Language .....	3
LING 11	Introduction to Language for Teachers .....	3
SPAN 1	Beginning Spanish .....	5
SPAN 2	High-Beginning Spanish .....	5

SPAN 3	Intermediate Spanish .....	5
SPAN 3NS	Spanish for Spanish Speakers .....	4
SPAN 4	High-Intermediate Spanish .....	5
SPAN 4NS	Spanish for Spanish Speakers .....	4

**Total Units for the Major .....**

*Advisors: Bennett, Brandon, Burdick, G. Dent, C. Elliott, Fritz, Hoover, Ishigaki, Ross, Rowley, Sanwo, Simonson, Torres*

## ENVIRONMENTAL SCIENCE

### ASSOCIATE IN SCIENCE IN ENVIRONMENTAL SCIENCE FOR TRANSFER DEGREE

(MAJOR #C.6000.AS-T)

Students will understand essential biological and physical processes, analyze human/environment interactions, understand different cultural perspectives on the environment, build critical thinking skills as the basis for decision making and sound value judgments, gain specialized analytical skills in at least one area of environmental science, build teamwork, leadership, conflict resolution skills, and develop effective communication skills.

**Program learning outcomes:**

1. Investigate and describe specific evidence used to construct individual scientific principles.
2. Utilize scientific methodologies when solving a problem.
3. Demonstrate knowledge of how human activities impact the physical and biological environments.
4. Apply concepts, models, and quantitative techniques from mathematics, life sciences, and physical sciences to solve complex problems related to the natural world.
5. Analyze, interpret, and evaluate quantitative and qualitative evidence regarding the causes and consequences of human impacts on the environment.

To obtain the Associate in Science in Environmental Science for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University.
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a "C" grade or better in all courses required for the major or area of emphasis.

**Required Core Courses..... 13-14**

BIOL 11A Biology for Science Majors I ..... 5

And

BIOL 11B Biology for Science Majors II ..... 5

And

CHEM 1A General Chemistry ..... 5

OR

BIOL 11A Biology for Science Majors I ..... 5

And

CHEM 1A General Chemistry ..... 5

And

CHEM 1B General Chemistry  
and Qualitative Analysis ..... 5

**List A ..... 13-14**

GEOL 1 Physical Geology ..... 4

MATH 5A Math Analysis I..... 5

MATH 11 Elementary Statistics..... 4

Or

STAT 7 Elementary Statistics..... 4

**List B: Select two or three courses  
from the following..... 11**

ECON 1B Principles of Microeconomics ..... 3

PHYS 2A General Physics I ..... 4

And

PHYS 2B General Physics II ..... 4

Or

PHYS 4A Physics for Scientists  
and Engineers..... 4

And

PHYS 4B Physics for Scientists  
and Engineers..... 4

**Total units for the major ..... 37-39**

Advisor: Hurtado

## GEOGRAPHY

### ASSOCIATE IN ARTS IN GEOGRAPHY FOR TRANSFER DEGREE

(MAJOR #C.7300.AA-T)

The Associate in Arts in Geography for Transfer degree (AA-T in Geography) will provide students with knowledge and skills in Geography, and allow students to transfer to Geography programs within the California State University system. Geography is the study of the physical and cultural characteristics of the earth and the spatial relationships of phenomena on and within the earth. Professional Geographers work in a variety of fields including Urban Planning, Cartography and analysis utilizing Geographic

Information Systems (G.I.S.), and in Environmental Science/ Resource Management professions as well as in many other related fields. Students who earn an Associate in Arts in Geography Transfer degree from Clovis Community College will have an understanding of fundamental geographic concepts including: weather and climate, landforms, cartography, cultural geography, and regional geography. Students will also have the ability to apply their knowledge to analyze data and solve problems.

**Program Learning Outcomes:**

Upon successful completion of the Associate in Arts in Geography for Transfer degree, students will be able to:

1. Recognize, identify and discuss the major geographic features of the regions studied.
2. Use a map to illustrate the geographic features of the regions studied.
3. Discuss the current major geopolitical and domestic issues in the regions studied using an international perspective.

**Catalog Description**

The Associate in Arts in Geography for Transfer degree (AA-T in Geography) will give students an understanding of the physical and cultural characteristics of the earth and the spatial interrelationships of phenomena on and within the earth at local, regional, and global scales. Professional Geographers work in many different fields including Urban Planning, Cartography and analysis using computer systems known as Geographic Information Systems (G.I.S.), and in the Environmental Science/ Resource Management professions.

To obtain the Associate in Arts in Geography for Transfer Degree (AA-T in Geography), students must complete the following requirements:

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

- (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
  - (B) A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a C or better in all courses required for the major or area of emphasis.

**Required Core ..... 6-7**

GEOG 1 Physical Geography ..... 3

GEOG 2 Cultural Geography ..... 3

ART 7 Beginning Drawing ..... 3

**List A: Select two to three courses from the following list..... 6-7**

GEOG 6	World Regional Geography..... 3
GEOG 20	California Geography..... 3
GEOG 10	Introduction to Geographic Information Systems and Techniques, with Lab ..... 3

**List B: Select two courses from the following list ..... 3**

Any LIST A course not already used..... 3
ANTHRO 2 Cultural Anthropology ..... 3

**Total Units for the Major ..... 18-21**

Advisors: McPhee and Phillips

**HISTORY**

**ASSOCIATE IN ARTS IN HISTORY FOR TRANSFER DEGREE**

MAJOR (C.7380.AA-T)

The Associate in Arts in History for Transfer Degree provides a clear track for students wishing to transfer to a CSU campus, exposes students to the principles and practices of the discipline of History, and builds a foundation for students’ personal, academic, and professional endeavors.

The degree enables students to transfer to certain CSU four-year programs, preparing them for advanced university studies and potential careers in areas such as teaching, archival research, public history, government service, journalism, business, and law. History graduates are well suited for fields that require effective reading, writing, and critical thinking skills, as well as historically informed perspectives on contemporary global society.

The Associate in Arts in History for Transfer Degree provides students with a major that fulfills the general requirements of the California State University for transfer. Students with this degree will receive priority admission with junior status to the California State University system.

**Program Learning Outcome:**

1. Upon completing the Associate in Arts in History for Transfer Degree students will be able to identify important people, events, and factors influencing the direction of human history.

To obtain the Associate in Arts in History for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California

State University General Education – Breadth requirements.

- b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis.

**Required Core- 6 units**

HIST 11	History of the United States to 1877 ..... 3
HIST 12	History of the United States Since 1865 ..... 3
or	
HIST 12H	Honors History of the United States since 1865..... 3

**List A, select a total of 2 courses below**

(1 course from each area) - 6 units

Area 1:

HIST 1	Western Civilization to 1648..... 3
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or

HIST 20	World History I, to 1600..... 3
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Area 2:

HIST 2	Western Civilization from 1648 ..... 3
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or

HIST 23	World History II, since 1500..... 3
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**List B1, one course required - 3-4**

ASL 1	Beginning American Sign Language..... 4
ASL 2	High-Beginning American Sign Language..... 4
ASL 3	Intermediate American Sign Language..... 4
ASL 4	High-Intermediate American Sign Language..... 4
CHIN 1	Beginning Chinese..... 4
CHIN 2	High-Beginning Chinese ..... 4
COMM 10	Intercultural Communication ..... 3
ENGL 44A	World Literature to the Renaissance ..... 3
ENGL 44B	World Literature Since the Renaissance ..... 3
ENGL 49	Latino & Chicano Literature ..... 3
FRENCH 1	Beginning French..... 4
FRENCH 2	High-Beginning French..... 4
FRENCH 3	Intermediate French..... 4



FRENCH 4	High-Intermediate French .....	4
GERMAN 1	Beginning German .....	4
GERMAN 2	High-Beginning German .....	4
GERMAN 3	Intermediate German .....	4
GERMAN 4	High-Intermediate German.....	4
HIST 20	World History I, to 1600.....	3
PHIL 1D	World Religions .....	3
POLSCI 5	Comparative Government.....	3
SOC 2	American Minority Groups .....	3
SPAN 1	Beginning Spanish.....	5
SPAN 2	High-Beginning Spanish .....	5
SPAN 3	Intermediate Spanish.....	5
SPAN 3NS	Spanish for Spanish Speakers.....	4
SPAN 4	High-Intermediate Spanish .....	5
SPAN 4NS	Spanish for Spanish Speakers.....	4

**List B2, one course required - 3 units**

ANTHRO 2	Cultural Anthropology .....	3
ART 2	Art Appreciation .....	3
ART 6	Art History 2.....	3
ART 6H	Honors Art History 2.....	3
FILM 1	Introduction to Film Studies .....	3
FILM 2A	History of Cinema: 1895-1960 .....	3
FILM 2B	History of Cinema: 1960 to present .....	3
HIST 1	Western Civilization to 1648.....	3
HIST 20	World History I, to 1600.....	3
MUS 12	Music Appreciation.....	3
MUS 16	Jazz History and Appreciation.....	3
PSY 2	General Psychology.....	3
PSY 2H	Honors General Psychology.....	3
SOC 1A	Introduction to Sociology.....	3

Note: History 1 and/or 20 may be used in only one area

**Total Units for the Major .....** 18-19

*Advisors: Fontes, Hanson, Libby*

## KINESIOLOGY

### ASSOCIATE IN ARTS IN KINESIOLOGY FOR TRANSFER DEGREE

(MAJOR #C.1270.AA-T)

The Associate in Arts in Kinesiology for Transfer Degree prepares students for transfer into four-year kinesiology programs. A diverse field of academic study and practical application in kinesiology allows students to pursue studies in fields such as kinesiology/physical education credential programs, exercise science, athletic training/

sports medicine, and sports administration.

#### **Program Learning Outcomes:**

1. Plan, implement, practice, and/or measure appropriate physical activities, which promote improved levels of muscular strength and endurance, cardio-respiratory endurance, flexibility, and body composition.
2. Acquire skills and/or knowledge of skill sets (physical and/or psychological), demonstrate basic knowledge of rules and/or terminology and identify necessary equipment for specific physical activities and programs.
3. Recognize the relationship between physical activity, fitness, and wellness.
4. Briefly summarize historical events and trends in relationship to physical education, identify policies and practices of physical educators and programs, and recognize the sub-levels of the discipline.

To obtain the Associate in Arts in Kinesiology for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis.

#### **Required Core .....** 12

BIOL 20	Human Anatomy .....	4
BIOL 22	Human Physiology.....	5
KINES 22	Introduction to Physical Education .....	3

#### **Select three units from the following with at least three courses:**

DANCE 9	Dance Conditioning .....	1
DANCE 10	Modern Dance.....	1
DANCE 14	Beginning Jazz Dance.....	1
DANCE 15	Intermediate Jazz Dance Technique.....	1
DANCE 28	Intermediate Modern Dance Technique.....	1
PE 2 Aerobics	(Dance, Step or Water).....	1
PE 6	Fitness And Health.....	1
PE 7	Golf.....	0.5
PE 8	Martial Arts / Self Defense .....	1

PE 12	Beginning Swim for Fitness .....	0.5
PE 12B	Intermediate Swim for Fitness .....	0.5
PE 14	Volleyball .....	1
PE 15	Weight Training.....	1
PE 15B	Advanced Weight Training .....	1
PE 16	Fitness Walking .....	1
PE 18	Floor Exercises .....	1
PE 19	Weight Training and Aerobics .....	1
PE 19B	Advanced Weight Training and Aerobics.....	1
PE 29	Yoga.....	1
PE 36B	Competitive Soccer .....	3
PE 36C	Off-season Conditioning for Soccer.....	1
PE 43B	Competitive Swimming and Diving.....	3
PE 43C	Off-Season Conditioning for Swimming .....	3
PE 45	Performance Training/ Conditioning Technique/ Intercollegiate Athletes.....	1-2
PE 49	Weight Training for Collegiate Athletes.....	1
PE 49A	Beginning Circuit Training .....	1
PE 71	Soccer.....	1

**List A: Select two courses from the following 6**

BIOL 5	Human Biology .....	4
CHEM 1A	General Chemistry .....	5
HLTH 2	First Aid and Safety.....	3
MATH 11	Elementary Statistics or Elementary Statistics.....	4
PHYS 2A	General Physics I or Physics for Scientists and Engineers.....	4
PHYS 4A	Physics for Scientists and Engineers.....	4
	Total Units for the Major .....	21-24

Advisor: Allen, Ramirez

**MATHEMATICS**

**ASSOCIATE IN SCIENCE IN MATHEMATICS FOR TRANSFER DEGREE**

(MAJOR #C.6200.AS-T)

The Associate in Science in Mathematics for Transfer Degree prepares students for transfer into four-year mathematics programs. A strong mathematics background allows students to pursue studies in fields such as mathematics education, engineering, information technology, statistical analysis, physical science, and advanced mathematics.

The program is suited to the needs of students who will complete their education at Clovis Community College with

an A.S. degree, as well as those students who will complete their Clovis Community College Associate in Science in Mathematics for Transfer Degree who transfer to a four year institution to complete their bachelor’s degree. Successful completion of the Associate in Science in Mathematics for Transfer Degree guarantees the student acceptance to a California State University (but does not guarantee acceptance to a particular campus or major) to pursue a baccalaureate degree, in preparation to pursue a career in the field of mathematics, engineering, statistics, actuarial science, business and management, law enforcement, government, and education.

**Program Learning Outcomes:**

1. Communicate mathematics with understanding (read, write, listen, speak).
2. Use critical thinking and mathematical reasoning to solve a variety of problems.
3. Apply mathematical models to real world situations.
4. Use technology, when appropriate, to enhance their mathematical understanding, critical thinking, and problem solving skills.
5. Demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.

To obtain the Associate in Science in Mathematics for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis.

Math Core.....	17	
MATH 5A	Math Analysis I .....	5
MATH 5B	Math Analysis II .....	4
MATH 6	Math Analysis III .....	5
MATH 17	Differential Equations and Linear Algebra .....	5

**Select one (1) course from Group A ..... 4**

CSCI 26	Discrete Mathematics for Computer Science .....	4
CSCI 40	Programming Concepts and Methodology I .....	4
ENGR 40	Programming for Scientists	

	and Engineers .....	4
MATH 11	Elementary Statistics .....	4
PHYS 4A	Physics For Scientists and Engineers .....	4
STAT 7	Elementary Statistics .....	4
	Total Units for the Major .....	21

*Advisors: Choate, Gardner, Graves, Hickey, Hitchcock, Peterson, Renwick, Shepherd, Somayajulu, Sullivan, Tague*

## PHILOSOPHY

### ASSOCIATE IN ARTS IN PHILOSOPHY FOR TRANSFER DEGREE

(MAJOR #C.5710.AA-T)

An Associate in Arts in Philosophy for Transfer Degree is designed for students who plan to complete a bachelor's degree in philosophy or a related major. In addition to providing a strong philosophical foundation, the Associate in Arts in Philosophy for Transfer Degree is designed to develop critical thinking skills, as well as enhance the ability to read, comprehend, and analyze complex arguments on a variety of issues. These skills will be valuable assets to transfer students to four-year institutions, whether they major in philosophy or another field of study.

#### **Program Learning Outcomes:**

1. Analyze deductive arguments for validity and soundness.
2. Understand the difference between deductive and inductive arguments.
3. Write a cogent argumentative essay.
4. Respect the values of dialogue, argumentation, and principled criticism in a societal and global context.
5. Explain the most important issues in philosophy and accurately characterize various opposing viewpoints on them.
6. Thoroughly and accurately describe the arguments for opposing viewpoints on philosophical issues.
7. Construct arguments of their own on philosophical issues and express their arguments clearly and cogently.
8. Respond to objections to their own views and engage in rational dialogue on philosophical issues without resorting to logical fallacies or rhetoric.
9. See philosophical questioning and rational dialogue as valuable and essential elements of a human life well lived.

To obtain the Associate in Arts in Philosophy for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer

Curriculum (IGETC) or the California State University General Education – Breadth requirements.

- b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis.

#### **Required Core..... 6**

Select 1 course from the following:

PHIL 4	Introduction to Logic.....	3
PHIL 6	Symbolic Logic .....	3

#### **Select 1 course from the following:**

PHIL 1	Introduction to Philosophy .....	3
PHIL 1C	Ethics .....	3
or		
PHIL 1CH	Honors Ethics .....	3

#### **List A Courses..... 3**

PHIL 2	Introduction to Philosophy .....	3
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Critical Reasoning and Analytic Writing or any course from core not already used.

#### **List B..... 3**

#### **Select 1 course from the following:**

#### **Any course from List A not already used.**

HIST 1	Western Civilization to 1648 .....	3
HIST 2	Western Civilization from 1648 .....	3
PHIL 1D	World Religions .....	3
List C	3 units	
ASL 1	Beginning American Sign Language .....	4
ASL 2	High-Beginning American Sign Language .....	4
ASL 3	Intermediate American Sign Language .....	4
ASL 4	High-Intermediate American Sign Language .....	4
CHIN 1	Beginning Chinese .....	4
CHIN 2	High-Beginning Chinese .....	4
ENGL 1B	Introduction to the Study of Literature .....	3
ENGL 1BH	Honors Introduction to the Study of Literature .....	3
ENGL 43A	American Literature: Origins through Reconstruction (1877) .....	3
ENGL 43B	American Literature: 1877 to present .....	3
ENGL 44A	World Literature to the Renaissance .....	3
ENGL 44B	World Literature since the Renaissance .....	3

ENGL 46A	English Literature to 1800 .....	3
ENGL 46B	English Literature from 1800 to the Present .....	3
ENGL 47	Shakespeare .....	3
ENGL 49	Latino & Chicano Literature .....	3
FILM 2A	History of Cinema: 1895-1960 .....	3
FILM 2B	History of Cinema: 1960 to present .....	3
FRENCH 1	Beginning French .....	4
FRENCH 2	High-Beginning French.....	4
FRENCH 3	Intermediate French .....	4
FRENCH 4	High-Intermediate French .....	4
GERMAN 1	Beginning German .....	4
GERMAN 2	High-Beginning German .....	4
GERMAN 3	Intermediate German .....	4
GERMAN 4	High-Intermediate German .....	4
HIST 11	History of the United States to 1877 .....	3
HIST 12	History of the United States since 1865 .....	3
or		
HIST 12H	Honors History of the United States since 1865 .....	3
HIST 20	World History I, to 1600 .....	3
LING 10	Introduction to Language.....	3
LING 11	Introduction to Language for Teachers .....	3
SPAN 1	Beginning Spanish.....	5
SPAN 2	High-Beginning Spanish .....	5
SPAN 3	Intermediate Spanish.....	5
SPAN 3NS	Spanish for Spanish Speakers .....	4
SPAN 4	High-Intermediate Spanish .....	5
SPAN 4NS	Spanish for Spanish Speakers.....	4
or any course not used above in List A or List B		
<b>Total Units for the Major .....</b>		<b>57</b>

*Advisors: Bogosian, Stannard*

## PHYSICS

### ASSOCIATE IN SCIENCE IN PHYSICS FOR TRANSFER DEGREE

(MAJOR #C.3664.AS-T)

Physics is the study of the relationship between mass and energy and provides a broad range of knowledge and problem solving skills that are useful in many disciplines. The program at Clovis Community College emphasizes topics that are encountered in our everyday lives: linear and rotational motion in two and three dimensions, forces, gravity, fluids, waves, sound, heat, electricity, magnetism, and light. The following topics are also briefly introduced:

special relativity, atoms, introduction to quantum mechanics, and the cosmos are also included.

A physics major degree generally transfers to a four-year institution to complete a bachelor's degree. Physics graduates at the bachelors' level are qualified for a variety of technical positions with government or industry, and they are also well prepared to enter a graduate program in any other science or in engineering. Physics majors are welcomed into professional programs such as law, business, or medicine. Teaching at the high school level with a bachelor's degree or at a two-year college with a masters' degree are additional career options for the physics major. For the physicist who obtains the Ph.D., experimental or theoretical research and/or teaching at the university level or basic research in government or industry are options for gainful employment.

Many four-year colleges and universities offer bachelors degrees in physics. There are some systems and institutions that offer the advanced degrees in physics. Requirements vary from system to system and from campus to campus for each level of degree. The advice of a counselor and consultation of institutional catalogs for specific information is highly recommended.

#### **Program Learning Outcomes:**

1. Apply algebra, trigonometry, and/or first-year calculus to solve physical problems within the topics covered in class.

To obtain the Associate in Science in Physics for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a "C" grade or better in all courses required for the major or area of emphasis.

#### **Required Core - 25 units**

PHYS 4A	Physics for Scientists and Engineers.....	4
PHYS 4B	Physics for Scientists and Engineers.....	4
PHYS 4C	Physics for Scientists and Engineers.....	4
MATH 5A	Math Analysis I.....	5
MATH 5B	Math Analysis II.....	4

MATH 6	Math Analysis III .....	5
<b>Total Units for the Major.....</b>		<b>26</b>

Advisors: Abbott, Inan

## POLITICAL SCIENCE

### ASSOCIATE IN ARTS IN POLITICAL SCIENCE TRANSFER DEGREE

(MAJOR #C.7450.AA-T)

The Associate in Arts in Political Science for Transfer Degree allows students to begin their major in Political Science at Clovis Community College and transfer to a CSU campus for completion in pursuit of a Bachelor of Arts degree. The courses offered as part of the AAT in Political Science degree give students a strong foundation in the study of American politics and government, nation-states, international actors, political theory, and political science methodology. In this way, students will be prepared for a broad spectrum of pursuits within the discipline, including, but not limited to, public administration, law, public relations, lobbying, political consulting, crisis management, journalism, public policy research, higher education, and K-12 education.

#### **Program Learning Outcomes:**

1. Describe the historically significant theories employed within the discipline of political science
2. Interpret and evaluate political events through a critical comparison of local, state, national and international political frameworks and institutions
3. Explain the complex relationship between political culture, diverse political institutions, and patterns of global engagement.

To obtain the Associate in Arts in Psychology for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis.

#### **Required Core.....**

POLSCI 2	American Government .....	3
or		
POLSCI 2H	Honors American Government.....	3

**LIST A:** Select three courses from below:

POLSCI 3	Introduction to Political Theory and Thought.....	3
POLSCI 5	Comparative Government.....	3
POLSCI 24	International Relations.....	3
MATH 11	Elementary Statistics.....	4
OR		
STAT 7	Elementary Statistics.....	4

**LIST B: Select three courses from below:**

**Any course from LIST A not already used.**

ECON 1A	Principles of Macroeconomics.....	3
ECON 1B	Principles of Microeconomics.....	3
GEOG 6	World Regional Geography.....	3
HIST 1	Western Civilization to 1648.....	3
HIST 2	Western Civilization from 1648.....	3
HIST 11	History of the United States to 1877.....	3
HIST 12	History of the United States from 1865 to the Present.....	3
OR		
HIST 12H	Honors History of the United States from 1865 to the Present.....	3
HIST 20	World History I, to 1600.....	3
SOC 1B	Critical Thinking about Social Programs .....	3
SOC 2	American Minority Groups.....	3

#### **Total Units for the Major.....**

33-34  
Advisor: Brown, Jackson-Ybarra

PSYCHOLOGY

ASSOCIATE IN ARTS IN PSYCHOLOGY FOR TRANSFER DEGREE

(MAJOR #C.7550.AA-T)

The Associate in Arts in Psychology for Transfer Degree prepares students for transfer into four-year Psychology programs. The degree provides academic preparation in statistics and biology, in addition to the fundamentals of lower division psychology coursework. A background in psychology allows students to pursue studies in a range of fields, including education, social work, and counseling.

**Program Learning Outcomes:**

1. Analyze major psychological theories and research, and apply them when examining behavior and mental processes.
2. Synthesize knowledge regarding biological, psychological, and sociocultural influences on behavior and mental processes.
3. Critically evaluate scientific claims within the field of psychology and differentiate from pseudoscience.
4. Utilize psychological applications in the pursuit of self-improvement (e.g., develop effective college learning skills) and relationships

To obtain the Associate in Arts in Psychology for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis. A “P” (pass) grade is not an acceptable grade for courses in the major.

**Required Core.....14**

PSY 45	Introduction to Research Methods in Psychology .....	3
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**Select one course from:**

BIOL 3	Introduction to Life Science.....	4
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OR

BIOL 10	Introduction to Life Science Lecture .....	3
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and		
BIOL 10L	Introduction to Life Science Lab....	1

BIOL 5	Human Biology .....	4
BIOL 11A	Biology for Science Majors I.....	5

**Select one course from:**

MATH 11	Elementary Statistics.....	4
STAT 7	Elementary Statistics.....	4

**Select one course from:**

PSY 2	General Psychology.....	3
PSY 2H	Honors General Psychology.....	3

**List B (Choose one of the following) ..... 3**

CHDEV 38	Lifespan Development.....	3
CHDEV 39	Child Growth and Development .....	3
PSY 5	Social Psychology.....	3
SOC 1A	Introduction to Sociology.....	3
PSY 38	Lifespan Development.....	3

**List C (Choose one of the following) ..... 3**

Any course not selected above		
PSY 16	Abnormal Psychology .....	3
PSY 25	Human Sexuality .....	3
CSCI 40	Programming Concepts and Methodology .....	4
Math 5A	Math Analysis I.....	5
Math 5B	Math Analysis II.....	4

**Total Units for the Major .....20-23**

*Advisors: Irish, Schoenburg, Walker*

SOCIAL JUSTICE STUDIES

ASSOCIATE IN ARTS IN SOCIAL JUSTICE STUDIES FOR TRANSFER DEGREE

(MAJOR #C.7611.AA-T)

The Associate in Arts in Social Justice Studies (General) for Transfer degree is a study in the field of social justice. Whereas sociology is the study of society, the social construction of reality and social interaction with an emphasis on how social structure creates inequality based on group membership, such as ethnicity, class and gender, social justice is an interdisciplinary field of study that permits students to focus on the intersection of gender, ethnicity/ race, class, and sexual orientation, as pertaining to issues of politics, economics, environment, and education. Students may study social justice issues in local, national, and international arenas, examining social movements and social changes so that they may become more informed citizens and community leaders.

**Program Learning Outcomes:**

1. Identify and analyze the ways injustices are institutionalized in social, political, and economic structures.
2. Recognize and connect the ways individuals and institutions may be beneficiaries and/or victims of social injustice.
3. Identify and practice the methods people use to fight for social justice at local, national, and international levels.

To obtain the Associate in Arts in Social Justice Studies for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a C or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is not an acceptable grade for courses in the major.

<b>Required Core Courses.....</b>	<b>9</b>
SOC 3	Introduction to Social Justice Studies .....
SOC 11	Sociology of Gender .....
SOC 2	American Minority Groups .....

**List A: Select three courses from at least two of the following areas ..... 9**

<b>Area 1: History or Government .....</b>	<b>3</b>
HIST 11	U.S. History to 1877 .....
HIST 12	U.S. History from 1865 .....
HIST 12H	Honors U.S. History from 1865 .....
POLSCI 2	American Government.....
POLSCI 2H	Honors American Government.....

<b>Area 2: Arts and Humanities .....</b>	<b>3</b>
ART 26	Art of Africa, Oceania, and Indigenous North America
ENGL 49	Latino and Chicano Literature.....
MUS 16	Jazz History and Appreciation.....
MUS 16A	Hip Hop Music and Culture .....
PHIL 1C	Ethics .....
PHIL 1CH	Honors Ethics .....
SPAN 2	High-Beginning Spanish .....
SPAN 3	Intermediate Spanish.....

**Area 3: Social Science..... 3**

ANTHRO 2	Cultural Anthropology .....
COMM 10	Intercultural Communication .....
GEOG 2	Cultural Geography .....
PSY 5	Social Psychology.....
SOC 1A	Introduction to Sociology.....
SOC 1B	Critical Thinking and Social Problems.....

**Area 4: Quantitative Reasoning and research Methods ..... 3**

MATH 11	Elementary Statistics.....
STAT 7	Elementary Statistics.....
PSY 45	Introduction to Research Methods in Psychology.....

**Total units for the major ..... 18-20**

*Advisors: Torres*

## SOCIOLOGY

### ASSOCIATE IN ARTS IN SOCIOLOGY FOR TRANSFER DEGREE

(MAJOR #C.7610.AA-T)

Sociology is the scientific, systematic study of human society and social interaction. The sociological perspective is a powerful tool to critically analyze and understand contemporary society at the local, regional, national, and global levels. Sociology focuses on face-to-face social interactions as well as on large-scale social institutions such as economy, politics, education, mass media, religion, and the criminal justice system. Sociology's subject matter ranges from the intimate family setting to the large, impersonal organization, from the world of work to the world of sport, from social divisions of class, race, and gender to cultural bonds based on shared values and traditions. It emphasizes how individual behavior is influenced by the structure of society and how individual behavior can influence the structure of society. All classes emphasize multicultural and gender issues. A sociology major usually transfers to a four-year institution to complete a Bachelor's Degree. Because of the broad scope of subject matter, sociology is excellent preparation for a wide range of career paths, including teaching, journalism, law, business, communications, nonprofit management, corrections/law enforcement, social work, counseling, urban planning, public service, and politics.

**Program Learning Outcomes:**

1. Prepare students with the knowledge and skills required to succeed in the study of sociology.
2. Provide students with the skills for critical thinking and perceptive reading.
3. Provide students with the skills for sociological analysis.

To obtain the Associate in Arts in Sociology for Transfer

Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis.

**Required Core - 10 units including List A**

SOC 1A Introduction to Sociology..... 3

**List A - 7 units**

SOC 1B Critical Thinking about Social Problems..... 3

Select one Statistics course

MATH 11 Elementary Statistics..... 4

STAT 7 Elementary Statistics..... 4

**List B - 6 units**

SOC 2 American Minority Groups..... 3

PSY 5 Social Psychology..... 3

SOC 32 Courtship, Marriage, and Divorce: Family & Interpersonal Relationships..... 3

**List C - 3 units**

ANTHRO 2 Cultural Anthropology..... 3

**Total Units for the Major..... 19**

*Advisor: Huigen, Ranganathan*

**SPANISH**

**ASSOCIATE IN ARTS IN SPANISH FOR TRANSFER DEGREE**

(MAJOR #C.5550.AA-T)

The Associate in Arts in Spanish for Transfer Degree prepares students for transfer to four-year Spanish programs at a CSU campus. Students will acquire the Spanish language in a culturally rich environment and will attain the receptive skills (listening and reading) and the productive skills (speaking and writing) necessary for the communicative competence required for upper division courses in Spanish at a CSU campus. The Associate in Arts in Spanish for Transfer Degree is appropriate for students considering careers in fields such as education, health, social

services, business, international relations, translation and interpretation, and tourism.

Note: Students entering the Spanish Program at Spanish 2 or higher are required to satisfy the specific unit requirements of the degree. Students must consult with the Foreign Language Department for approval of course substitutions not included in the list of recommended courses.

**Program Learning Outcomes:**

1. Engage in conversation using Spanish in daily life situations.
2. Read with a certain depth of understanding magazine or newspaper articles, short stories and literary excerpts in Spanish.
3. Write at the intermediate level in Spanish in a variety of modalities including personal and professional letters, short narratives and descriptive essays.
4. Recognize and understand cultural similarities and differences between U.S. culture and that of the Spanish-speaking world. Distinguish simple behavioral patterns that represent these cultures and behave in culturally appropriate ways in specific situations.

To obtain the Associate in Science in Administration of Justice for Transfer Degree, students must complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education - Breadth requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer (ADTs) also require that students must earn a “C” grade or better in all courses required for the major or area of emphasis.

**Required Core..... 16**

SPAN 1 Beginning Spanish..... 5  
 SPAN 2 High-beginning Spanish ..... 5  
 SPAN 3 Intermediate Spanish..... 5  
 SPAN 3NS Spanish for Spanish Speakers..... 4  
 SPAN 4 High-Intermediate Spanish ..... 5  
 SPAN 4NS Spanish for Spanish Speakers..... 4



**List A - 3-4 units**

SPAN 15	Practical Spanish Conversation, Intermediate Level.....	3
SPAN 16	Practical Spanish Conversation, High-Intermediate Level.....	3
ENGL 49	Latino & Chicano Literature.....	3
FRENCH 1	Beginning French.....	4
FRENCH 2	High-Beginning French.....	4
FRENCH 3	Intermediate French.....	4
FRENCH 4	High-Intermediate French .....	4

**Substitution Courses**

ANTHRO 2	Cultural Anthropology .....	3
COMM 10	Intercultural Communication.....	3
SOC 2	American Minority Groups.....	3

*Advisor: Gutierrez*

# COURSE DESCRIPTION INFORMATION

## Course Description Information

The schedule of classes generally runs from 7:00 a.m. to 10:00 p.m., Monday through Friday. Courses are also available in communities throughout our district. Students may complete work toward the Associate Degrees and Certificates either during the day, evening, or Saturday sessions, or by a combination.

Summer Session: summer sessions are part of the instructional program and are offered during the day in four- and six-week formats and in the evening in an eight-week format.

## Course Description, Numbering, Classification

### Units or Credit Value:

Each course carries a certain credit or unit value.

1. **Basic Skills Advisories.** These are skill levels in reading, English, and mathematics deemed necessary to be successful in the course. The levels are: reading (ENGL 126), writing (ENGL 125), mathematics (MATH 201).
2. **Subject Prerequisites.** Successful completion of a course or courses is required before enrolling in a more advanced course.

### Course Numbering

Courses numbered 1-99: Associate degree applicable credit courses. Most of these courses are also transferable to four-year colleges and universities. Contact a counselor for specific transfer information.

Courses numbered 100-199: Associate degree applicable non-transfer.

Courses numbered 200-299: Non-degree applicable credit courses. Non-degree applicable credit courses are subject to a 30 unit maximum for financial aid purposes.

Courses numbered 300-399: Non-credit courses.

Since different institutions use different numbering systems, a student may encounter difficulty in comparing courses. Students should be guided by the description and should consult a counselor for assistance.

## 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.

Students may consult the ASSIST database at [www.assist.org](http://www.assist.org) for specific information on C-ID course designations. Counselors can always help students interpret or explain this information.

# C-ID CHART

Course	Depart	Course #	C-ID Number	Status	Course	Depart	Course #	C-ID Number	Status
1	ACCTG	4B	ACCT 120	Approved	42	CHEM	1A + 1B	CHEM 120 S	Approved
2	ACCTG	4A	ACCT 110	Approved	43	COMM	4	COMM 190	Approved
3	ANTHRO	4	ANTH 150	Approved	44	COMM	1H	COMM 110	Approved
4	ANTHRO	2	ANTH 120	Approved	45	COMM	1	COMM 110	Approved
5	ANTHRO	1	ANTH 110	Approved	46	COMM	12	COMM 170	Approved
6	ART	41	ARTS 250	Approved	47	COMM	10	COMM 150	Approved
7	ART	6H	ARTH 120	Approved	48	COMM	8	COMM 140	Approved
8	ART	2	ARTH 100	Approved	49	COMM	2	COMM 130	Approved
9	ART	30A	ARTS 250	Approved	50	COMM	25	COMM 120	Approved
10	ART	4	ARTS 101	Approved	51	CRIM	5	AJ 160	Approved
11	ART	3	ARTS 100	Approved	52	CRIM	11	AJ 220	Approved
12	ART	9	ARTS 210	Approved	53	CRIM	8	AJ 140	Approved
13	ART	7	ARTS 110	Approved	54	CRIM	4	AJ 122	Approved
14	ART	17	ARTS 205	Approved	55	CRIM	6	AJ 120	Approved
15	ART	5	ARTH 110	Approved	56	CRIM	20	AJ 200	Approved
16	ART	42	ARTS 250	Approved	57	CRIM	1	AJ 110	Approved
17	ART	6	ARTH 120	Approved	58	CRIM	3	AJ 124	Approved
18	ART	37A	ARTS 250	Approved	59	CRIM	20 + 28	AJ 200	Approved
19	ART	30A + 37A	ARTS 250	Approved	60	CSCI	45	COMP 142	Approved
20	BA	18	BUS 125	Approved	61	CSCI	41	COMP 132	Approved
21	BA	18	BUS 120	Approved	62	CSCI	40	COMP 122	Approved
22	BA	10	BUS 110	Approved	63	CSCI	26	COMP 152	Approved
23	BIOL	11B	BIOL 140	Approved	64	CSCI	40	COMP 112	Approved
24	BIOL	11A	BIOL 190	Approved	65	ECON	1A	ECON 202	Approved
25	BIOL	22	BIOL 120 B	Approved	66	ECON	1B	ECON 201	Approved
26	BIOL	20	BIOL 110 B	Approved	67	EDUC	10	EDUC 200	Approved
27	BIOL	11A + 11B	BIOL 135 S	Approved	68	ENGL	43A	ENGL 130	Approved
28	CHDEV	38	PSY 180	Approved	69	ENGL	1BH	ENGL 120 (ENGL-LIT 100)	Approved
29	CHDEV	37A	ECE 210	Approved	70	ENGL	1B	ENGL 120 (ENGL-LIT 100)	Approved
30	CHDEV	3	ECE 130	Approved	71	ENGL	1A	ENGL 100 (ENGL 110)	Approved
31	CHDEV	39	CDEV 100	Approved	72	ENGL	44B	ENGL 145 (ENGL-LIT 185)	Approved
32	CHDEV	15	ECE 230	Approved	73	ENGL	44A	ENGL 140 (ENGL-LIT 180)	Approved
33	CHDEV	20	ECE 200	Approved	74	ENGL	3H	ENGL 105 (ENGL 115)	Approved
34	CHDEV	30	CDEV 110	Approved	75	ENGL	3	ENGL 105 (ENGL 115)	Approved
35	CHDEV	6	ECE 220	Approved	76	ENGL	46B	ENGL 165	Approved
36	CHDEV	1	ECE 120	Approved	77	ENGL	46A	ENGL 160 (ENGL LIT 160)	Approved
37	CHEM	1A	CHEM 110	Approved	78	ENGL	43B	ENGL 135	Approved
38	CHEM	10	CHEM 101	Approved					
39	CHEM	3A	CHEM 101	Approved					
40	CHEM	28A + 28B + 29A + 29B	CHEM 160 S	Approved					
41	CHEM	28A + 29A	CHEM 150	Approved					

Course	Depart	Course #	C-ID Number	Status	Course	Depart	Course #	C-ID Number	Status
79	ENGL	3H	ENGL 105 (ENGL 115)	Approved	118	PHIL	1CH	PHIL 120	Approved
80	ENGL	3	ENGL 105 (ENGL 115)	Approved	119	PHIL	6	PHIL 210	Approved
81	ENGL	1AH	ENGL 100 (ENGL 110)	Approved	120	PHIL	4	PHIL 110	Approved
82	ENGL	15A + 15B	ENGL 200 (ENGL-CW 100)	Approved	121	PHIL	1C	PHIL 120	Approved
83	ENGR	5	ENGR 2	Approved	122	PHIL	1	PHIL 100	Approved
84	ENGR	10	ENGR 110	Approved	123	PHYS	4C	PHYS 215	Approved
85	ENGR	6	ENGR 260 L	Approved	124	PHYS	4A	PHYS 205	Approved
86	ENGR	6	ENGR 260	Approved	125	PHYS	2B	PHYS 110	Approved
87	ENGR	2	ENGR 150	Approved	126	PHYS	2A	PHYS 105	Approved
88	ENGR	40	ENGR 120	Approved	127	PHYS	4B	PHYS 210	Approved
89	ENGR	4	ENGR 140	Approved	128	PHYS	2A + 2B	PHYS 100 S	Approved
90	ENGR	8	ENGR 1	Approved	129	PHYS	4A + 4B + 4C	PHYS 200 S	Approved
91	GEOG	1	GEOG 110	Approved	130	POLSCI	24	POLS 140	Approved
92	GEOG	6	GEOG 125	Approved	131	POLSCI	2H	POLS 110	Approved
93	GEOG	40A + 40B	GEOG 125	Approved	132	POLSCI	2	POLS 110	Approved
94	GEOL	9	GEOL 121	Approved	133	POLSCI	3	POLS 120	Approved
95	GEOL	1	GEOL 101	Approved	134	POLSCI	5	POLS 130	Approved
96	HIST	23	HIST 160	Approved	135	PSY	2H	PSY 110	Approved
97	HIST	12H	HIST 1	Approved	136	PSY	16	PSY 120	Approved
98	HIST	11	HIST 130	Approved	137	PSY	38	PSY 180	Approved
99	HIST	2	HIST 180	Approved	138	PSY	5	PSY 170	Approved
100	HIST	1	HIST 170	Approved	139	PSY	2	PSY 110	Approved
101	HIST	20	HIST 1	Approved	140	PSY	25	PSY 130	Approved
102	HIST	12	HIST 140	Approved	141	PSY	45	PSY 200	Approved
103	HLTH	2	KIN 101	Approved	142	SCI	1A	CHEM 140	Approved
104	IS	15	BUS 140	Approved	143	SCI	1A	PHYS 140	Approved
105	IS	15	ITIS 120	Approved	144	SOC	1B	SOCI 115	Approved
106	MATH	17	MATH 240	Approved	145	SOC	32	SOCI 130	Approved
107	MATH	10A	MATH 120	Approved	146	SOC	2	SOCI 150	Approved
108	MATH	17	MATH 910 S	Approved	147	SOC	3	SJS 110	Approved
109	MATH	17	MATH 2	Approved	148	SOC	1A	SOCI 110	Approved
110	MATH	11	MATH 110	Approved	149	SPAN	2	SPAN 110	Approved
111	MATH	5A	MATH 210	Approved	150	SPAN	1	SPAN 100	Approved
112	MATH	5B	MATH 220	Approved	151	SPAN	4NS	SPAN 230	Approved
113	MATH	6	MATH 230	Approved	152	SPAN	3NS	SPAN 220	Approved
114	MATH	5A + 5B	MATH 900 S	Approved	153	SPAN	3	SPAN 200	Approved
115	MUS	23	MUS 180	Approved	154	SPAN	4	SPAN 210	Approved
116	MUS	31	MUS 180	Approved	155	STAT	7	MATH 110	Approved
117	MUS	12	MUS 100	Approved					

**Course Repetition:** Identified courses may be taken up to four times. These courses provide different experiences or levels of difficulty with each repetition. Although Clovis Community College may permit a student to repeat a course up to three times, be advised that a student who is transferring to a baccalaureate degree granting institution may not receive transfer credit for all units completed.

**Class Periods:** College classes may not meet every day in the week. The number of lecture or laboratory periods for each week is indicated in the course description. The schedule of classes (issued as a separate publication) will indicate which hours of the day and which days in the week the class is scheduled. Courses marked "offered infrequently" are not usually scheduled each semester.

**Course Certification:** Lists of courses certified by Clovis Community College as being baccalaureate level are on file at receiving institutions. Copies are also available through the Counseling Office and major advisors. General Education designations and baccalaureate level courses are also indicated in the course description. These courses change constantly. Check with a counselor for the most updated listing of courses.

**Field Trips:** Certain classes have field trips scheduled which contribute substantially to the understanding of the course. Some of these trips are scheduled for evenings or Saturdays. Field trips scheduled during hours of the official school day may be considered as part of instruction. Students pay their own expenses on field trips if possible.

## Prerequisites/Corequisites/Advisories

Students are urged to study the description of courses in this catalog to ensure that prerequisites are satisfied before registering for a course. Correct registration at an early date is important.

It is the student's responsibility to be certain that he/she has met the necessary prerequisite(s) for any course taken. The student may be dropped from any class where it is verified that the necessary prerequisite has not been met. It should be understood by the student that whether or not a prerequisite is specifically stated, the instructional staff of this college assumes that each student who enrolls in a transfer-level course possesses sufficient competencies in the areas of reading, writing, and mathematics to be able to profit from instruction.

Advisory indicates that the institution recommends, but does not require, certain course work be taken prior to enrolling in the described course.

Corequisite indicates that the course must be taken simultaneously with another course if not already completed.

Prerequisite is defined to mean a condition of enrollment that a student must meet in order to register in a course or program. A student may challenge a prerequisite by completing the Prerequisite/Corequisite Challenge Form available in the Counseling Center. A "C" or better grade is required in the prerequisite course(s).



## Symbols and Abbreviations

A - Course description designation for those courses which are associate degree applicable.

P-NP - Course description designation for courses available on a credit/no credit grading basis as well as a letter grading basis.

P-NP Only - Course description designation for courses not available on a letter grading basis.

Grading Scale Only - Course descriptions that do not indicate a grading basis are offered on a grading scale only.

CSU - Transferable to the California State University system.

CSU-GE - Meets the general education requirements for California State University transfer certification. Completion of all courses in the California State University General Education transfer certification pattern will permit a student to transfer to a campus in the California State University system without having to complete additional lower division general education courses after transfer.

I - Meets the requirements of the Intersegmental General Education Transfer Curriculum (IGETC). Completion of all IGETC requirements will permit a student to transfer to a campus in either the California State University or University of California system without having to complete additional lower division general education courses after transfer.

UC - Transferable to the University of California system.

## Course Abbreviations

ACCTG	Accounting
ANTHRO	Anthropology
ART	Art
ASL	American Sign Language
BA	Business Administration
BIOL	Biology
CHDEV	Child Development
CHEM	Chemistry
CHIN	Chinese
COMM	Communication
COTR	Cooperative Work Experience Education
COUN	Counseling
CRIM	Criminology
CSCI	Computer Science
DANCE	Dance
ECON	Economics
EDUC	Education
ENGL	English
ENGR	Engineering

FILM	Film
FN	Foods and Nutrition
FRENCH	French
FSAP	Food Safety and Processing
GEOG	Geography
GEOL	Geology
GERMAN	German
HCA	Health Care Ancillaries
HONORS	Honors
HIST	History
HLTH	Health Science
INTDS	Interdisciplinary Studies
IS	Information Systems
KINES	Kinesiology
LIBSKL	Library Skills
LING	Linguistics
MATH	Mathematics
MECH	Mechatronics
MKTG	Marketing
MUS	Music
MUSCO	Commercial Music
OT	Office Technology
PE	Physical Education
PHIL	Philosophy
PHOTO	Photography
PHYS	Physics
POLSCI	Political Science
PSY	Psychology
REHT	Rehabilitation Technician
SCI	Science
SOC	Sociology
SPAN	Spanish
STAT	Statistics
WTD	Water Treatment and Distribution

## Course Number Extensions

H	Honors
I	Intensive
L	Lab
LS	Language Skills
NS	Native Speakers
R	Reading
W	Writing

## Course Numbering

1-99	Associate degree applicable, transferable
100-199	Associate degree applicable, non-transferable
200-299	Non-degree, non-transferable
300-399	Non-credit

# COURSE DESCRIPTIONS

## ACCOUNTING (ACCTG)

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### 4A FINANCIAL ACCOUNTING

**4 units, 4 lecture hours, 1 lab hour**

ADVISORIES: Accounting 40, eligibility for English 125, 126, and Mathematics 201. This course covers the accounting information system, examining why it is important and how it is used by investors, creditors, and others to make decisions. It includes recording and reporting of business transactions with a focus on the accounting cycle, and the application of generally accepted accounting principles for the preparation of financial statements. This course includes issues relating to asset, liability, equity valuation, revenue and expense recognition, cash flow, internal control, and ethics. (A, CSU, UC) (C-ID ACCT 110)

### 4B MANAGERIAL ACCOUNTING

**4 units, 4 lecture hours, 1 lab hour**

PREREQUISITES: Accounting 4A. ADVISORIES: Accounting 40, eligibility for English 125, 126, and Mathematics 201. This course is a study of how managers use accounting information in decision-making, planning, directing operations, and controlling. Focuses on cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. Includes issues of cost systems, cost control, profit planning, and performance analysis in manufacturing and service environments. (A, CSU, UC) (C-ID ACCT 120)

### 31 COMPUTERIZED ACCOUNTING

**3 units, 3 lecture hours, 1 lab hour,  
(Pass/No Pass)**

COREQUISITES: Accounting 40 or 4A, 2 years high school accounting or equivalent and Information Systems 15 or equivalent. ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. Introduction to accounting procedures and applications using various software and templates. Use of standard accounting programs, including general ledger, depreciation, accounts receivable/payable, payroll, and inventory control. Survey of current accounting applications for microcomputers. (A, CSU)

### 40 APPLIED ACCOUNTING

**4 units, 4 lecture hours,  
1 lab hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. A course designed to introduce basic accounting concepts. Emphasis will be placed on journal entries, posting to ledgers, preparing worksheets, and financial statements for sole proprietorships operating as service organizations. Ten-key office calculators will be used emphasizing speed and accuracy. (A, CSU)

## AMERICAN SIGN LANGUAGE (ASL)

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### 1 BEGINNING AMERICAN SIGN LANGUAGE

**4 units, 4 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. Beginning course in everyday communication with the deaf and severely hearing impaired; intended for students with no knowledge of ASL. Introduction to vocabulary, idioms, grammar, the culture of the deaf community, and appropriate behavior for social interaction with the deaf. Uses only the target language in class. (A, CSU-GE, UC, I)

### 2 HIGH-BEGINNING AMERICAN SIGN LANGUAGE

**4 units, 4 lecture hours, (Pass/No Pass)**

PREREQUISITES: American Sign Language 1 or equivalent skills as determined by an instructor of American Sign Language. ADVISORIES: Eligibility for English 125 and 126. Second-semester course in everyday communication with the deaf and severely hearing impaired. Development of grammatical structures and expansion of vocabulary. Further study of the culture of the deaf community and appropriate behavior for social interaction with the deaf. Uses only the target language in class. (A, CSU-GE, UC, I)

### 3 INTERMEDIATE AMERICAN SIGN LANGUAGE

**4 units, 4 lecture hours, (Pass/No Pass)**

PREREQUISITES: American Sign Language 2 or equivalent skills as determined by an instructor of American Sign Language. ADVISORIES: Eligibility for English 125 and 126. Third-semester course in everyday communication with the deaf and severely hearing impaired. Review of basic grammatical structures. Further development of signing skills and grammatical structures and continued expansion of vocabulary. Increased reliance on signing in the study of the culture of the deaf community. Uses only the target language in class. (A, CSU-GE, UC, I)

### 4 HIGH-INTERMEDIATE AMERICAN SIGN LANGUAGE

**4 units, 4 lecture hours, (Pass/No Pass)**

PREREQUISITES: American Sign Language 3 or equivalent skills as determined by an instructor of American Sign Language. ADVISORIES: Eligibility for English 125 and 126. Fourth-semester course in everyday communication with the deaf and severely hearing impaired. Development of proficiency of morphology and grammar usage. Increased reliance on signing in the continued exploration of current topics of relevance to the culture of the deaf community. Uses only the target language in class. (A, CSU-GE, UC, I)

## ANTHROPOLOGY (ANTHRO)

### 1 BIOLOGICAL ANTHROPOLOGY

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A.

This course introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and application to the human species. Topics and issues to be addressed may 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 foundation of inquiry for this course. (A, CSU-GE, UC, I)(C-ID ANTHRO 110)

### 2 CULTURAL ANTHROPOLOGY

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course explores how anthropologists study and compare human culture. Cultural anthropologists seek to understand the broad arc of human experience focusing on a set of central issues, including: subsistence patterns; social, political, and economic organization; patterns of communication and creative expression; familial and kinship relations; belief systems; gender, racial, and ethnic identity

labels; the developmental influence of social inequality; and internal culture change resulting from external forces. Ethnographic case studies and professional anthropological research ethics are employed to introduce students to the tools used to understand humans around the globe. (A, CSU-GE, UC, I) (C-ID ANTHRO 120)

### 3 INTRODUCTION TO ARCHAEOLOGY AND PREHISTORY

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. This course is a broad survey of the physical and cultural evolution of humanity from the first use of stone tools to the rise of civilization as understood through the archaeological record. The course includes a discussion of the history, methods, and interdisciplinary nature of archaeological research. (A, CSU-GE, UC, I)

### 4 INTRODUCTION TO ARCHAEOLOGY

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and English 126.

This course is an introduction to the study of concepts, theories, data and models of anthropological archaeology that contribute to our knowledge of the human past. The course includes a discussion of the nature of scientific inquiry; the history and interdisciplinary nature of archaeological research; dating techniques; methods of survey, excavation, analysis, and interpretation; cultural resource management; professional ethics; and selected cultural sequences. (A, CSU, UC, CSU-GE IGETC) (C-ID ANTH 150)

## ART (ART)

### 1 ART BASICS: 2/3 DIMENSIONAL DESIGN

**3 units, 2 lecture hours, 4 lab hours  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

Students will develop working knowledge of the elements and principles of design through lecture and production. Application of concepts will be coupled with exploration of the history of design from the Arts and Crafts movement through contemporary design. Course teaches both 2 dimensional and 3 dimensional design concepts and production. (A, CSU-GE, UC, I)



## 2 ART APPRECIATION

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

Lecture course to learn the cultural significance of the arts. Instruction will cover media and movements. Students will also learn the elements and principles of design to understand the visual language of the arts and the methods used by artists to communicate ideas to the public. Course also emphasizes the multicultural visual dialogue that occurs throughout the different communities in the world. (A, CSU-GE, UC, I)(C-ID ARTH 100)

## 3 TWO-DIMENSIONAL DESIGN

**3 units, 2 lecture hours, 4 lab hours,  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course provides an introduction to the elements and principles of two-dimensional design within a historic, cultural, and aesthetic context. Students create and evaluate design projects with beginning level instruction in drawing, painting, collage, and mixed-media. (A, CSU, UC) (C-ID ARTS 100)

## 4 THREE-DIMENSIONAL DESIGN

**3 units, 2 lecture hours, 4 lab hours,  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 126.

This course is a study of the historical, cultural, and aesthetic influence of three-dimensional design including the formal elements and principles of the visual language. This includes the theory and the practice of these elements and principles as they apply to three-dimensional space and form. (A, CSU, UC) (C-ID ARTS 101)

## 5 ART HISTORY 1

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course examines the history of cultural production and visual aesthetics including two- and three- dimensional art and architecture from Prehistory through the Gothic Period. (A, CSU-GE, UC, I) (C-ID ARTH 110)

## 6 ART HISTORY 2

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Completion of English 125 and 126 or eligibility for English 1A.

This course examines the history of cultural production and visual aesthetics including two and three dimensional art and architecture from the early renaissance through the end of the twentieth century. (A, CSU-GE, UC, I) (C-ID ARTH 120)

## 6H HONORS ART HISTORY 2

**3 units, 3 lecture hours**

ADVISORIES: Completion of English 125 and 126 or eligibility for English 1A. Enrollment in Honors Program.

This course examines the history of cultural production and visual aesthetics including two and three dimensional art and architecture from the early renaissance through the end of the twentieth century. As an honors section, the class will be conducted as a seminar with an emphasis on student projects. (A, CSU-GE, UC, I) (C-ID ARTH 120)

## 7 BEGINNING DRAWING

**3 units, 2 lecture hours, 4 lab hours,  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course will focus on developing basic skills in objective, representational, freehand drawing in various two-dimensional media. Through lecture and studio practice, students will explore representational, abstract, non-objective, and conceptual approaches to drawing. This course will also introduce the visual language of drawing, composition (the Elements and Principles of Design), historical and contemporary rendering techniques, and drawing as creative personal expression. (A, CSU, UC) (C-ID ARTS 110)

## 8 BEGINNING FIGURE DRAWING

**3 units, 2 lecture hours, 4 lab hours  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and English 126. 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. (A, CSU, UC)

9 BEGINNING PAINTING: OIL  
AND ACRYLIC

**3 units, 2 lecture hours, 4 lab hours,  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. This course is an exploration of the creative act of painting using representational, abstract and non-objective forms. Emphasis is placed on the fundamentals of composition and the ability to handle materials. Students will learn basic color theory, value, line, shape, texture, and techniques including direct paint application, glazing, brush strokes, and impasto. Issues concerning canvas stretching, brush cleaning, mixing glazes, and toxicity are addressed. Through lecture and studio practice, students gain introductory skills in painting within the context of an historical perspective. (A, CSU, UC) (C-ID ARTS 210)

13 BEGINNING WATERCOLOR  
PAINTING

**3 units, 2 lecture hours, 4 lab hours,  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. Emphasis is on developing basic skills in watercolor painting. Through lecture and studio practice, students learn representational, abstract, non-objective, and conceptual approaches/techniques to painting. Traditional and experimental techniques are explored. (A, CSU)

17 INTERMEDIATE DRAWING

**3 units, 2 lecture hours, 4 lab hours,  
(Pass/No Pass)**

PREREQUISITES: Art 7. ADVISORIES: Eligibility for English 125 and 126. This course is an exploration of the creative act of drawing using representational, abstract, non-objective, and conceptual forms. Students will build upon skills learned in beginning drawing and create a cohesive body of work. Historical and contemporary drawing techniques as well as drawing as a form of creative personal expression are integrated into course content. (A, CSU, UC) (C-ID ARTS 205)

19 INTERMEDIATE PAINTING:  
OIL/ACRYLIC

**3 units, 2 lecture hours, 4 lab hours,  
(Pass/No Pass)**

ADVISORIES: Art 9 or demonstration of comparable skill level to be determined by testing and/or portfolio of past oil/acrylic painting works. Eligibility for English 125, 126, and Mathematics 201. This course is an exploration of the creative act of painting using representational, abstract, and non-objective forms. Students will build upon skills learned in beginning painting and create a cohesive body of work. Historical and contemporary approaches to oil and acrylic media are integrated into course content. (A, CSU, UC)

23 INTERMEDIATE WATERCOLOR  
PAINTING

**3 units, 2 lecture hours, 4 lab hours,  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. Emphasis is on developing intermediate level painting skills in watercolor. Through guided studio practice, lecture, research, and critique, students learn to use the elements and principles of design (in composing paintings) with more complexity than the novice. Specific instruction in planning/executing paintings with color schemes; various types of balance; rendering techniques; using mixed-media; and creating paintings with representational, abstract, non-objective, and conceptual approaches. (A, CSU, UC)

26 ARTS OF AFRICA, OCEANIA, INDIGENOUS  
NORTH AMERICA, AND THE  
PRE-COLUMBIAN AMERICAS

**3 units, 3 lecture hours. (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A. Art 26 is a survey of the art outside the western European tradition, focusing on the major artistic traditions of Africa, Oceania, Indigenous North America, and the Pre-Columbian Americas, from ancient times up to the impact of European contact. The course will focus on the role of the visual arts in non-western cultural perspectives, including discussion of sacred ritual, social and cultural constructs, materials, and artistic creation. Emphasis will be placed on the recognition of works from major civilizations, their artistic traditions, and what can be revealed about the cultures and peoples who created them from historical and cultural viewpoints. Course content will include the availability of a trip to a internationally recognized art venue. (A, CSU, CSU-GE, UC, IGETC)

30A ILLUSTRATOR®: BEGINNING  
COMPUTER DRAWING AND DESIGN

**3 units, 2 lecture hours, 4 lab hours,  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. This course will allow students to build skills in beginning computer drawing. Projects will emphasize topics of content and form in a digital drawing workflow. Students will be challenged to carry out design projects in a fine art, as well as, commercial environment. (A, CSU, UC) (C-ID ARTS 250: ART 30A + ART 37A)

**30B ILLUSTRATOR®: INTERMEDIATE  
COMPUTER DRAWING AND DESIGN**  
**3 units, 2 lecture hours, 4 lab hours**  
**(Pass/No Pass)**

PREREQUISITES: Art 30A. ADVISORIES: Eligibility for English 125 and 126. This course will allow students to build upon the skills learned in beginning computer drawing. Projects will continue to emphasize issues of content and form in a digital drawing workflow. Students will be challenged to carry out design projects in a fine art as well as commercial environment. (A, CSU, UC)

**37A PHOTOSHOP®: DIGITAL VISUAL ART**  
**3 units, 2 lecture hours, 4 lab hours,**  
**(Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. The digital imaging software program, Adobe Photoshop®, is introduced. Emphasis is on photo restoration, image compositing, image manipulation, scanning, and printing. (A, CSU, UC)(C-ID ARTS 250)(C-ID ARTS 250: ART 30A + ART 37A)

**37B PHOTOSHOP®: INTERMEDIATE  
DIGITAL VISUAL ART**  
**3 units, 2 lecture hours, 4 lab hours**  
**(Pass/No Pass)**

PREREQUISITES: Art 37A. Intermediate level course utilizing Photoshop® digital imaging software. Emphasis is on creating works for print, web, and multi-media applications. Fine and commercial art references are studied. (A, CSU, UC)

**41 COMPUTERIZED MULTIMEDIA**  
**3 units, 2 lecture hours, 4 lab hours**  
**(Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. This course is an introduction to computer multimedia for graphic design and the visual arts. The course will introduce a multi-media authoring program used for creating interactive media such as animation and simple, interactive projects. (A, CSU, UC)(C-ID ARTS 250)

**42 COMPUTER ANIMATION/3D**  
**3 units, 2 lecture hours, 4 lab hours,**  
**(Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. This course is an introduction to 3D computer animation and modeling on the computer. Projects such as creating 3D still images and 3D animations will be assigned. (A, CSU)(C-ID ARTS 250)

**43 INDEPENDENT PROJECTS STUDIO**  
**2-3 units: 2 units, 1 lecture hour, 3 lab hours; 3**  
**units, 2 lecture hours, 4 lab hours,**  
**(Pass/No Pass)**

PREREQUISITES: Art 7 or 9 or 10 or 13 or 30A or 37A or 38. This course involves the production of individual work under supervision of instructor in a specialized area. It may include ceramics, commercial art, digital imaging, drawing, design, sculpture, printmaking, painting, or photography. During the first week of the semester, student enrolling must present an appropriate project based upon skills learned in other art courses. (A, CSU)

**44 DIGITAL VIDEO EDITING**  
**3 units, 2 lecture hours, 4 lab hours**  
**(Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126 and Mathematics 201. This course is an introduction to digital video editing on the computer. Topics such as modern film theory, film treatments, framing shots, timing and transitions, and other pre- and post-production skills are also covered. (A, CSU)

**53 COLOR THEORY**  
**3 units, 2 lecture hours, 4 lab hours**

A study of the principles, theories, and applications of additive and subtractive color in two dimensions. Topics will include major historical and contemporary color systems, production of projects in applied color, and the elements of design as they apply to color. (A, CSU)

**54 INTRODUCTION TO GRAPHIC DESIGN**  
**3 units, 2 lecture hours, 4 lab hours**

PREREQUISITE: Art 3. ADVISORIES: Art 30A or Art 37A. An introduction to visual studies and communications in the field of graphic design. The course includes: concept development, the creative design process, production, and presentation techniques through the development of design projects on various media. Design and production skills including beginning computer software skills. Topics include: Fundamental studies in the history, theories, techniques, and practices of professional graphic design, and developing graphic design projects for traditional and emerging technologies. (A, CSU)

## BIOLOGY (BIOL)

## 2 ENVIRONMENTAL SCIENCE

**4 units, 3 lecture hours, 3 lab hours**

ADVISORIES: Eligibility for English 1A and eligibility for Mathematics 201. This introductory course examines the earth as an ecosystem composed of biological, chemical, and physical processes, with an emphasis on human impacts. Topics will include the structure and function of ecological systems, air and water pollution, pesticide use, waste disposal, climate change, natural resource use, and environment laws. Students will gain an understanding of how humans influence natural environments while focusing on sustainable practices. Basic chemical, physical, and geological processes will be introduced to better explain these topics throughout the course. (A, CSU, CSU-GE)

## 3 INTRODUCTION TO LIFE SCIENCE

**4 units, 3 lecture hours, 3 lab hours  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and English 126. This course is recommended for the non-biological science and pre-education majors. This is an introductory course using biological concepts. The cellular and organismal structure, function, inheritance, evolution, and ecology are covered. Field trips may be required. (A, CSU-GE, UC, I)

## 5 HUMAN BIOLOGY

**4 units, 3 lecture hours, 3 lab hours,  
(Pass/No Pass)**

ADVISORIES: English 1A and eligibility for Mathematics 201. This course is an introductory human biology course that examines science and societal issues. There is special emphasis on the following body systems: circulatory, digestive, respiratory, urinary, skeletal, muscular, nervous, sensory, endocrine, reproductive, and genetics. (A, CSU-GE, UC, I)

## 10 INTRODUCTION TO LIFE SCIENCE LECTURE

**3 units, 3 lecture hours. (Pass/No Pass)**

ADVISORY: Eligibility for English 1A. This lecture course is recommended for the non-biological science and pre-education majors. This is an introductory course using biological concepts. The organismal structure, function, inheritance, evolution, and ecology are covered. Field trips may be required. Not open to students with credit in Biology 3. (A, CSU-GE, UC, I)

## 10L INTRODUCTION TO LIFE SCIENCE LAB

**1 unit, 3 lab hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A. This lab course is recommended for the non-biological science and pre-education majors. This is an introductory course using biological concepts. The cellular and organismal structure, function, inheritance, evolution, and ecology are covered. Field trips may be required. Not open to students with credit in Biology 3. (A, CSU-GE, UC, I)

## 11A BIOLOGY FOR SCIENCE MAJORS I

**5 units, 4 lecture hours, 3 lab hours**

PREREQUISITES: Chemistry 1A and Mathematics 103. ADVISORIES: Eligibility for English 1A, Biology 3 or high school Biology. In the first course of a two semester sequence of general biology for science majors, students will study the chemistry of life, cellular structure, cellular metabolism-including photosynthesis, aerobic and anaerobic respiration, cellular communication, cellular division and its regulation, Mendelian genetics, biotechnology, and evolution. This course is intended for Science Majors and pre-medical, pre-veterinarian, pre-dental, pre-optometry, and pre-pharmacy majors. (A, CSU-GE, UC, I) (C-ID BIOL 190)

## 11B BIOLOGY FOR SCIENCE MAJORS II

**5 units, 4 lecture hours, 3 lab hours**

PREREQUISITES: Biology 11A and Mathematics 103. ADVISORIES: Eligibility for English 1A. This course is the second course of a two-semester sequence of general biology for science majors. Students will study the origins of life, the evolutionary history of biodiversity, plant form and function, animal form and function, and ecology. This course is intended for science majors and pre-medical, pre-veterinarian, pre-dental, pre-optometry, and pre-pharmacy majors. (A, CSU-GE, UC, I) (C-ID BIOL 140)

## 20 HUMAN ANATOMY

**4 units, 3 lecture hours, 3 lab hours**

PREREQUISITES: Biology 5, Biology 25, or Biology 11A. ADVISORIES: Eligibility for English 1A and eligibility for Mathematics 201. This is a course providing a basic understanding and working knowledge of the human body with emphasis on the structure of each major system. The interrelationship between human systems and the relationships between the structure and functions of each system will be studied at several levels: cellular, tissue, organ, system, and organismal. (A, CSU-GE, UC, I) (CI-D BIOL 110B)

## 22 HUMAN PHYSIOLOGY

**5 units, 4 lecture hour, 3 lab hours,  
(Pass/No Pass)**

PREREQUISITES: Biology 20 and Chemistry 1A or 3A.

This course provides a basic understanding and working knowledge of the human body with emphasis on the functions of each major system. The interrelationship between human systems and the relationship between structure and function of each system will be studied at several levels (biochemical, cellular, organ levels). (A, CSU-GE, UC, I) (CID BIOL 120B)

## 25 INTRODUCTION TO HUMAN ANATOMY &amp; PHYSIOLOGY

**4 units, 3 lecture hours, 3 lab hours,  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 1A and eligibility for Mathematics 201. This course is a one-semester introductory human anatomy and physiology course that examines the structural organization and physiological processes of the human body, from the cellular to organ-system level. The gross and microscopic structure of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, lymphatic, respiratory, digestive, excretory, and reproductive systems will be covered. This course is designed for students in the allied health sciences or pre-health majors. This is a pre-requisite course for the two semester sequence of anatomy and physiology courses for nursing/ kinesiology and pre-health majors and may fulfill the anatomy and physiology requirement for some allied health certificates. This can also be taken as a general education life science course as it is a transferable course. This course is not advised for student who have taken Biology 5, Human Biology. (A, CSU, CSU-GE)

## 31 MICROBIOLOGY

**5 units, 3 lecture hours, 6 lab hours**

PREREQUISITES: Biology 5 or 11A, and Chemistry 1A or 3A.

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. This course provides an introduction to the structure, metabolism and ecology of microorganisms with special emphasis on microbe-related human diseases. This course is designed to introduce the student to a variety of topics in the area of microbiology. The text, lab manuals, and lectures are geared to students in biological, medical, physical education, and health-oriented programs. (A, CSU-GE,UC, I)

## 122 INTRODUCTION TO CONCEPTS OF HUMAN ANATOMY AND PHYSIOLOGY

**3 units, 3 lecture hours, (Pass/No Pass)**

This introductory course provides an overview of the basic anatomy and physiology of all body systems. It is designed as a non-transferable course for the Rehabilitation Aide Program and other related programs, and may be useful for other health-related technologies and for strengthening or developing a vocabulary and critical thinking skills in human anatomy and physiology. (A)

*Note: Biology 122 is a lecture-only course that is non-transferable. If students are seeking immediate employment as a Rehabilitation Aide, Biology 122 is sufficient; but if students intend to pursue additional coursework or transfer to a 4-year university, Biology 5, Human Biology, is recommended.*

## BUSINESS ADMINISTRATION (BA)

## 5 BUSINESS COMMUNICATIONS

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. This course teaches students to prepare business letters, reports, memos, and oral presentations used in a business environment. Emphasis is placed on document organization, using correct grammar, writing to the desired audience, and creating appropriate tone. (A, CSU)

## 10 INTRODUCTION TO BUSINESS

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. A survey in business providing a multidisciplinary examination 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 a global society. Demonstrates how these influences impact the primary areas of business including: organizational structure and design; leadership, human resource management, organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting, financial practices; the stock and securities market; and therefore affect a business' ability to achieve its organizational goals. (A, CSU, UC) (C-ID BUS 110)

## 12 INTRODUCTION TO HOSPITALITY

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. This course provides an introduction to many facets of the hospitality industry including lodging, food service, travel and tourism. The history, growth and development, current trends and organizational structure of the industry are explored with a focus on employment opportunities. (A, CSU)

## 15 INTRODUCTION TO MANAGEMENT

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

An introduction to the primary management functions, including strategic and tactical planning; decision-making; organizational design and systems; leadership, motivation and communication; and control systems. (A, CSU)

## 18 BUSINESS LAW AND THE LEGAL ENVIRONMENT

**4 units, 4 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

The business law course will cover the following topical areas: sources of law, ethics in law, criminal law, tort law, contract law, agency, business structures, and international law with a major emphasis on contracts. The course will require case study discussions and written briefs. (A, CSU, UC) (C-ID BUS 120, BUS 125)

## 19V COOPERATIVE WORK EXPERIENCE, BUSINESS

**1-8 units, 75 hours/unit paid employment or 60 hours/unit volunteer employment (Pass/No Pass)**

Supervised employment, directly related to student's major in business. May be repeated up to three times for not more than 16 units total of which only 6 can be from COTR 19G. (A, CSU)

## 27 STUDENTS IN FREE ENTERPRISE SIFE/COLLEGIATE ENTREPRENEURS ORGANIZATION

**1-3 units: 1 unit, 1 lecture hour; 2 units, 1 lecture hour, 3 lab hours; 3 units, 2 lecture hours, 3 lab hours, (Pass/No Pass) (Repeats=3)**

ADVISORIES: Eligibility for English 125 and 126.

This course provides business leadership training and experience using the student leadership organization, Students in Free Enterprise (SIFE) (an affiliate of the international organization, Students in Free Enterprise, Inc.) and the Collegiate Entrepreneurs' Organization (CEO) (an affiliate of the national organization, Collegiate Entrepreneurs' Organization). Students participate in intercollegiate competitions while acquiring knowledge and skills in entrepreneurship, service, leadership, networking, and communication. (A, CSU)

## 30 PERSONAL FINANCE

**3 unit, 3 lecture hours**

ADVISORIES: Eligibility for English 1A and Mathematics 201.

This course examines the integration of personal financial management with physiological and psychological well-being, and the life-long impact financial decisions have on individuals, families, and society. Topics include time value of money; financial planning strategies; money and credit management; home ownership; home, health, and auto insurance needs; savings and investment strategies; and retirement and estate planning (A, CSU)

## 33 HUMAN RELATIONS IN BUSINESS

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This class covers traditional human relations topics and theories while emphasizing interpersonal skill development. There is an emphasis on motivating, communicating, goal-setting, managing time, evaluating performance, and understanding the worker. (A, CSU)

## 38 OPERATION OF THE SMALL BUSINESS

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. This course teaches students to take a systematic approach to developing and managing a small business. Emphasis is placed on discussions, case studies, and practical exercises that help students to develop expertise in the operations, marketing, human resource utilization, and financing of a small business venture. (A, CSU)

## 39 FINITE MATHEMATICS FOR BUSINESS

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 103 or 2 years high school algebra to include Intermediate Algebra or equivalent. ADVISORIES: Eligibility for English 126. An introduction to finite mathematics and quantitative methods for business majors. May be taken concurrently with STAT 7. Topics include the application of set theory, counting, probability, expected value, rates of change, functions, applications and graphing, mathematics of finance, systems of linear equations and matrices and linear programming. Meets the business major requirements for students transferring to Cal State University, Fresno. (A, CSU-GE, UC)

## 47 CAREERS-BUSINESS

**1 unit, 1 lecture hour, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

A course to prepare students for the career work force. Career and education planning, self-assessment, resume formatting, cover letter formatting, job applications, and interviewing. (A, CSU)

52 INTRODUCTION  
TO ENTREPRENEURSHIP**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. Students in this course will develop an understanding of the complex tasks faced by individuals engaged in entrepreneurial activities. This course identifies the methods for developing a business idea, the process of starting a business, how to acquire resources, and the key parts of a business plan. (A, CSU)

## CHEMISTRY (CHEM)

## 1A GENERAL CHEMISTRY

**5 units, 3 lecture hours, 6 lab hours,  
(Pass/No Pass)**

PREREQUISITES: High school chemistry with laboratory component or Chemistry 3A or 10 or equivalent, and Mathematics 103 or equivalent. ADVISORIES: English 1A. This is the first course in a two course sequence in general chemistry and is intended for students majoring in science or satisfying prerequisites for professional schools. This course covers the principles and laws of inorganic chemistry with an emphasis on quantitative, mathematical problem-solving. Topics included in the course are atoms, molecules and ions; formulas and equations; stoichiometry; gas laws; electronic structure of atoms; bonding; atomic orbital and molecular orbital theories; solutions; precipitation reactions; oxidation reduction reactions; introduction to acids and bases; thermochemistry; properties of liquids; solids and crystal structures; solution behavior; colligative properties; associated laboratory experiments; and volumetric and gravimetric analysis methods. (A, CSU-GE, UC, I) (C-ID CHEM 110) (C-ID CHEM 120S: CHEM 1A + CHEM 1B)

1B GENERAL CHEMISTRY AND  
QUALITATIVE ANALYSIS**5 units, 3 lecture hours, 6 lab hours,  
(Pass/No Pass)**

PREREQUISITES: Chemistry 1A and Mathematics 103. ADVISORIES: English 1A. This course completes the year long general chemistry sequence (1A-1B) and covers the principles of physical and inorganic chemistry with an emphasis on quantitative, mathematical problem solving. Topics covered include acid-base theory, chemical kinetics, equilibrium (acid-base, hydrolysis, and solubility), chemical thermodynamics, electrochemistry, selected topics in nuclear chemistry, coordination chemistry, and/or chemistry of selected groups. Students will analyze inorganic compounds qualitatively and quantitatively. (A, CSU-GE, UC, I) (C-ID CHEM 120S: CHEM 1A + CHEM 1B)

**3A INTRODUCTORY GENERAL CHEMISTRY****4 units, 3 lecture hours, 3 lab hours  
(Pass/No Pass)**

PREREQUISITES: Mathematics 103. ADVISORIES: English 1A and Chemistry 10 or high school chemistry.

This is a survey course in the principles of inorganic chemistry covering the composition of matter, physical and chemical changes, atomic and molecular structure, inorganic nomenclature, chemical formula and reaction calculations, gas laws, bonding, solutions, net-ionic equations, acid-base theories, pH, oxidation-reduction reactions, thermodynamics, nuclear chemistry, and equilibrium. The course emphasizes problem solving and chemical calculations. Both qualitative and quantitative theory and techniques will be covered. It is intended for applied science and non-science majors or for students preparing to take Chemistry 1A. (A, CSU-GE, UC, I) (C-ID CHEM 101)

**3B INTRODUCTORY ORGANIC AND BIOLOGICAL CHEMISTRY****4 units, 3 lecture hours, 3 lab hours,  
(Pass/No Pass)**

PREREQUISITES: Chemistry 1A or 3A or equivalent. ADVISORIES: English 1A. Introduction to the basic concepts of organic and biological chemistry. A study of the structure and behavior of organic and biochemical compounds, including metabolism and regulation. Topics such as bonding, saturated and unsaturated hydrocarbons, the chemistry of organic functional groups, and the properties of important biological compounds such as carbohydrates, fats, and proteins are covered. Primarily for students in health oriented professions. (A, CSU-GE, UC)

**8 ELEMENTARY ORGANIC CHEMISTRY****3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Chemistry 1A or 3A. ADVISORY: Eligibility for English 1A. Properties and reaction of aliphatic and aromatic compounds, theories of structure, and introduction to reaction mechanisms. For biology majors and students in prehealth sciences, environmental sciences, and programs that do not require a full-year sequence organic chemistry. Recommended for students requiring a one-semester organic chemistry course. (A, CSU-GE, UC, I)

**10 ELEMENTARY CHEMISTRY****4 units, 3 lecture hours, 3 lab hours,  
(Pass/No Pass)**

ADVISORIES: English 1A and Mathematics 103.

This is a one-semester elementary class for students who have never taken high school chemistry. The course will give students a basic background in matter, energy, chemical reactions, measurements, formula writing, nomenclature, chemical calculations, gas laws, bonding, solutions, net-ionic equations, acid-base theory, pH, oxidation-reduction reactions, and equilibrium. Recommended for applied science and non-science majors or for students preparing to take Chemistry 1A. (A, CSU-GE, UC, I) (C-ID CHEM 101)

**28A ORGANIC CHEMISTRY I****3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Chemistry 1B. ADVISORIES: English 1A. This course is a study of the structures, properties, nomenclature and reactions of organic compounds with emphasis on reaction mechanisms. The course is recommended for students whose major is chemistry, premedical, pre dental, pre pharmacy, biology, biochemistry or chemical engineering. The following topics are included: stereochemistry, alkanes, alkenes, alkynes, alkyl halides, alcohols, amines, ethers, epoxides, aromatics, and organometallic compounds, resonance and conjugation, kinetic and thermodynamic control of reactions, multistep syntheses, infrared spectroscopy, nuclear magnetic spectroscopy, and mass spectroscopy. (A, CSU-GE, UC, I) (C-ID CHEM 150: CHEM 28A + CHEM 29A) (C-ID CHEM 160s: CHEM 28A + CHEM 28B + CHEM 29A + CHEM 29B)

**28B ORGANIC CHEMISTRY II****3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Chemistry 28A. ADVISORIES: Eligibility for English 1A. This is the second semester in a year-long course in organic chemistry designed for students majoring in chemistry and related disciplines, such as premedical, pre pharmacy, pre dental, biology, biochemistry, or chemical engineering. It covers the study of several groups of compounds in organic chemistry including aromatic compounds, benzene derivatives, carbonyl compounds, amines, amino acids, lipids, and nucleic acids. Each group is analyzed in terms of their structure, physical properties, nomenclature, reactions, and reaction mechanisms. Also included are the oxidation-reduction of organic functional groups and protecting groups in multistep syntheses. (A, CSU-GE, UC, I) (C-ID CHEM 160s: CHEM 28A + CHEM 28B + CHEM 29A + CHEM 29B)



29A ORGANIC CHEMISTRY LABORATORY I  
**2 units, 6 lab hours, (Pass/No Pass)**

Corequisites: Chemistry 28A. ADVISORIES: English 1A. This course provides a study of the properties and reactions of organic compounds such as alkenes, alkyl halides, alcohols, and acids. Students will perform qualitative experiments with acetylene, alkenes and various alcohols and work hands on with a melting point apparatus and refractometer. In addition, an introduction will be given on how to use a gas chromatograph and an infrared spectrophotometer (FTIR). Analyses of IR, NMR and MS spectra will be covered. (A, CSU-GE-UC, I) (C-ID CHEM 150: CHEM-28A + CHEM-29A) (C-ID CHEM 160s: CHEM 28A + CHEM 28B + CHEM 29A + CHEM 29B)

29B ORGANIC CHEMISTRY LABORATORY II  
**2 units, 6 lab hours, (Pass/No Pass)**

PREREQUISITES: Chemistry 29A. Corequisites: Chemistry 28B. ADVISORIES: Eligibility for English 1A. This course provides a study of the properties and reactions of organic compounds such as esters, aldehydes, ketones, and aromatics. Students will work hands on with instruments such as a melting point apparatus, a refractometer, a polarimeter, a gas chromatograph, an infrared spectrometer, and a nuclear magnetic resonance spectrometer. (A, CSU-GE, UC, I) (C-ID CHEM 160s: CHEM 28A + CHEM 28B + CHEM 29A + CHEM 29B)

CHILD DEVELOPMENT (CHDEV)

1 PRINCIPLES AND PRACTICES  
 OF TEACHING YOUNG CHILDREN  
**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. An examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative, and intellectual development for children. This course includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics, and professional identity. (A, CSU) (C-ID ECE 120)

3 INTRODUCTION TO CURRICULUM  
**3 units, 3 lecture hours, 1 lab hour  
 (Pass/No Pass)**

PREREQUISITES: Verification of immunization against influenza, pertussis, and measles, and freedom from tuberculosis. ADVISORIES: Eligibility for English 125 and 126. This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments in early childhood education. Students will examine a teacher's role in supporting learning and development in young children with an emphasis on the essential role of play. Students will study an overview of content areas including but not limited to: Language and literacy, social and emotional learning, sensory learning, art and creativity, math, and science. (A, CSU) (C-ID ECE 130)

5 PARENT EDUCATION  
**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. This course examines skills needed for effective parenting and the importance of nurturing young children. This course also addresses the explicit developmental needs of children and the use of effective communication skills. Positive discipline strategies will be explored as well as environmental influences on behavior. (A, CSU)

6 HEALTH, SAFETY AND NUTRITION  
 IN EARLY CHILDHOOD EDUCATION  
**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. Introduction to the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health, safety and nutrition. Prevention, detection, and management of communicable disease; medical issues associated with disabilities and chronic illness; physical health; mental health and safety for both children and adults; collaboration with families and health professionals will be discussed. Integration of the concepts discussed into planning and program development for children ages 0 to 5 will be emphasized. (A, CSU) (C-ID ECE 220)

11 THE YOUNG CHILD WITH SPECIAL  
 NEEDS (FORMERLY CHDEV 35)  
**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. Introduces the variations in development of children with special needs ages birth through eight and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process. (A, CSU)

## 12 CHILD ABUSE

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course will explore the issues related to abused, battered, and neglected children, along with the profile of abusers. Reporting laws and professional responsibilities will be identified. Identification, prevention and treatment of abused children and abusers will be covered. (A, CSU)

## 15 DIVERSITY AND CULTURE IN EARLY CARE AND EDUCATION PROGRAMS

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

Examination of the development of social identities in diverse societies including theoretical and practical implications of oppression and privilege as they apply to young children, families, programs, classrooms, and teaching. Various classroom strategies will be explored emphasizing culturally and linguistically responsive teaching and appropriate anti-bias approaches supporting all children in becoming competent members of a diverse society. Course includes self-examination and reflection on issues related to social identity, stereotypes and bias, social and educational access, media, and schooling. (A, CSU) (C-ID ECE 230)

## 17A INFANT AND TODDLER PRACTICUM (FORMERLY, CHDEV 7)

**3 units, 2 lecture hours, 3 lab hours (Pass/No Pass)**

PREREQUISITES: Child Development 1 & Child Development 39. Verification of immunization against influenza, pertussis, and measles, and freedom from tuberculosis. ADVISORIES: Eligibility for English 125 and 126.

This course introduces students to infant-toddler development. Applies current research to the care and education of infants and toddlers in group settings. Examines essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children from birth to 36 months. The "To Be Arranged" hours may include observation of and participation in planning environments and facilitating infant toddler growth and development. (A, CSU)

## 17B ADVANCED INFANT AND TODDLER DEVELOPMENT (FORMERLY CHDEV 7A)

**3 units, 3 lecture hours (Pass/No Pass)**

PREREQUISITES: Child Development 17A. ADVISORIES: Eligibility for English 125 and 126. A study of infants and toddlers focusing on birth to age three including physical, cognitive, language, social, and emotional growth and development. Includes an overview of pre-conception, conception, prenatal development, and birth. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Emphasizes the role of family and relationships in development. (A, CSU)

## 19V CHILD DEVELOPMENT COOPERATIVE WORK EXPERIENCE

**1-8 units: 75 hours of paid employment or 60 hours of unpaid employment per unit per semester. (Pass/No Pass)**

Students will gain work experience in a childcare, early intervention, special education or educational facility. Students can specialize their work experience at the level needed to accomplish their educational / career goals. These various levels of work experience include working with infants, toddlers, preschool, or grades K-12. Students gaining work experience towards the Early Intervention Assistant Certificate are required to complete their work experience at a facility that includes typically and atypically developing children. (A, CSU)

## 20 OBSERVATION AND ASSESSMENT

**3 units, 3 lecture hours (Pass/No Pass)**

PREREQUISITES: Child Development 1, 3, and

39. Verification of immunization against influenza, pertussis, and measles, and freedom from tuberculosis.

This course focuses on the appropriate use of assessment and observation strategies to document development, growth, play, and learning to join with families and professionals in promoting children's success. Recording strategies, rating systems, portfolios, and multiple assessment tools are explored. (A, CSU) (C-ID ECE 200)

## 30 CHILD, FAMILY, AND COMMUNITY

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and English 126.

An examination of the developing child in a societal context focusing on the interrelationship of family, school and community that emphasizes historical and social-cultural factors. The processes of socialization and identity development will be highlighted. (A, CSU, UC, CSU-GE, I) (C-ID CHDEV 110)

## 32 EARLY INTERVENTION

**3 units, 2 lecture hours, 3 lab hours (Pass/No Pass)**

PREREQUISITES: Verification of immunization against influenza, pertussis, and measles, and freedom from tuberculosis. ADVISORIES: Eligibility for English 125 and 126. This is a core course for the Early Intervention Assistant Certificate. The course studies infants and toddlers with disabilities, atypical development, or other special needs, both in the early intervention setting and in the child care setting. It explores strategies and interventions used in the field of early intervention. Current theories in early intervention, early relationships, family systems, grief processing, and stressors will be examined. (A, CSU)

## 37A EARLY CHILDHOOD PRACTICUM

**3 units, 2 lecture hours, 3 lab hours (Pass/No Pass)**

PREREQUISITES: Child Development 1, 3, 20 and 39. Verification of immunization against influenza, pertussis, and measles, and freedom from tuberculosis. ADVISORIES: Eligibility for English 125 & 126. This course integrates curriculum design, implementation, and evaluation of developmentally appropriate experiences that promote positive development and learning for all young children, in a supervised lab school setting or in early childhood programs with mentor teachers. Child centered play-orientated approaches to teaching, learning and assessment will be emphasized. Students will utilize practical classroom experience to make connections between theory and practice, develop professional behaviors and build a comprehensive understanding of children and families. (A, CSU) (C-ID ECE 210)

## 37B ADVANCED PRACTICUM IN EARLY CHILDHOOD EDUCATION

**3 units, 2 lecture hours, 3 lab hours (Pass/No Pass)**

PREREQUISITES: Verification of immunization against influenza, pertussis, and measles, and freedom from tuberculosis. ADVISORIES: Eligibility for English 125 & 126. Supervised experience as a teacher in an early childhood education program: developing environments for learning, child observation and assessment, documentation of children's work, behavior guidance, group management, collaborative teaching, building relationships with families, and effective preparation and implementation of curriculum using the project approach. (A, CSU)

38 LIFESPAN DEVELOPMENT  
(SEE ALSO PSYCHOLOGY 38)**3 units, 3 lecture hours**

ADVISORIES: English 1A. Basic theories, research concepts and principles of physical, cognitive and psychosocial development, including biological and environmental influences, will be explored with a focus on each major stage of life from conception to death. This course is designed to promote critical self-understanding. Students will apply developmental theory to major topics, including developmental problems, that occur throughout one's lifespan. (A, CSU-GE, UC, I) (C-ID PSY 180)

## 39 CHILD GROWTH AND DEVELOPMENT

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 or 126. This course examines basic theories, research, concepts and principles of physical, psychosocial, cognitive, and language development at each stage of life from conception through adolescence. Emphasis on environmental and genetic influences on typical and atypical development. (A, CSU-GE, UC, I) (C-ID CDEV 100)

## 40A ADMINISTRATION I: PROGRAMS IN EARLY CHILDHOOD EDUCATION

**3 units, 3 lecture hours (Pass/No Pass)**

PREREQUISITES: Child Development 30 and 17A or 37A. ADVISORIES: Successful completion of 12 units in child development and/or one year of Early Childhood Education teaching experience strongly recommended, eligibility for English 1A. Introduction to the administration of early childhood programs. Covers program types, budget, management, regulations, laws, development, and implementation of policies and procedures. Examines administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program. (A, CSU)

## 40B ADMINISTRATION II: PERSONNEL AND LEADERSHIP IN EARLY CHILDHOOD EDUCATION

**3 units, 3 lecture hours (Pass/No Pass)**

PREREQUISITES: Child Development 37A or Child Development 17A and 30. ADVISORIES: Eligibility for English 125 and 126. Effective strategies for personnel management and leadership in early care and education settings. Includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. (A, CSU)

45 ADULT SUPERVISION AND  
MENTORING IN EARLY CARE  
AND EDUCATION

**3 units, 3 lecture hours (Pass/No Pass)**

PREREQUISITES: Child Development 37A or 17A plus current employment in a supervisory capacity in an early care and education setting. ADVISORIES: Eligibility for English 125 and 126. 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. (A, CSU)

47 EMERGENT LITERACY

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course is designed for current students, future early childhood educators, those who are considering teaching as a profession, and prospective literacy tutors. Students will develop competency in emergent literacy strategies that are essential for delivering culturally relevant reading instruction to emergent young readers, children from birth through age 8. Students will study and gain knowledge of research-based principles and practices for providing young children with a strong foundation in emergent literacy in early reading, writing and oral language within a developmentally-appropriate approach. The theory and research is translated into practical strategies, assessment materials and preparation of a rich literacy environment. (A, CSU)

49 GUIDANCE FOR YOUNG CHILDREN

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course explores effective strategies for guiding children's behavior in the Early Care and Education environment. Establishing a pro-social environment, developing positive relationships, and maintaining a healthy schedule will be emphasized. Attention will be given to guidelines for discussion of behavioral issues of concern, the teacher's role in supporting children through emotional difficulties, and the needs of children at risk. (A, CSU)

CHINESE (CHIN)

1 BEGINNING CHINESE

**4 units, 4 lecture hours, 1 lab hour,  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

Beginning course in conversational and written Chinese for non-native speakers; intended for students without previous exposure to Chinese. Introduction to pronunciation, vocabulary, idioms, grammar, and exploration of Chinese culture and Chinese-American culture. (A, CSU-GE, UC, I)

2 HIGH-BEGINNING CHINESE

**4 units, 4 lecture hours, 1 lab hour,  
(Pass/No Pass)**

PREREQUISITES: Chinese 1. Second-semester course in conversational and written Chinese for non-native speakers. Development of grammatical structures and expansion of vocabulary. Further study of Chinese and Chinese-American cultures. (A, CSU-GE, UC, I)

COMMUNICATION (COMM)

1 PUBLIC SPEAKING

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A or 1AH.

Fundamentals of public speaking utilizing theories and techniques of communication enhance public speaking skills. Particular emphasis will be on the organization and criticism of public discourse. This will be achieved through research, reasoning, presentations, and the evaluation of various types of speeches which include informative and persuasive speeches. (A, CSU-GE, UC, I) (C-ID COMM 110)

1H HONORS PUBLIC SPEAKING

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A or 1AH. Fundamentals of public speaking utilize theories and techniques of communication to enhance public speaking skills. Particular emphasis will be on the organization and criticism of public discourse. This will be achieved through research, reasoning, presentations, and evaluation of various types of speeches which include informative and persuasive. As an Honor's section, this class will employ enhanced methods such as the use of advocacy and debate in addition to exploring prominent speakers and the analysis of famous speeches. (A, CSU-GE, UC, I) (C-ID COMM 110)

## 2 INTERPERSONAL COMMUNICATION

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A or 1AH. Interpersonal communication is designed to increase understanding and implementation of effective interpersonal communication behaviors and skills. This course will examine basic practical everyday communicative interaction; behavioral aspects of interpersonal communication, self-concept, perception, listening, non-verbal communication, conflict, language gender, and cultural differences will be emphasized. Students will engage in both group communication and the development of oral presentations. (A, CSU-GE, UC) (C-ID COMM 130)

## 4 PERSUASION

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A or 1AH. An introduction to the study and practice of persuasive discourse. This course was designed to examine historical and contemporary approaches to persuasive messages throughout time. The course will cover both theory and application of persuasive techniques in personal and professional communication. Opportunities are provided for students to present and analyze persuasive materials orally and in writing, as a way of developing communication and critical abilities. (A, CSU-GE, UC, I) (C-ID COMM 190)

## 8 GROUP COMMUNICATION

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A or 1AH. Group communication introduces students to how communication can be used as a vehicle for solving problems and making decisions imperative to successful social and professional interaction. Students will develop a conceptual understanding of small group principles and contexts, putting this knowledge into action through a variety of experiential activities. Students will study and practice theories, behaviors, and the process of group interactions. Students will construct and deliver informative and persuasive public presentations. (A, CSU-GE, UC, I) (C-ID COMM 140)

## 10 INTERCULTURAL COMMUNICATION

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A or 1AH. Intercultural Communication introduces students to the cultural variables and factors in the communication process. Emphasis is given to communicating effectively in diverse social and professional environments. Focus will also be given to the analysis and comparisons of message perception, verbal and nonverbal communication, communication climates, and language interpretation in interactions between people from different cultures. Activities are designed to develop communication skills that improve competence in intercultural situations. (A, CSU-GE, UC, I) (C-ID COMM 150)

## 12 FUNDAMENTALS OF INTERPRETATION

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A or 1AH. The interpretation of literature through critical analysis and oral performance of selected works including but not limited to: poetry, fiction, essays, drama, and children's literature. This includes both individual and pair/group performances. (A, CSU-GE) (C-ID COMM 170)

## 15 COMPUTER-MEDIATED COMMUNICATION

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A or 1AH. From email to social networking to online dating new communication technologies have changed the way people build and maintain relationships. This course explores several areas of study related to computer-mediated communication including historical perspectives, relationship formation online, online dating, hyperpersonal communication, the sociology of social networks and online communities, families and online communication, privacy and safety issues, and the convergence of mass and interpersonal communication. (A, CSU)

## 25 ARGUMENTATION

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Completion of English 1A or English 1AH and completion of either Communication 1 or Communication 1H, Communication 4 or Communication 8. Argumentation is designed to provide students with the methods of critical inquiry and advocacy. Emphasis will be placed on analysis, presentation and evaluation of oral and written argumentation. This course focuses on identifying fallacies, testing evidence, and advancing a reasoned position while defending and refuting arguments. Students will write a minimum of 6,000 words during the course of the semester. (A, CSU-GE, UC, I) (C-ID COMM 120)

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 COMPUTER SCIENCE (CSCI)
 

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 1 CRITICAL THINKING  
AND COMPUTER SCIENCE

**3 units, 3 lecture hours**

PREREQUISITES: MATH-103, Intermediate Algebra

ADVISORIES: Eligibility for English 1A

Overview of the field of computer science with an emphasis on logic and critical thinking skills. Abstraction, design, recursion, concurrency, hardware, and the theoretical limitations of computers. The history of computing and issues arising from the growing role of computers in society. The relevance of the basics of computer science in all fields will be emphasized. Students will be given a friendly introduction to programming that will prepare them for success in CSCI 40 or in their respective fields. (A, CSU, CSU-GE)

 26 DISCRETE MATHEMATICS  
FOR COMPUTER SCIENCE

**4 units, 4 lecture hours, 1 lab hours**

PREREQUISITE: Computer Science 40. ADVISORIES: Eligibility for English 125 and 126. This course studies elements of discrete mathematics which have applications to computer science. Topics include sets, propositional and predicate logic, relations and functions, proof techniques, graph, trees, and discrete probability. (A, CSU-GE, UC, I) (C-ID COMP 152)

 40 PROGRAMMING CONCEPTS  
AND METHODOLOGY I

**4 units, 4 lecture hours, 1 lab hours**

PREREQUISITES: Mathematics 4A or equivalent.

ADVISORIES: Eligibility for English 125 and 126.

This course introduces problem solving, algorithm development, procedural and data abstraction using C++ language; program design, coding, debugging, testing, and documentation. (A, CSU, UC) (C-ID COMP 112, COMP 122)

 41 PROGRAMMING CONCEPTS  
AND METHODOLOGY II

**4 units, 4 lecture hours, 1 lab hours**

PREREQUISITES: Computer Science 40 or Engineering 40. ADVISORIES: Eligibility for English 125 and 126. This course introduces programming methodology, review of data types; linear and non-linear data structures which include lists, stacks, queues, trees, and files; implementation of data structures, recursion, searching, and sorting. C++ language is used. (A, CSU, UC) (C-ID COMP 132)

 45 COMPUTER ORGANIZATION AND  
ASSEMBLY LANGUAGE PROGRAMMING

**4 units, 4 lecture hours, 1 lab hour,  
(Pass/No Pass)**

PREREQUISITES: Computer Science 41.

This course introduces functional organization of digital computers and low level programming; internal representation of data, binary arithmetic, machine instructions, addressing modes, subroutine linkage, macros and interrupts, Assembly language programming. (A, CSU, UC) (C-ID COMP 142)

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 COOPERATIVE WORK EXPERIENCE  
EDUCATION (COTR)
 

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*Students may earn no more than a total of 16 semester units of Cooperative Work Experience Education subject to the limitations as described below.*

## TRANSFER

*Students should review the catalog of the college to which they plan to transfer to determine the number of units of cooperative work experience that will transfer.*

 19G COOPERATIVE WORK EXPERIENCE,  
GENERAL

**1-6 units: 75 hours of paid employment or  
60 hours volunteer employment per unit per  
semester. (Pass/No Pass)**

Supervised employment, not directly related to the student's major. Students may enroll for a maximum of 6 units per semester. Students earn units using the following formula: for paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253.

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 COUNSELING (COUN)
 

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 3A UNDERSTANDING TRANSFER:  
CALIFORNIA STATE UNIVERSITY

**1 unit, 1 lecture hour (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. This course provides an introduction to the process of transferring to the California State University. Topics will include transfer admission requirements, major and college selection, the application process, and support resources. (A, CSU)

## 47 LEARNING STRATEGIES

**2 units, 2 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

Establishing effective study habits and positive attitudes that will lead to successful achievement of academic goals. The course includes: understanding the psychology of learning, identifying learning styles, obstacles to achievement, goal setting, time management, concentration, active listening, note taking, using a textbook, memory techniques, test taking, vocabulary building, and budgeting resources. (A, CSU)

## 53 COLLEGE AND LIFE MANAGEMENT

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. This course is designed for first-year college students. It will prepare students for college life and academic success. Topics will include personal growth and development, academic goal development, campus resources, student success strategies, diversity and cultural awareness, and maintaining a healthy lifestyle. (A, CSU-GE, UC)

## 263 LEADERSHIP DEVELOPMENT

**1.5 units, 1 lecture hour, 1.5 lab hours (Pass/No Pass)**

A course designed to introduce students to theory, principles, and techniques of leadership. Students will develop practical skills in parliamentary procedures, budgeting, and activity planning through active participation in Associated Student Government.

## CRIMINOLOGY (CRIM)

## 1 INTRODUCTION TO CRIMINOLOGY

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course introduces students to the history and philosophy of the United States criminal justice system. It also analyzes theories of crime and crime causation in conjunction with how law is developed. Additionally, the course examines sentencing and incarceration processes. (A, CSU, UC) (C-ID AJ 110)

## 3 LEGAL ASPECTS OF EVIDENCE

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course examines categories of evidence and legal rules which govern their admissibility or exclusion in a United States court of law. (A, CSU) (C-ID AJ 124)

## 4 PRINCIPLES &amp; PROCEDURES OF THE JUSTICE SYSTEM

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course analyzes criminal law and its relationship to court proceedings in the United States. Additionally, the class introduces students to concepts such as: procedural rules, jurisdiction, classification and elements of crimes. It also focuses on the legal issues and constitutional interpretations involving extradition, arrest, search and seizure laws, admissions and confessions and other directives provided to law enforcement agencies. (A, CSU) (C-ID AJ 122)

## 5 COMMUNITY RELATIONS

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course examines the complex, dynamic relationship between communities and the agents of the criminal justice system. Students discuss the various multicultural issues which may arise in a diverse society and the appropriate ways in which criminal justice agents might respond. (A, CSU, UC) (C-ID AJ 160)

## 6 CRIMINAL LAW

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

Criminal Law offers an analysis of the history and the philosophy of criminal liability in the United States, as well as an understanding of the classification of crimes against property and persons. This course discusses the most frequently used criminal statutes in the United States as well as those most used in the state of California. (A, CSU, UC) (C-ID AJ 120)

## 7 POLICE OPERATIONS AND PROCEDURES

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course explores the theories, philosophies, and concepts related to the line law enforcement officer. Additionally, the course places special emphasis on patrol, traffic, and public service responsibilities and their relationship to the criminal justice system. (A, CSU)

## 8 CRIMINAL INVESTIGATIONS

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course examines the criminal investigation process. More specifically, the course addresses the techniques, procedures, and ethical issues involved in the investigation of crime. Additionally, the students will gain an understanding of preliminary and follow up investigations, as well as interview and interrogation techniques, case documentation, and court preparation. (A, CSU) (C-ID AJ 140)

## 10 VICE CONTROL

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course focuses on legal issues relating to vice detection, crime suppression, criminal apprehension, and prosecution of offenders. It also examines organized crime and its effect on the criminal justice system. (A, CSU)

## 11 JUVENILE DELINQUENCY

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course explores the origins of juvenile law as well as issues relating to juvenile delinquency. It also analyzes the juvenile court system and its processes. (A, CSU) (C-ID AJ 220)

## 12 CRIMINAL JUSTICE COMMUNICATIONS

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course emphasizes the fundamentals of gathering and organizing information for the purposes of writing reports within the criminal justice system. (A, CSU)

## 13 THE CONSTITUTION AND YOUR INDIVIDUAL RIGHTS

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course examines the history and development of the United States Constitution and places particular emphasis on how the document informs Supreme Court cases. More specifically, the course analyzes the interpretive reasoning utilized by Supreme Courts Justices in making constitutionally based decisions. Also, there is a concentration on the historic protection of individual rights contrasted with the inherent power of the government. (A, CSU-GE)

## 14 MULTI-CULTURAL ISSUES WITHIN PUBLIC SAFETY

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course encompasses a theoretical as well as conceptual overview of multi-cultural concepts and matters related to gender, age, and sexual orientation. Additionally, the course identifies issues that have arisen as a result of society's increasingly diverse population as well as examines strategies to address those issues in the context of maintaining social order. (A, CSU, UC)

## 15 INTRODUCTION TO POLICE ETHICS

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course examines the philosophical and theoretical issues related to the ethical considerations that are faced in every aspect of the criminal justice system. Also, the course is designed to challenge students in the areas of morality, ethics, and human behavior. (A, CSU)

## 19V COOPERATIVE WORK EXPERIENCE, CRIMINAL JUSTICE

**1-8 units, 75 hrs/unit paid, 60 hrs/unit volunteer**

This course offers credit for work experience. It is supervised employment directly related to the student's major and/or career goals in the field of Criminal Justice. Students may enroll for a maximum of 8 units in one enrollment period. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. (A, CSU)

## 20 INTRODUCTION TO CORRECTIONS

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course examines the history, philosophy, and concepts of the United States correctional system. Additionally, the course presents a critical analysis of punishment and its alternatives, as well as a review of the various types of correctional facilities employed in the United States. (A, CSU) (C-ID AJ 200)(C-ID AJ 200 CRIM 20 + CRIM 28)

## 23 CORRECTIONAL INTERVIEWING AND COUNSELING

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course provides an overview of the contemporary techniques used in counseling and interviewing by corrections personnel. (A, CSU)

## 24 CONTROL AND SUPERVISION IN CORRECTIONS

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course presents an overview of the supervision of inmates in local, state, and federal correctional institutions. Additionally, it emphasizes issues of institutional control which include the daily inner workings of the system, crisis situations, inmate subculture, violence and the cause and effect of the use of abusive tactics. (A, CSU)



## 28 PROBATION AND PAROLE

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and 126.

This course looks at the history, development, and current practices of probation and parole. It also analyzes the current trends and issues of community-based corrections, as well as alternatives for offenders. (A, CSU) (C-ID AJ 200 CRIM 20 + CRIM 28)

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DANCE (DANCE)

## 9 DANCE CONDITIONING

**1 unit, 3 lab hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 or 126.

This course is designed for students to learn basic conditioning skills for dance. Instruction includes techniques that promote body awareness, improve body alignment and expedite body ability for dance skills. This course is designed for students of all ages and fitness levels. (A, CSU, UC)

## 10 MODERN DANCE

**1 unit, 3 lab hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 or 126.

This course is designed to teach modern dance exercises and improvisations involving body movement, rhythm, design, dynamics, technique, and expression. Students will learn body conditioning exercises for posture, strength, and flexibility. (A, CSU, UC)

## 12A BALLET

**1 unit, 3 lab hours (Pass/No Pass)**

ADVISORY: Eligibility for English 1A recommended.

Fundamental technique of classical Ballet using barre exercises and center work. Basic concepts of ballet dance vocabulary and ballet terminology for the beginning student. (A, CSU, UC)

## 14 BEGINNING JAZZ DANCE

**1 unit, 3 lab hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 or 126.

This course is a study of contemporary dance style, modified from ballet and modern dance. Students will utilize basic steps and isolated body parts; conditioning exercises for strength, flexibility, balance, and alignment done in a rhythmic form to jazz and other contemporary music. (A, CSU, UC)

15 INTERMEDIATE JAZZ DANCE  
TECHNIQUE**1 unit, 3 lab hours, (Pass/No Pass)**

ADVISORIES: English 125 and 126.

Dance 15 is a progressive refinement of jazz dance technique, building upon skills and techniques covered in Dance 14. Students will utilize basic and intermediate steps and isolated body parts; conditioning exercises for strength, flexibility, balance, and alignment done in a rhythmic form to jazz and other contemporary music. (A, CSU, UC)

28 INTERMEDIATE MODERN DANCE  
TECHNIQUE**1 unit, 3 lab hours, (Pass/No Pass)**

ADVISORIES: English 125 and 126. Dance 28 is a progressive refinement of modern dance technique, building upon skills and techniques covered in Dance 10. Dance 28 covers an intermediate-level modern dance, emphasis on up-side down movement, fast-pace locomotor patterns, and weight sharing. (A, CSU, UC)

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ECONOMICS (ECON)

## 1A PRINCIPLES OF MACROECONOMICS

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 201. ADVISORIES: Mathematics 103, English 125 and English 126. An introduction to macroeconomic theory and aggregate economic analysis covering market systems, the banking system, international economics, economic policy, national income accounting, unemployment and inflation, and economic growth. (A, CSU-GE, UC, I) (C-ID ECON 202)

## 1B PRINCIPLES OF MICROECONOMICS

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 201. ADVISORIES: Mathematics 103, English 125 and English 126. An introduction to micro economic theory covering the choices of individual economic decision makers, elasticity, scarcity, income distribution, market structure, market failure, production and cost theory, specialization and trade, and the role of the public sector. (A, CSU-GE, UC, I) (C-ID ECON 201)

## EDUCATION (EDUC)

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### 10 INTRODUCTION TO TEACHING 3 units, 2 lecture hours, 3 lab hours, (Pass/No Pass)

ADVISORIES: Eligibility for English 125 and 126.

This course introduces students to the concepts and issues related to teaching diverse learners in contemporary schools, Kindergarten through grade 12 (K-12). Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California's content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in K-12 classrooms that represent California's diverse student population, and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher. Students need to do their observation in a classroom that is in line with their degree plans. Single subject majors (History, Math, English, etc.) need to observe in subject area at a high school or junior high. Multiple subject students need to do their observations in an elementary school or junior high school. (A, CSU, UC) (C-ID EDUC 200)

## ENGINEERING (ENGR)

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### 2 ENGINEERING GRAPHICS 4 units, 2 lecture hours, 6 lab hours, (Pass/No Pass)

PREREQUISITES: Mathematics 4A. ADVISORIES: Eligibility for English 125 and 126. 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. (A, CSU, UC) (C-ID ENGR 150)

### 4 ENGINEERING MATERIALS 3 units, 3 lecture hours, (Pass/No Pass)

PREREQUISITES: Chemistry 1A, Physics 4A.

ADVISORIES: Eligibility for English 125 and 126.

This is an introductory course on the properties of engineering materials and their relation to the internal structure of materials. Topics include atomic structure and bonding; crystalline structures; phases and phase diagram; metals; polymers; ceramics; composites; mechanical deformation and fracture; structural control and influence of properties; materials naming and designating systems; and electrical properties. (A, CSU, UC) (C-ID ENGR 140)

### 5 PROGRAMMING AND PROBLEM-SOLVING IN MATLAB 3 units, 2 lecture hours, 3 lab hours (Pass/No Pass)

PREREQUISITE: Mathematics 5A. ADVISORIES: Eligibility for English 1A or English 1AH. 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. (A, CSU, UC) (C-ID ENGR 220)

### 6 ELECTRIC CIRCUITS ANALYSIS WITH LAB 4 units, 3 lecture hours, 3 lab hours, (Pass/No Pass)

PREREQUISITES: Physics 4B. Corequisites: Mathematics 17.

ADVISORIES: Eligibility for English 125 and 126. An introductory course in the analysis of DC and AC linear circuits containing resistors, inductors, capacitors, independent and dependent voltage and current sources, and operational amplifiers. Lecture topics include Ohm's Law, Kirchhoff's Laws, loop and mesh analysis, Thevenin's and Norton's Theorems, superposition, natural and forced response in first and second order circuits, phasor analysis, resonance, AC steady-state power calculations, power transfer, and energy concepts. Lab component includes construction, testing, and analysis of linear electrical circuits. (A, CSU, UC) (C-ID ENGR 260) (C-ID 260L)

### 8 STATICS 3 units, 3 lecture hours, (Pass/No Pass)

PREREQUISITES: Physics 4A. COREQUISITES: Mathematics 6. ADVISORIES: Eligibility for English 125 and 126. The study of rigid bodies in static equilibrium when acted upon by forces and couples in two- and three-dimensional space. Includes equilibrium of rigid bodies, trusses, frames and machines, friction, shear and bending moment diagrams, as well as the calculation of centers of mass, centroids, and moments of inertia. (A, CSU, UC) (C-ID ENGR 130)

10 INTRODUCTION TO ENGINEERING  
**2 units, 2 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126 and Mathematics 201. This course is an introduction to the engineering profession for students interested in a career in engineering or technology. Topics include the branches of engineering, the functions of an engineer, and the industries in which engineers work. Students will also investigate education plans, internships, the design process, analytical problem solving techniques, project management, and professional ethics. Hands-on projects are used extensively in the course. (A, CSU, UC)(C-ID ENGR 110)

40 PROGRAMMING FOR SCIENTISTS  
 AND ENGINEERS  
**4 units, 3 lecture hours, 3 lab hours (Pass/No Pass)**

PREREQUISITES: Mathematics 4B. ADVISORIES: Eligibility for English 125 or 126. This course introduces the use of C++ programming language to solve engineering and applied science problems. It includes a systematic development of program structure, specification, testing and debugging. Lab assignments include traditional program development as well as the interface of software with the physical world. (A, CSU, UC)(C-ID ENGR 120)

## ENGLISH (ENGL)

1A READING AND COMPOSITION  
**4 units, 4 lecture hours**

PREREQUISITES: English 125 and 126 or English 130 and English 126 or Interdisciplinary Studies 251, or placement through college assessment process. Students will read, analyze, and compose college-level prose, with emphasis on the expository; study writing as a process; explore different composing structures and strategies; edit and revise their own writing; and conduct research (gather, organize, evaluate, integrate, and document information), culminating in a term research paper and annotated bibliography. Students will write a minimum of 6,000 words in formal academic language. (A, CSU-GE, UC, I) (C-ID ENGL 100) (C-ID ENGL 110)

1AH HONORS READING AND  
 COMPOSITION  
**4 units, 4 lecture hours**

PREREQUISITES: English 125 and 126 or English 130 and English 126 or placement through college assessment process.

English 1AH focuses on reading, analyzing, and composing college-level prose, with emphasis on the expository: studying writing as a process; exploring different composing structures and strategies; editing and revising one's own writing; conducting research (gathering, organizing, evaluating, integrating, and documenting information), culminating in a term research paper using both traditional and original research. As an Honors section, this course is organized on a theme with a seminar approach. Students will write a minimum of 8,000 words in formal academic language. (A, CSU-GE, UC, I) (C-ID ENGL 100) (C-ID ENGL 110)

1B INTRODUCTION TO THE STUDY  
 OF LITERATURE  
**3 units, 3 lecture hours**

PREREQUISITES: English 1A or 1AH. Development of critical thinking, reading and writing skills through experience with literature, including fiction, poetry, plays, and criticism. (A, CSU-GE, UC, I) (C-ID ENGL 120) (C-ID ENGL-LIT 100)

1BH HONORS INTRODUCTION TO  
 THE STUDY OF LITERATURE  
**3 units, 3 lecture hours**

PREREQUISITES: English 1A or 1AH. This course uses literary works as content for reading and writing with emphasis on analytical and critical approaches to drama, poetry, and prose fiction. As an Honors section, this class will employ enhanced teaching methods such as a seminar approach, more research-based writing assignments, and assignments calling for a higher level of critical thinking. (A, CSU-GE, UC, I) (C-ID ENGL 120) (C-ID ENGL-LIT 100)

3 CRITICAL READING AND WRITING  
**3 units, 3 lecture hours**

PREREQUISITES: English 1A or 1AH. A course designed to develop critical thinking, reading, and writing skills beyond the level achieved in English 1A/1AH. The course will focus on the development of logical reasoning and analytical and argumentative writing skills based primarily on works of non-fiction in a variety of media. Students will write a minimum of 6,000 words during the course of the semester. (A, CSU-GE, UC, I) (C-ID ENGL 105) (C-ID ENGL 115)

### 3H HONORS CRITICAL READING AND WRITING

**3 units, 3 lecture hours**

PREREQUISITES: English 1A or 1AH. A course designed to develop critical thinking, reading, and writing skills beyond the level achieved in English 1A/1AH. The course will focus on the development of logical reasoning and analytical and argumentative writing skills based primarily on works of non-fiction. Students will analyze classical and contemporary essays and synthesize critical research. As an Honor's section, this class will employ enhanced teaching methods such as seminar approach and assignments calling for a higher level of critical thinking. Students will write a minimum of 6,000 words during the course of the semester. (A, CSU-GE, UC, I) (C-ID ENGL 105) (C-ID ENGL 115)

### 15A CREATIVE WRITING: POETRY

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: English 1A or 1AH. A course intended for students who enjoy reading and writing poetry. In this course, students will study poems by professional writers and fellow students and use what they learn to write their own original poetry. The strongest poems written in this class are often recommended for publication in Clovis Community College's literature journal, *The Review*. (A, CSU, UC) (C-ID ENGL 200: ENGL 15A + ENGL 15B) (C-ID ENGL-CW 100: ENGL 15A + ENGL 15B)

### 15B CREATIVE WRITING: FICTION

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: English 1A or 1AH. English 15B is intended for students who are interested in writing short fiction; the course includes appropriate exercises, readings, and critical analyses of published and student work. (A, CSU, UC) (C-ID ENGL 200: ENGL 15A + ENGL 15B) (C-ID ENGL-CW 100: ENGL 15A + ENGL 15B)

### 15E CREATIVE WRITING: NON-FICTION

**3 units, 3 lecture hours**

PREREQUISITES: English 1A or 1AH. A workshop course intended for students who are interested in writing creative non-fiction; includes appropriate exercises, readings and analyses of published and student work. (A, CSU, UC)

### 15F CREATIVE WRITING: SCREENWRITING

**3 units, 3 lecture hours**

PREREQUISITES: English 1A or 1AH. A course intended for students who are interested in writing for the screen; includes appropriate exercises, readings, viewing, and critical analyses of professional and student work. (A, CSU, UC)

### 41 THEMES IN LITERATURE

**4 units, 4 lecture hours**

PREREQUISITES: English 1A or 1AH. English 41 explores themes, authors, or genres through close readings, contextual approaches, interpretations, and critical evaluations. The subject will vary with the instructor (for example, the instructor may choose a thematic organization such as "Rites of Passage in the American Consciousness" or the "The Detective as Hero"; focus on a particular author such as Emily Dickinson or Carlos Fuentes; or a genre such as popular literature or science fiction). (A, CSU, UC)

### 43A AMERICAN LITERATURE: ORIGINS THROUGH RECONSTRUCTION (1877)

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: English 1A. Readings in American literature from the Colonial period through Reconstruction. Fiction, poetry, and non-fiction will be placed into their historical and philosophical contexts. Discussion and written responses are based on the reading. (A, CSU-GE, UC, I) (C-ID ENGL 130)

### 43B AMERICAN LITERATURE: 1877 TO PRESENT

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: English 1A. Analysis and study of fiction, drama, poetry, non-fiction, film, advertising, and ephemera of the United States from the Reconstruction to present day. (A, CSU-GE, UC, I) (C-ID ENGL 135)

### 44A WORLD LITERATURE TO THE RENAISSANCE

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Completion of English 125 and 126 or eligibility for English 1A as determined by college assessment or other appropriate method. This course is a survey of selected works in translation and in English of world literature from antiquity to the Renaissance. (A, CSU-GE, UC, I) (C-ID ENGL-140) (C-ID ENGL-LIT 180)

### 44B WORLD LITERATURE SINCE THE RENAISSANCE

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Completion of English 125 and 126 or equivalents or eligibility for English 1A as determined by the college's assessment process. This course is a survey of the most enduring fiction, drama, and poetry in the world from the Renaissance to the present. (A, CSU-GE, UC, I) (C-ID ENGL 145) (C-ID ENGL-LIT 185)

## 46A ENGLISH LITERATURE TO 1800

**3 units, 3 lecture hours**

PREREQUISITES: English 1A or 1AH. A study of significant voices in English literature from the early epic through the Eighteenth Century. Fiction, poetry, drama, and non-fiction will be placed into their historical and philosophical contexts. (A, CSU-GE, UC, I) (C-ID ENGL 160) (C-ID ENGL-LIT 160)

## 46B ENGLISH LITERATURE FROM 1800 TO THE PRESENT

**3 units, 3 lecture hours**

PREREQUISITES: English 1A or 1AH. A study of significant voices in English literature from the end of the Eighteenth Century into the Twentieth Century. Fiction, poetry, drama, and non-fiction will be placed into their historical and philosophical contexts. (A, CSU-GE, UC, I) (C-ID ENGL 165)

## 47 SHAKESPEARE

**3 units, 3 lecture hours**

PREREQUISITES: English 1A or 1AH. The plays and sonnets of William Shakespeare are studied and analyzed in their historical and cultural contexts for an appreciation of the dramatic art and poetry. (A, CSU-GE, UC, I)

## 49 LATINO &amp; CHICANO LITERATURE

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A. Short stories, poems, plays, novels of Latin American and Chicano writers are studied and analyzed for appreciation and understanding of the literature and culture. (A, CSU-GE, UC, I)

## 72 WRITING CENTER THEORY AND PRACTICE

**1 unit, 1 lecture hour, .5 lab hours**

PREREQUISITES: Eligibility for English 125 or 126 or placement by assessment. This course provides instruction and guided practice in peer learning assistance. The course is intended for those interested in helping students with reading and writing assignments while also enhancing their own reading and writing skills. Reader-based feedback and active learning strategies are practiced. Areas for study include composition theory, collaborative learning, writing centers, and reading and writing across the curriculum. (A, CSU)

## 72A ADVANCED WRITING CENTER THEORY AND PRACTICE

**1 unit, 1 lecture hour, .5 lab hour**

PREREQUISITE: English 72. This course provides instruction and guided practice in peer tutoring strategies focusing on the needs of various types of student writers and different tutoring contexts. The course specifically addresses tutoring strategies for ESL students, students with learning disorders and learning style differences, students with discipline-specific writing needs, as well as for online sessions and classroom-embedded interactions. Specialized reader-based feedback and active learning strategies are practiced. (A, CSU)

## 125 WRITING SKILLS FOR COLLEGE

**4 units, 4 lecture hours, (Pass/No Pass)**

PREREQUISITES: English 252 or placement by the college assessment process. In this course, students will develop the process of writing, revising, and finishing essays, which includes the logical development and organization of ideas. Students will avoid common writing errors, develop their writing skills by reading model essays and analyzing rhetorical strategies, develop critical thinking skills by matching the structures of writing to meaning and audience, and by using writing as thinking to explore and express ideas. This course is a companion to ENGL 126 and prepares students for ENGL 1A. Students must successfully complete written course work to receive credit. (A)

## 126 READING SKILLS FOR COLLEGE

**4 units, 4 lecture hours, (Pass/No Pass)**

PREREQUISITES: English 262 or 262B or placement by the college assessment process. Students' basic reading skills are developed into college-level proficiencies in vocabulary usage, literal comprehension, and analytical and critical comprehension. Various reading and reporting strategies are developed and improved for different styles of academic writing. Instruction emphasizes reading as a problem-solving process. (A)

## 130 ACCELERATED WRITING

**5 units, 5 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 252. In this course, students will practice writing, revising, and proofreading essays. Students will learn to think critically and to logically develop and organize ideas. Students will use readings to enhance their writing skills and to learn how to integrate and document sources. This is an accelerated course that prepares students for ENGL 1A. This class is not intended for students who have taken English 252 or English 125. (A)

205 STRATEGIC SKILLS  
FOR SUCCESS IN ENGLISH

**2 units, 2 lecture hours**

COREQUISITE: English 1A This course will be taught in conjunction with English 1A College Reading and Writing. It will emphasize critical reading, expository and argumentative writing, and mastery of library research techniques. It includes instruction and practice in critical thinking, in analytical reading and evaluation of written work, and in the methods of clearly communicating and supporting ideas in organized, coherent essays.

252 WRITING IMPROVEMENT

**4 units, 4 lecture hours, (Pass/No Pass only)**

PREREQUISITES: English 250 or placement by college assessment process. In this course, students will develop their writing skills by composing short essays (both in and out of class), while learning how to brainstorm, outline, draft, revise, and edit. In the process, they will work on developing paragraphs and correcting basic grammar errors. This course is a companion to ENGL 262 and prepares students for ENGL 125. Students must successfully complete written course work to receive credit.

262 READING IMPROVEMENT

**4 units, 4 lecture hours, (Pass/No Pass)**

PREREQUISITES: Placement by college assessment process. English 262 includes a variety of group and individual skill development activities in phonetic and structural analysis, basic contextual vocabulary, and literal and basic comprehension skills to foster independent reading proficiency. This course prepares students for English 126. It is recommended to be taken concurrently with English 252 or English 125.

272 ASSISTANCE IN COLLEGE WRITING

**.5 -1 unit, 1.5-3 lab hours, (Pass/No Pass only)**

This course is intended for any student requiring help with written compositions in any discipline. The course will provide intensive assistance in writing and critical thinking. Students will develop, improve, and refine compositions to sustain focus, employ analysis, reflection, organization, and logical structure. All stages of the writing process are practiced.

## FILM (FILM)

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1 INTRODUCTION TO FILM STUDIES

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A or 1AH.

A course demonstrating the uses of photography, editing, and sound in the telling of film stories; it will explore film and social issues, filmic meaning, and the main issues of film theory and criticism. (A, CSU-GE, UC, I)

2A HISTORY OF CINEMA: 1895-1960

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 or English 126.

This course provides a survey of significant moments in the creation, delivery, reception, and influence of cinema from the 1890's to 1960. Instruction will include the origins of film technology and its increasing usefulness for narrative, historical documentary, and political argument or indoctrination, and aesthetics. Analysis will include the discovery of how technology, society, public taste, history and social concerns shaped the medium. (A, CSU-GE, UC, I)

2B HISTORY OF CINEMA: 1960 TO PRESENT

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 or 126.

This course is a survey of significant films and advances in the creation, reception and influence of cinema from 1960 to the present. Instruction will include the international reach and commercial success of the film industry, the hegemony of Western film, the maintenance and the re-tooling of Hollywood as a labor force from the Classical period to the present. Also, this course charts the filmic conventions and advancements of narrative and documentary film, and how film is used as a political argument or as indoctrination. Analyses will include varying film criticisms from feminist to Marxist to reception theory, among others. (A, CSU-GE, UC, I)

## FOOD AND SAFETY PROCESSING (FSAP)

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1 INTRODUCTION TO FOOD MICROBIOLOGY  
(FORMERLY FOOD SAFETY AND PROCESSING 135)

**4 units, 3 lecture hours, 3 lab hours**

ADVISORIES: Eligibility for English 125 and English 126, and Mathematics 201. An introduction to the principles of food microbiology and food safety. Investigation of the beneficial and harmful effects of microorganisms on food. Survey of the types of microbes found in various types of food, as well as methods for their detection. Evaluation of methods of microbial control and mechanisms of disease of important food microorganisms, as well as sources of food contamination. Examination of implementation and effectiveness of food safety programs. Field trips may be required. (A, CSU)

2 FOOD PROCESSING, PACKAGING,  
AND AGRICULTURAL: LAWS & REGULATIONS  
(FORMERLY FOOD SAFETY AND  
PROCESSING 158)

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 125 and English 126, and Mathematics 201. An introduction to the laws and regulations affecting the food processing, packaging, and agriculture industry. Topics include government agencies and their functions, public and employee safety, insurance, agriculture organizations, labor and land issues, and water and air quality issues. (A, CSU)

130 INTRODUCTION TO FOOD SAFETY

**1.5 units, 1.5 lecture hours**

ADVISORIES: Eligibility for English 125, English 126, and Mathematics 201. An introductory course in food safety for those interested in exploring a career in food processing. Covers conditions and practices that cause food borne illnesses, organisms responsible, elements of a food safety control system, worker sanitation, and introduction to best practices in the processing, retail, and home kitchen. Field trips may be required. (A)

131 AGRICULTURAL PRACTICES  
FOR FOOD SAFETY

**1.5 units, 1.5 lecture hours**

ADVISORIES: Eligibility for English 125, English 126, and Mathematics 201. Focuses on establishing agricultural practices as they relate to the production of farm products from a food safety standpoint. Covers the specific guidelines for some key agricultural commodities, regulating and monitoring food safety guidelines, writing standard operating procedures, employee training, and technologies to assist in production of safe food. Field trips may be required. (A)

132 FOOD SAFETY MANAGEMENT

**1.5 units, 1.5 lecture hours**

ADVISORIES: Eligibility for English 125, English 126, and Mathematics 201. Covers the creation and management of a food safety program including: evaluating current practices, creating and implementing a food safety program with documentation, describing pathogen behavior, and crisis management procedures. Field trips may be required. (A)

133 MANAGEMENT FOR FOOD SAFETY

**1.5 units, 1.5 lecture hours**

ADVISORIES: Eligibility for English 125, English 126, and Mathematics 201. Covers food safety issues and concerns in the manufacturing facility including such: facility sanitization, recognizing potential hazards, analysis of problems in the temperature control/cold chain, developing improved practices, Hazard Analysis and Critical Control Point (HACCP) principles, employee training, and the inspection process. Field trips may be required. (A)

134 ENVIRONMENTAL EFFECTS  
ON FOOD BORNE PATHOGENS

**1.5 units, 1.5 lecture hours**

ADVISORIES: Eligibility for English 125, English 126, and Mathematics 201. Potential environmental sources and transport mechanisms of food borne pathogens. Students will learn how to make informed decisions about the potential effects of local site conditions on food safety. Covers the role of site conditions and pathogen transport such as: livestock proximity, wildlife behavior and habitat, rainfall in irrigation runoff, soil types, slope, aspect, climate, soil erosion and deposition by water and wind, flooding, vegetation and the behavior of pathogens in the environment. Field trips may be required. (A)

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FOODS AND NUTRITION (FN)

35 NUTRITION AND HEALTH

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126 or equivalent. Relationship of diet to physical and emotional health: nutrients, diet patterns throughout the life cycle. Optimal nutrition to reduce the risks of cancer, heart disease, allergies, and other diseases. Social, psychological, and cultural dictates which affect food selection and health. Personal strategies to develop a nutrition plan for better health. Designed for students with an interest in Food Services. Not open to students with credit in Foods and Nutrition 40, Nutrition. (A, CSU-GE, UC)

40 NUTRITION

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. Nutrients and their ingestion, digestion, absorption, transport, metabolism, interaction, storage, and excretion. The relationship of diet to physical and emotional health, diet patterns through the life cycle, consumer concerns, and recent developments. (A, CSU, UC)

## FRENCH (FRENCH)

### 1 BEGINNING FRENCH

**5 units, 5 lecture hours, (Pass/No Pass)**

ADVISORIES: English 1A. Beginning course in conversational and written French for non-native speakers. Introduction to pronunciation, vocabulary, idioms, grammar, basic composition, and exploration of the cultures of France and other Francophone countries and regions. (A, CSU-GE, UC, I)

### 2 HIGH-BEGINNING FRENCH

**5 units, 5 lecture hours, (Pass/No Pass)**

PREREQUISITES: French 1 or 2 years of high school French. ADVISORIES: English 1A. Second-semester course in conversational and written French for non-native speakers. Development of grammatical structures and expansion of vocabulary. Further study of the cultures of France and other Francophone countries and regions. Introduction to the literary text. (A, CSU-GE, UC, I)

### 3 INTERMEDIATE FRENCH

**4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)**

PREREQUISITES: French 2, or 3 years of high school French, or the equivalent skill level as determined by the instructor. ADVISORIES: Eligibility for English 125 and 126. Third-semester course in conversational and written French for non-native speakers. Review of basic grammar. Further development of oral skills and grammatical structures and continued expansion of vocabulary. Composition and discussion of short literary texts. Increasing emphasis on reading and writing as tools in exploring the cultures of France and other Francophone countries and regions. (A, CSU-GE, UC, I)

### 4 HIGH-INTERMEDIATE FRENCH

**4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)**

PREREQUISITES: French 3 or equivalent skill level as determined by the instructor. ADVISORIES: Eligibility for English 125 and 126. Fourth-semester course in conversational and written French for non-native speakers. Development of proficiency of grammar and language usage. Continued exploration of current topics and cultures of France and Francophone countries and regions as reflected in the language and literature. (A, CSU-GE, UC, I)

## GEOGRAPHY (GEOG)

### 1 PHYSICAL GEOGRAPHY

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 1A recommended. The 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 the processes and their resulting patterns and distributions. Tools of geographic inquiry are also briefly covered; they include: maps, remote sensing, Geographic Information Systems (GIS) and Global Positioning Systems (GPS). (A, CSU, CSU-GE, UC, IGETC)

### 2 CULTURAL GEOGRAPHY

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A recommended. This course is the study of diverse human populations, their cultural 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. (A, CSU, CSU-GE, UC, IGETC)

### 5 PHYSICAL GEOGRAPHY: ENVIRONMENTAL CONDITIONS

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. Description and interpretation of the physical features of the earth. A systematic approach to the study of earth-sun relations, weather, climate, natural vegetation, and global warming. (A, CSU-GE, UC, I)

### 6 WORLD REGIONAL GEOGRAPHY

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORY: Eligibility for English 1A. This course covers all of the regions of the world: a study of the physical settings, population patterns, natural resources, and economic and political status of the world's regions. Not open to students with credit in Geography 40A and 40B. (A, CSU-GE, UC, I) (C-ID GEOG 125)

### 9 PHYSICAL GEOGRAPHY: LAND FORMATION

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. Description and interpretation of the physical features of the earth. Emphasis on the study of map reading and land formation processes such as volcanoes, earthquakes, and glaciers. (A, CSU-GE, UC, I)



10 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS AND TECHNIQUES, WITH LAB

**3 units, 2.5 lecture hours, 2 lab hours  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 1A recommended. This is an introduction to the fundamental concepts, principles and methods of geographic information systems, focusing on the basic analysis, interpretation, display and communication of spatial information. Topics include the identification and acquisition of GIS data, the assessment of different data types, understanding map projections and coordinate systems, and spatial analysis using GIS. (A, CSU, UC)

20 CALIFORNIA GEOGRAPHY

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A recommended. 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. (A, CSU, CSU-GE, UC, IGETC)

## GEOLOGY (GEOL)

1 PHYSICAL GEOLOGY

**4 units, 3 lecture hours, 3 lab hours,  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201 or equivalent. 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 effects of tectonic activity. Optional field trips to classic geological locations. (A, CSU-GE, UC, I)(C-ID GEOL 101)

9 INTRODUCTION TO EARTH SCIENCE

**4 units, 3 lecture hours, 3 lab hours  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201 or equivalent. 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. Optional field trips. (A, CSU-GE, UC, I)(C-ID GEOL 121)

## GERMAN (GERMAN)

1 BEGINNING GERMAN

**4 units, 4 lecture hours, 1 lab hour,  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. Beginning course in conversational and written German for non-native speakers, intended for students without previous exposure to German. Introduction to pronunciation, vocabulary, idioms, grammar, basic composition, and exploration of the cultures of German-speaking countries and regions. (A, CSU-GE, UC, I)

2 HIGH-BEGINNING GERMAN

**4 units, 4 lecture hours, 1 lab hour,  
(Pass/No Pass)**

PREREQUISITES: German 1, or 2 years of high school German, or the equivalent skill level as determined by the instructor. ADVISORIES: Eligibility for English 125 and 126. Second-semester course in conversational and written German for non-native speakers. Development of grammatical structures and expansion of vocabulary. Further study of the cultures of German-speaking countries and regions. Introduction to the literary text. (A, CSU-GE, UC, I)

3 INTERMEDIATE GERMAN

**4 units, 4 lecture hours, 1 lab hour,  
(Pass/No Pass)**

PREREQUISITES: German 2, or 3 years of high school German, or the equivalent skill level as determined by the instructor. ADVISORIES: Eligibility for English 125 and 126. Third-semester course in conversational and written German for non-native speakers. Review of basic grammar. Further development of oral skills and grammatical structures and continued expansion of vocabulary. Composition and discussion of short literary texts. Increased emphasis on reading and writing as tools in exploring the cultures of German-speaking countries and regions. (A, CSU-GE, UC, I)

4 HIGH-INTERMEDIATE GERMAN

**4 units, 4 lecture hours, 1 lab hour,  
(Pass/No Pass)**

PREREQUISITES: German 3, or 4 years of high school German, or the equivalent skill level as determined by the instructor. ADVISORIES: Eligibility for English 125 and 126. Fourth-semester course in conversational and written German for non-native speakers. Development of proficiency of grammar and language usage. Continued exploration of current topics and cultures of German-speaking countries and regions as reflected in the language and literature. (A, CSU-GE, UC, I)

## HEALTH CARE ANCILLARIES (HCA)

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### 5 INTRODUCTION TO HEALTH CARE AND CAREERS

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and English 126, and Mathematics 250. This course is designed to prepare for a career in health care. It provides an overview of health care and examines various health care careers and their contribution to community vitality. This class assists the student in decision-making skills for future careers in health care. Students will learn basic life skills from the American Heart Association. (A, CSU)

### 103 MEDICAL OFFICE ADMINISTRATION

**4 units, 3 lecture hours, 3 lab hours**

ADVISORIES: English 125, English 126, Mathematics 250, Interdisciplinary Studies 251.

In this course, students learn medical front office functions of bookkeeping, operational functions, office procedures, and insurance processing. Students gain an awareness of administering an office reception area, preparing the office for the business day, and handling office emergencies. Students also have the opportunity to develop professional skills and proactive career management. (A)

### 104 MEDICAL BILLING PROCEDURES

**4 units, 3 lecture hours, 3 lab hours**

ADVISORIES: English 125, English 126, Mathematics 250, Interdisciplinary Studies 251.

In this course, students will be introduced to health insurance, billing, and reimbursement. Students become familiar with the health insurance industry, legal and regulatory issues, and differences in reimbursement methodologies. Students will learn principles of medical billing related to proper claim form preparation, submission and payment processing, and the follow up process. (A)

## HEALTH SCIENCE (HLTH)

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### 1 CONTEMPORARY HEALTH ISSUES

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course is designed to introduce the student to a comprehensive study of personal and community health. This course will also introduce the student to health issues at the local, state, and national levels. (A, CSU-GE, UC)

### 2 FIRST AID AND SAFETY

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 or 126.

This course is designed to prepare citizen responders with the knowledge and skills necessary to respond to emergency, and first-aid situations. First aid, CPR, and AED for adults, children and infants are included in this course. Students will be eligible to take American Red Cross certification exams upon successful completion of each respective content area. (A, CSU, UC) (C-ID KIN 101)

### 14 INTERPRETING IN HEALTH CARE I

**4 units, 3 lecture hours, 3 lab hours, (Pass/No Pass)**

ADVISORIES: Office Technology 10, eligibility for English 125 and 126. Provides training for bilingual individuals to develop awareness, knowledge, and skills necessary for effective language interpretation in health care settings. Foundation for students in the Healthcare Interpreter Certificate Program and the basis for the trilogy of courses required. The roles and responsibilities of a healthcare interpreter, basic knowledge of common medical conditions, treatments and procedures and a need for insight in language and cultural nuances for specific communities. (A, CSU)

### 15 INTERPRETING IN HEALTH CARE II

**4 units, 3 lecture hours, 3 lab hours, (Pass/No Pass)**

PREREQUISITES: Health 14 must be completed within 2 years prior to enrollment in Health 15 and 16. Corequisites: Health 16. ADVISORIES: Office Technology 10, Biology 20, 22, eligibility for English 125 and 126. For students in the Health Care Interpreter Program. Training continues for bilingual individuals to become integral members of the health care team in bridging the language and cultural gap between clients and providers. There is further enhancement of interpreting skills covering specialized health care areas such as gynecology, mental health, death and dying. Emphasis placed on the development of cultural competency. Taken concurrently with Health Science 16. (A, CSU)

16 FIELD WORK IN HEALTH  
CARE INTERPRETING  
**4 units, 2 lecture hours, 6 lab hours,  
(Pass/No Pass)**

PREREQUISITES: Health Science 14, must be completed within 2 years prior to enrollment in Health Science 16. Corequisite: Health Science 15. For students in the Health Care Interpreting program. Training interpreters in facilitating linguistic and cultural communication between client and health care providers. Fieldwork includes at least 20 face-to-face actual encounters in interpreting skills. Taken concurrently with Health Science 15. (A, CSU)

## HISTORY (HIST)

1 WESTERN CIVILIZATION TO 1648  
**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course provides a survey of the political, social, economic, cultural and intellectual developments of European civilization from its prehistoric antecedents in the Middle East to the rise of modern European nations in the seventeenth century. (A, CSU-GE, UC, I) (C-ID HIST 170)

2 WESTERN CIVILIZATION FROM 1648  
**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course provides a survey of the political, social, economic, cultural & intellectual development of European civilization and its impact on non-western societies from the 17th century to the present era. (A, CSU-GE, UC, I) (C-ID HIST 180)

11 HISTORY OF  
THE UNITED STATES TO 1877  
**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course traces the political, social, and economic development of the United States from the colonial period to the Reconstruction Era. (A, CSU-GE, UC, I) (C-ID HIST 130)

12 HISTORY OF  
THE UNITED STATES SINCE 1865  
**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course traces the political, social, and economic development of the United States from the Reconstruction Era to the present. (A, CSU-GE, UC, I) (C-ID HIST 140)

12H HONORS HISTORY OF THE  
UNITED STATES SINCE 1865  
**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course provides a survey of the political, social, and economic development of the United States since 1865 and the emergence of the U. S. as a world power. Students are also introduced to research methods, historiography, and divergent schools of historical interpretation. (A, CSU-GE, UC, I)(C-ID HIST 140)

20 WORLD HISTORY I, TO 1600  
**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Education 10 recommended for K-8 teachers, eligibility for English 125 and 126. This course examines economic, political, and social developments in World Civilization from the emergence of human communities to around 1600. (A, CSU-GE, UC, I) (C-ID HIST 150)

23 WORLD HISTORY II, SINCE 1500  
**3 units, 3 lecture hours**

ADVISORIES: Education 10 recommended for K-8 teachers. Eligibility for English 125 and 126. This course examines economic, political, and social development in world history from around 1500 to the present. (A, CSU-GE, UC, I) (C-ID HIST 160)

31 A SURVEY OF THE HISTORY OF AFRICA  
**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course explores the history of Africa from the origins of humankind to the present day. The focus of this class is on the social, political, economic, environmental, and cultural forces that have shaped the diverse societies of the African continent. Themes include: patterns of settlement, interaction and trade, the rise of ancient civilizations, colonialism, slavery, nationalism, independence and globalization. (A, CSU, CSU-GE, UC, IGETC)

33 A SURVEY OF LATIN AMERICAN HISTORY  
**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course explores the history and culture of Latin America from the pre-Colombian period to the present. The course will focus on political, economic, social and cultural factors, as well as the interaction between Latin America and its hemispheric neighbors. (A, CSU, CSU-GE, UC, IGETC)

35 THE HISTORY OF EAST ASIA: A SURVEY  
**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and English 126.

A historical and cultural survey of East Asia from the pre-history to the present. Emphasis will be on a critical evaluation of the main social, political, economic, cultural, intellectual and historical trends that have shaped the Asian countries. (A, CSU, UC, UC, IGETC)

## HONORS (HONORS)

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### 2 HONORS SEMINAR 1 unit, 1 lecture hour

ADVISORIES: English 1A or 1AH. An interdisciplinary seminar designed to offer honors program students and qualified general entry students an integrated academic atmosphere in the study of one topic or theme, in order to stimulate intellectual curiosity, discussion, and written analysis. May include field trips and guest speakers. Course content varies for every seminar and is taught by a wide array of discipline experts drawing from all departments at the college. (A, CSU, UC\*)

\*Note: UC to determine transfer credit after enrolled at UC based on review of course syllabus

### 2A HONORS SEMINAR: COMMUNICATION AND CRITICAL THINKING 1 unit, 1 lecture hour

ADVISORIES: Eligibility for English 1A or English 1AH.

A seminar exploring a path of inquiry under the overall topic of communications or critical thinking. This seminar is intended for honors students of the Clovis Community College Honors program to stimulate intellectual curiosity, discussion, and analysis. This seminar may include field trips and guest speakers. (A, CSU)

## INFORMATION SYSTEMS (IS)

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### 10 KEYBOARDING 1 unit, .80 lecture hours, .67 lab hours, (Pass/No Pass)

This course provides an introduction to the computer system with an emphasis on keyboarding. It is a "hands-on" approach stressing the development of keyboarding skills needed to use a computer effectively. The keyboarding software allows the student to build speed and accuracy on alphabet, number, and special computer keys. The course will include skill building exercises and an introduction to word processing software. (A, CSU)

### 11 LEARNING & WORKING IN A DIGITAL SOCIETY 2 units, 2 lecture hours, 2 lab hours (Pass/No Pass)

ADVISORIES: Eligibility for English 1A.

This course provides an overview of digital literacy topics such as computer hardware, software, LMS, creation and evaluation of digital content, security, and safety. This is a "hands-on" class learning to use the most common computer software programs and Learning Management Tools (LMT: Canvas). This course provides a look at the structure and components of digital learning, and an introduction to various applications with emphasis on word processing, spreadsheet applications, presentation software. A grade of "C" or better in this course fulfills the computer Digital Technology Literacy requirement. (A, CSU)

### 12 COMPUTER LITERACY 3 units, 3 lecture hours, 1 lab hour, (Pass/No Pass)

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. Basic introduction to computers and their usage. Basic principles of hardware and software; shopping for a personal computer; social issues associated with the role of computers in the world today; and an introduction to word processing, spreadsheets, Internet principles and usage. (Not for Business Majors - Business Majors need to take Information Systems 15) (A, CSU, UC)

### 13 DATABASE ESSENTIALS 1.5 units, 1.2 lecture hours, 1 lab hour

This course is designed for students who inspire to attain a basic understanding of databases. Topics will include creating and editing tables, creating and using forms, creating and running queries, creating and printing reports, and sorting and indexing data fields using current database software. Students are expected to complete computer assignments outside of class. (A, CSU)

### 15 COMPUTER CONCEPTS 3 units, 3 lecture hours, 1 lab hour, (Pass/No Pass)

ADVISORIES: Eligibility for English 126 and Mathematics 201. This course provides an introduction to computer and information systems concepts and terminology, an overview of hardware, and software (systems and applications including word processing, spreadsheet, database, presentation, and programming), the history of the microcomputer, privacy and legal issues, and telecommunications (email and Internet). A grade of "C" or better in this course fulfills the computer familiarity requirement. (A, CSU, UC) (C-ID ITIS 120)(C-ID BUS 140)

## 16 WORD PROCESSING

**1.5 units, 1.5 lecture hours,  
.5 lab hour, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course provides an introduction to word processing for the business manager. This course will include creating, editing, formatting, saving, and printing documents. A number of advanced topics will be introduced. This course includes a survey of current word processing applications. The student is expected to complete assignments in the computer laboratory outside of class. (A, CSU)

## 18 SPREADSHEET FUNDAMENTALS

**1.5 units, 1.5 lecture hours,  
.5 lab hour, (Pass/No Pass)**

ADVISORIES: Mathematics 201. This course provides an introduction to spreadsheet fundamentals for the business manager. This course will cover creating and formatting worksheets, using formulas and functions, and creating graphs using a spreadsheet. The student is expected to complete assignments in the computer laboratory outside of class. (A, CSU)

19V COOPERATIVE WORK  
EXPERIENCE, INFORMATION SYSTEMS

**1-8 units, 75 hours/unit paid employment or 60  
hours/unit volunteer employment,  
(Pass/No Pass)**

Supervised employment, directly related to student's major in information systems. Students may enroll for a maximum of 8 units per semester. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. (A, CSU)

## 20 TECHNOLOGY AND SOCIETY

**3 units, 3 lecture hours**

ADVISORIES: English 125 and English 126

An introduction to the nature and function of technology, and the relationship between society and technology. This class will focus on the nature and impact of technology on society, paying particular attention to computing while using previous technological advances as a basis or comparison. We will consider the social, political, historic, economic, and philosophic contexts that both shaped and have been shaped by technological change. Students will explore the emerging field of technology and society studies and will learn techniques borrowed from business, sociology, psychology, and philosophy. (A, CSU)

## 26A DATABASE CONCEPTS AND DESIGN

**3 units, 3 lecture hours, 1 lab hour**

PREREQUISITES: Information Systems 15 or equivalent. This course provides an introduction of database concepts and fundamentals for the business manager. The course covers the concepts of the relational database, creating and editing database tables, using relational and logical operators, creating queries with QBE and SQL, creating and printing reports, and sorting and indexing database files using a current database application. (A, CSU)

26B ADVANCED DATABASE CONCEPTS  
AND DESIGN

**1.5 units, 1.5 lecture hours, .5 lab hours**

PREREQUISITES: Information Systems 26A. ADVISORIES: Information Systems 31; eligibility for English 125, 126, and Mathematics 201. Intermediate topics to relational-database concepts and fundamentals for business application: database administration and security, advanced structured-query language (SQL), events programming, and complex reports. (A, CSU)

## 31 INTRODUCTION TO PROGRAMMING

**3 units, 3 lecture hours, 1 lab hour,  
(Pass/No Pass)**

PREREQUISITES: Information Systems 15. ADVISORIES: Mathematics 201. This course provides an introduction to programming using professionally recognized principles that provide a foundation for good programming techniques. This course is designed to prepare students who are interested in pursuing programming as an option for the Information Systems degree and who have no previous programming experience. (A, CSU)

## 33 BEGINNING JAVA PROGRAMMING

**3 units, 3 lecture hours, 1 lab hour,  
(Pass/No Pass)**

PREREQUISITES: Information systems 15, 31 or equivalent courses. Introduction to developing Java Applets and applications using the Beginning Java Programming language. Emphasis on object oriented programming, control structures, methods, arrays, strings, inheritance, and graphics. (A, CSU, UC)

40A WEB DEVELOPMENT WITH HTML,  
CSS AND JAVASCRIPT

**3 units, 3 lecture hours, 1 lab hours  
(Pass/No Pass)**

ADVISORIES: Eligibility for English 1A. Introductory to Web Development course using the basics of HTML, CSS and JavaScript. Emphasis is on production, design and usability. Students will apply skills and concepts to plan, develop and upload a small website. (A, CSU)

40B **ADVANCED WEB DESIGN  
CONCEPTS, DESIGN AND PROGRAMMING**  
**3 units, 3 lecture hours, 1 lab hours**  
**(Pass/No Pass)**

PREREQUISITE: Information Systems 40A.  
ADVISORY: Eligibility for English 1A. This course provides a hands-on exploration in cutting edge HTML, CSS and JavaScript, JQuery and much more to enhance web pages. Students will create forms, write interactive web pages, and process information submitted via form. (A, CSU)

42A **GRAPHICS DESIGN FOR THE WEB**  
**3 units, 3 lecture hours, 1 lab hours**  
**(Pass/No Pass)**

ADVISORY: Eligibility for English 1A.  
This course provides an introduction to graphic editing software for web design and business. The course will include the creation of graphics from scratch; edit existing images, image compression and color reduction techniques as well as HTML integration within graphic design. (A, CSU)

42B **ANIMATING FOR WEB DESIGNS**  
**3 units, 3 lecture hours, 1 lab hours**  
**(Pass/No Pass)**

ADVISORY: Eligibility for English 1A.  
Introduction to the basics of animation. The focus of this course will introduce the basic tools featured in Animate CC; animating and creating graphics, exporting information, animation, scripting, as well as learning how to create an interactive interface. (A, CSU)

47 **VISUAL BASIC**  
**3 units, 3 lecture hours, 1 lab hour**  
**(Pass/No Pass)**

PREREQUISITE: Information Systems 15. ADVISORIES: Eligibility for English 126 and Mathematics 201. This course provides an introduction to programming in Visual Basic. Students will develop computer programs using Visual Basic programming language in Windows®-based computers. The course emphasizes planning, designing, writing, testing, debugging, and documenting Visual Basic programs. (A, CSU, UC)

50A **INTRODUCTION TO GAME PROGRAMMING**  
**3 units, 3 lecture hours, 1 lab hour**

ADVISORIES: Information Systems 15 or Computer Science 40, Mathematics 4A, and eligibility for English 125 and English 126. This course introduces students to game development concepts, including the theory of game design, mathematical concepts needed to create 3D games, and how to create a new game using a game engine.

50B **INTERMEDIATE GAME PROGRAMMING**  
**3 units, 3 lecture hours, 1 lab hour**

PREQUISITES: Information Systems 50A  
This course provides students with intermediate-level game design, level creation, and programming skills. Over the course of the semester students will cooperatively build a moderately advanced game for the PC or web.

60 **OPERATING SYSTEMS**  
**2 units, 1.5 lecture hour, 1.5 lab hour**

ADVISORIES: Eligibility for English 126 and Mathematics 201. This course provides an overview to a broad range of operating system concepts, including installation and maintenance. Emphasis is on operating system concepts and hands-on activities, including management and maintenance. Students will learn and practice configuration techniques using operating system utilities. Students will also compare and contrast the differences between each operating system, files systems, file organization, file management, as well as essential computer securities and configuration. (A, CSU)

61 **COMPUTER BUILDING AND  
CONFIGURATION**  
**1.5 units, 1.2 lecture hour, 1 lab hour**

ADVISORIES: Eligibility for English 126, and Mathematics 201. This course covers the proper procedures for building a personal computer. Students will learn how to select, assemble, and install the necessary components to build a personal computer. The course will include a lecture and hands-on activities such as: installing operating systems and application software, and using appropriate diagnostic software to solve hardware or software problems. (A, CSU)

62 **COMPUTER & COMMUNICATION  
ESSENTIALS - TROUBLESHOOTING  
AND MAINTENANCE**  
**4 units, 3.5 lecture hours, 2 lab hours**

ADVISORIES: Eligibility for English 126 and Mathematics 201. This course provides an introduction to troubleshooting and maintenance techniques of personal and laptop computers. The course provides Information Systems student with applicable hands-on activities such as installing RAM, replacing motherboards, and replacing power supplies, as well as using specialized test equipment to assist in troubleshooting. (A, CSU)

### 63 COMPUTER NETWORKING FUNDAMENTALS

**3 units, 3 lecture hours, 1 lab hours**

PREREQUISITE: Information Systems 15. ADVISORIES: Eligibility for English 126 and Mathematics 201.

This course provides an introduction to computer networking by providing hands on networking learning tasks such as: making and testing network cabling, troubleshooting networking hardware, as well as working with common network protocols. In this course, students will learn network topology, network types (wired and wireless), and basic principles of network security as well as network hardware and software installation and configuration. This course will prepare students to be competitive candidates in obtaining their CompTIA Network+ certification. (A, CSU)

### 64 COMPUTER NETWORKING II

**3 units, 3 lecture hours, 1 lab hours**

PREREQUISITE: Information Systems 63.

ADVISORIES: English 126 and Mathematics 201.

This course covers advanced concepts in networking software and hardware. Installation of WAN hardware components and software will be examined. Installation of communications/internet software, proxy servers, transaction servers, domain name servers, and mail servers will be examined in a virtual environment. Design and implementation techniques for large organizations are also covered. (A, CSU)

### 66 OFFICE AND CUSTOMER SKILLS FOR TECHNICIANS

**2 units, 1 lecture hours**

ADVISORIES: Eligibility for English 125 and English 126.

This course covers a variety of topics relating to succeeding at work as a support or help desk technician. Topics include communication in the professional workplace, office procedures, customer service, dealing with peers and supervisors in the office, career planning, and business ethics. (A, CSU)

### 70 INTRODUCTION TO INFORMATION SYSTEMS SECURITY

**3 units, 3 lecture hours, 1 lab hour  
(Pass/No Pass)**

ADVISORIES: Information Systems 63, CompTIA Networking+, or experience with networking. Eligibility for English 1A. An introduction to the fundamental principles and topics of Information Technology Security and Risk Management at the organizational level. It addresses hardware, software, processes, communications, applications, and policies and procedures with respect to organizational Cybersecurity and Risk Management. Preparation for the CompTIA Security+ certification exams. (A, CSU)

### 71 INTRODUCTION TO CYBER SECURITY: ETHICAL HACKING

**3 units, 3 lecture hours, 2 lab hours  
(Pass/No Pass)**

PREREQUISITE: Information Systems 70. ADVISORIES: Eligibility for English 1A. This course introduces the network security specialist to the various methodologies for attacking a network. Students will be introduced to the concepts, principles, and techniques, supplemented by hands-on exercises, for attacking and disabling a network within the context of properly securing a network. The course will emphasize network attack methodologies with the emphasis on student use of network attack techniques and tools and appropriate defenses and countermeasures. Students will receive course content information through a variety of methods: lecture and demonstration of hacking tools will be used in addition to a virtual environment. Students will experience a hands-on practical approach to penetration testing measures and ethical hacking. (A, CSU)

### 72 COMPUTER FORENSICS FUNDAMENTALS

**3 units, 3 lecture hours, 2 lab hours  
(Pass/No Pass)**

PREREQUISITE: Information Systems 71. ADVISORIES: Eligibility for English 1A. This course is an introduction to the methods used to properly conduct a computer forensics investigation beginning with a discussion of ethics, while mapping to the objectives of the International Association of Computer Investigative Specialists (IACIS) certification. Topics covered include an overview of computer forensics as a profession; the computer investigation process; understanding operating systems boot processes and disk structures; data acquisition and analysis; technical writing; and a review of familiar computer forensics tools. (A, CSU)

## INTERDISCIPLINARY STUDIES (INTDS)

### 50 COLLEGE SUCCESS

**3 units, 3 lecture hours (pass/No pass option)**

This course is designed for first year college students and provides an exploration of cognitive, psychological, social, and physical factors influencing success in college, the world of work, and in life. Topics include personal responsibility, critical thinking, motivation, self-efficacy, self-awareness, lifelong learning, self-management, health and wellness, interpersonal communication in a diverse world, educational planning, and service learning. (A, CSU-GE)

## 251 ACADEMIC LITERACY

**6 units, 6 lecture hours**

PREREQUISITE: English 252 and English 262. This course is designed to provide intensive instruction in critical thinking, reading, and writing as will be required in English 1A and other college-level courses. Using theme based readings from a variety of academic genres, coursework will emphasize independent reading of complex academic texts, critical response to ideas and information and academic texts, and writing essays that integrate ideas and inform from academic texts.

## 300 ACADEMIC LEARNING CENTER

**0 units, -5-1 lab hour**

This course provides individualized assistance to increase the probability of a student's successful completion of his or her educational objectives. Hours will vary depending upon individual student's need.

## 301 BASIC SKILLS DEVELOPMENT

**0 units, 3 lab hours**

This is a learning assistance course in basic skills: reading, mathematics, writing, and study skills as applied to a variety of disciplines. Instruction will occur individually or in small groups by the instructor or with student lab assistants. An individual learning plan must be approved which serves as the basis for assessment and counseling.

## JOURNALISM (JOURN)

## 1 INTRODUCTION TO MASS COMMUNICATION

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 1A.

A survey of mass communication and the interplay on society, including history, art, culture, gender, race, class, and trends in a digital age. Students learn analytical skills to become critical consumers and/or thoughtful developers of media content through discussion of appropriate theories as well as relevant topics, including how media effects industries, impacted by legal and ethical considerations, economic pressures, and cultural influences. (A, CSU, CSU,-GE)

## KINESIOLOGY (KINES)

## 20 ATHLETIC TRAINING (FORMERLY PE 20)

**3.5 units, 3 lecture hours, 2 lab hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and English 126. This is a course designed to instruct students in the prevention and evaluation of athletic injuries. Emergency first aid, treatment and taping of injuries will constitute the majority of the lab component. (A, CSU, UC)

## 22 INTRODUCTION TO PHYSICAL EDUCATION (FORMERLY PE 22)

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

Students will be introduced to the historical background, philosophy, objectives, and content of the modern physical education and kinesiology programs in schools. Additionally, the scope and challenges of the profession of teaching physical education will be discussed. This course is required of all physical education majors. (A, CSU, UC)

## LIBRARY SKILLS (LIBSKL)

## 1 INFORMATION COMPETENCY/ RESEARCH SKILLS

**1.5 unit, 1.5 lecture hours**

PREREQUISITES: English 1A or 1AH. This course is an introduction to research skills and strategies for college students to successfully locate, access, evaluate, and use information in various formats. Students will learn how to use print, database, and Internet resources, cite sources, create bibliographies, and understand plagiarism. (A, CSU, UC)

## LINGUISTICS (LING)

## 10 INTRODUCTION TO LANGUAGE

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: English 1A or 1AH. This course examines human language, including its nature, structure, use, history, and acquisition. Emphasis is on the systematic linguistic description of language knowledge and usage. It is recommended for foreign language majors and students who are interested in how language works. (A, CSU-GE, UC, I)

## 11 INTRODUCTION TO LANGUAGE FOR TEACHERS

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: English 1A or 1AH. This course examines human language, including its nature, structure, use, history, and acquisition. Emphasis is on the systematic linguistic description of language knowledge and usage. It is recommended for foreign language majors, liberal studies majors, and students in the Multiple Subject Credential Blended Program. (A, CSU, UC)



## MARKETING (MKTG)

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### 10 MARKETING

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. This class is an introduction to the role of marketing in business, the various philosophies that guide marketing management and the importance of the role of the consumer in the marketing process. Using the skills learned in this course, students will research and write a marketing plan. (A, CSU)

### 11 SALESMANSHIP

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126 and Mathematics 201. This class focuses on the systems used in the selling process. Emphasis is placed on analysis of psychological aspects of consumer decision-making and consumer attitudes toward the salesman that affect success. (A, CSU)

### 12 ADVERTISING AND PROMOTION

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. This course explores the process of brand promotion and marketing. Students will gain an understanding of the market and environment for brand promotion. Emphasis is placed on the tools, evaluation, and measurement of advertising campaigns. (A, CSU)

## MATHEMATICS (MATH)

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### 3A COLLEGE ALGEBRA

**4 units, 4 lecture hours, (Pass/No Pass)**

PREREQUISITE: Mathematics 103. ADVISORIES: Eligibility for English 125 and English 126. This is a college level algebra course for majors in science, technology, engineering and mathematics. Topics include the study of polynomial, rational, radical, exponential, absolute value and logarithmic functions; systems of equations; theory of polynomial equations; and analytic geometric. (A, CSU, CSU-GE, UC, IGETC)

### 4A TRIGONOMETRY

**4 units, 4 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 103, and Mathematics 102. ADVISORIES: Eligibility for English 125 and English 126.

This course in trigonometry of the plane concentrates on trigonometric functions and their applications. Topics covered include the trigonometric functions, solution of right triangles, radian measure, fundamental identities, angular measure, graphs, logarithms, functions of composite angles, oblique triangles, trigonometric equations, inverse trigonometric functions, and complex numbers, including powers and roots. The study of polar coordinates and polar equations is also covered. (A, CSU-GE)

### 4B PRECALCULUS

**4 units, 4 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 4A. ADVISORIES: Eligibility for English 125 and 126. The course is an analytic and comprehensive study of algebra, geometry, and trigonometry designed to prepare students for calculus. Topics include conic sections, inequalities, systems of equations, polynomial, trigonometric, rational, exponential, and logarithmic functions and their graphs. (A, CSU-GE, UC, I)

### 5A MATH ANALYSIS I

**5 units, 5 lecture hours (Pass/No Pass option)**

PREREQUISITES: Mathematics 3A and Mathematics 4A; or Mathematics 4B. ADVISORIES: Eligibility for English 125 and English 126.

Introduction to calculus, analytic geometry, differentiation and integration of polynomial, exponential, logarithmic, and trigonometric functions; limits; curve sketching, and applications. (A, CSU-GE, UC, I) (C-ID MATH 210)

### 5B MATH ANALYSIS II

**4 units, 4 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 5A. ADVISORIES: Eligibility for English 125 and 126. This class investigates the applications of integration, many techniques of integration, improper integrals, parametric equations, polar coordinates and functions. Further study involves conic sections, exponential growth/decay models, infinite series including Maclaurin and Taylor Series. (A, CSU-GE, UC, I) (C-ID MATH 220)

### 6 MATH ANALYSIS III

**5 units, 5 lecture hours (Pass/No Pass)**

PREREQUISITES: Mathematics 5B. ADVISORIES: Eligibility for English 125 and 126. This is the third of three courses in the basic calculus sequence. Topics include solid analytical geometry, three dimensional vectors, vector valued functions, partial differentiation, multiple integration, line integrals, Divergence, Green's, and Stokes' Theorems. (A, CSU-GE, UC, I) (C-ID MATH 230)

### 10A STRUCTURE AND CONCEPTS IN MATHEMATICS I

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 103. ADVISORIES: Eligibility for English 125 and 126. This course is designed for prospective elementary school teachers. It will study problem solving strategies and skills, number sequences, set theory, ancient numeration systems, number theory, rational and irrational numbers, computation algorithms, and applications of mathematics. (A, CSU, UC, CSU-GE) (C-ID MATH 120)

### 10B STRUCTURE AND CONCEPTS IN MATHEMATICS II

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 10A and Mathematics 102. ADVISORIES: Eligibility for English 125 and English 126. This course is designed for prospective elementary school teachers. Topics covered will include counting methods, elementary probability and statistics. Additional topics in Geometry to include polygons, congruence and similarity, measurement, geometric transformations, coordinate geometry, and connections between numbers and geometry with selected applications. (A, CSU-GE, UC)

### 11 ELEMENTARY STATISTICS

**4 units, 4 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 103. ADVISORIES: Eligibility for English 125 and 126. This course is an introduction to statistical methods and techniques with applications in the fields of business, behavioral and social science, as well as in science, technology, engineering, and mathematics. Topics include descriptive measures of central tendency and variability, probability, binomial and normal distributions, random variables, sampling, estimating, hypothesis testing (parametric and nonparametric), correlation, and regression. (A, CSU-GE, UC, I) (C-ID MATH 110)

### 17 DIFFERENTIAL EQUATIONS AND LINEAR ALGEBRA

**5 units, 5 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 6, Math Analysis III. Solutions to first order ordinary differential equations, including separable, linear, homogeneous of degree zero, Bernoulli and exact with applications and numerical methods. Solutions to higher order differential equations using undetermined coefficients, variation of parameters, and power series, with applications. Solutions to linear and non-linear systems of differential equations, including numerical solutions. Matrix algebra, solutions of linear systems of equations, and determinants. Vector spaces, linear independence, basis and dimension, subspace and inner product space, including the Gram-Schmidt procedure. Linear Transformations, kernel and range, eigenvalues, eigenvectors, diagonalization and symmetric matrices. (A, CSU-GE, UC, I) (C-ID MATH 240) (C-ID MATH 910S) (C-ID MATH 260)

### 45 CONTEMPORARY MATHEMATICS

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 103. ADVISORIES: Eligibility for English 125 and 126. This course provides an introduction to mathematical problem solving in diverse areas of contemporary life such as statistics, social choice, measurement, and management science for students in the arts, humanities, and social sciences. (A, CSU-GE, UC)

### 102 PLANE GEOMETRY

**3 units, 3 lecture hours (Pass/No Pass)**

PREREQUISITE: Mathematics 201. ADVISORIES: Eligibility for English 126. Plane Geometry consists of the study of points, lines and planes. This course will include an introduction to geometric reasoning and the properties of angles, lines, polygons, and circles. (A)

### 102 PLANE GEOMETRY

**3 units, 3 lecture hours (Pass/No Pass)**

PREREQUISITE: Mathematics 201. ADVISORIES: Eligibility for English 126. Plane Geometry consists of the study of points, lines and planes. This course will include an introduction to geometric reasoning and the properties of angles, lines, polygons, and circles. (A)

## 103 INTERMEDIATE ALGEBRA

**5 units, 5 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 201 or equivalent. ADVISORIES: Eligibility for English 126. This course will deal with many algebraic concepts including: equations and inequalities in two variables, rational exponents and roots, quadratic functions, exponential and logarithmic functions, and conic sections. (A)

201 ELEMENTARY ALGEBRA  
(FORMERLY MATH 101)**5 units, 5 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 250 or equivalent.  
Advisories: Mathematics 256 and eligibility for English 126. This is a first course in elementary algebra, including algebraic expressions, linear equations and inequalities, linear equations and inequalities in two variables, exponents and polynomials, factoring, and rational expressions.

## 201P REVIEW OF TOPICS BEFORE ALGEBRA

**1 unit, 1 lecture hour (pass/No pass only)**

PREREQUISITES: Mathematics 250 or placement by college process that would qualify the student to place out of mathematics 250. COREQUISITE: Mathematics 201. A short term review course of the Topics Before Algebra (Math 256).

## 203P REVIEW OF ELEMENTARY ALGEBRA

**1 unit, 1 lecture hour (Pass/No Pass Only)**

PREREQUISITE: Mathematics 250. COREQUISITE: Mathematics 103. A short-term review course of topics in Elementary Algebra (Math 201): algebraic expressions, linear equations and inequalities, linear equations and inequalities in two variables, exponents and polynomials, factoring, and rational expressions. This course is in conjunction with Math 103, Intermediate Algebra.

## 203S COLLEGE ALGEBRA SUPPORT

**1 unit, 1 lecture hour (Pass/No Pass Only)**

CO-REQUISITE: Mathematics 3A.  
This co-requisite course provides skills and knowledge necessary for a college level algebra course. Topics include the study of linear, quadratic, rational and radical expressions and equations and graphing linear functions.

## 204S COLLEGE TRIGONOMETRY SUPPORT

**1 unit, 1 lecture hour (Pass/No Pass Only)**

CO-REQUISITE: Mathematics 4A.  
This co-requisite course provides skills and knowledge necessary for a college level trigonometry course. Topics include the study of linear, quadratic, rational and radical expressions and equations, and a review of geometry.

## 211S ELEMENTARY STATISTICS SUPPORT

**1 unit, 1 lecture hour (Pass/No Pass Only)**

CO-REQUISITE: Mathematics 11.

This co-requisite course provides skills and knowledge necessary for a college level elementary statistics course. Topics include arithmetic review, linear functions and slope, statistical graphs and application problems in a variety of contexts.

## 250 COLLEGE ARITHMETIC

**3 units, 3 lecture hours**

This course is designed as a quick review of college arithmetic to prepare the student for MATH 256 or MATH 201. Topics include arithmetic operations on integers, fractions, and decimals; application of order of operations to simplification of mathematical expressions; word problems and applications of arithmetic using ratios, proportions, and percents.

## 256 TOPICS BEFORE ALGEBRA

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 250 or by college assessment process that would qualify the student to place out of Mathematics 250. An introduction to some of the key concepts covered in Beginning Algebra (e.g., solving equations, graphing, word problems) which are typically difficult for MATH 201 students. This course is designed for the student who has successfully completed MATH 250 or MATH 260 but does not feel confident enough in his/her skills to be able to take on the fast pace of a traditional MATH 201 class.

272 ASSISTANCE IN  
COLLEGE MATHEMATICS**.5-1 unit, 1.5 - 3 lab hours (Pass/no Pass Only)**

This course is intended for any student requiring help with mathematics in any discipline. The course will provide intensive assistance in mathematical concepts and procedures. Students will develop, improve, and refine mathematical skills through guided practice in a lab setting.

## MECHATRONICS (MECH)

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### 2 MECHANICAL SYSTEMS

**3 units, 1 lecture hour, 6 lab hours**

ADVISORY: Eligibility English 1A and eligibility for Mathematics 4A. Introduction to machinery and machining processes, essential elements of mechanical systems, mechanical drives (gears, belts and pulleys, clutches), mechanical hardware, bushings, bearings, lubrication systems, basic properties of materials, hydraulics and pneumatics, preventive maintenance, basic hand and power tools, and basic precision dimensional measurement. (A, CSU-GE)

### 3 ELECTRICITY AND ELECTRONICS (AC & DC)

**4 units, 3 lecture hour, 3 lab hours**

ADVISORY: Eligibility English 1A and eligibility for Mathematics 4A. Introduction to electricity and electronics including basic components, electronic circuit calculations, basic electronic test equipment use, electrical measurement, relays and ladder diagrams, alternating current (AC) circuits, and electronic schematic diagrams. (A, CSU-GE)

### 4 ELECTRIC MOTORS-CONTROLS

**4 units, 3 lecture hour, 3 lab hours**

ADVISORY: Eligibility English 1A and eligibility for Mathematics 4A. Intermediate study of basic ladder and wiring diagrams used in the control of electric motors. Includes the various electrical components and their functions as applied to motor controls. Topics include the various types of motors used in applying electro-mechanical power. Motor starting components, protective devices, heat dissipation, motor slippage and frequency and multi speed motors are discussed. Lab assignments allow the student a hands-on approach to wiring various control components in the operation of three-phase motors. (A, CSU-GE)

### 5 PROGRAMMABLE LOGIC CONTROLLERS (PLCS)

**3 units, 1 lecture hour, 6 lab hours**

ADVISORY: Eligibility English 1A and eligibility for Mathematics 4A. The function and application of programmable logic controllers. Students will become familiar with the ladder programming of Programmable Logic Controllers. Topics covered include bit-level input and output instructions, timers, counters, latches, documentation, and troubleshooting. (A, CSU-GE)

### 19V COOPERATIVE WORK EXPERIENCE, MECHATRONICS/INDUSTRIAL AUTOMATION

**1-8 units, 75 hours/unit paid employment or 60 hours/unit volunteer employment.**

Supervised employment, directly related to the student's major in Mechatronics / Industrial Automation. Students earn units using the following formula: for paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may enroll for a maximum of 8 units per semester. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A)

### 23 INSTRUMENTATION AND PROCESS CONTROL

**3 units, 2 lecture hour, 3 lab hours (Pass/No Pass)**

PREREQUISITE: Mechatronics 3 and Mechatronics 5. COREQUISITE: Mechatronics 4. Basic principles of process instrumentation and control. Topics include: level, pressure, flow, and level measurement, final control elements, piping and instrument diagrams and tags, PID controller programming, data collection, and basic control algorithms. (A, CSU-GE)

### 35 INDUSTRIAL COMMUNICATIONS NETWORKS

**3 units, 2 lecture hours, 3 lab hours (Pass/No Pass)**

PREREQUISITE: Mechatronics 5. Fundamentals of industrial communication networks including: EtherNet/IP & TCP/IP operations, setting IP addresses, remote I/O network operation/configuration/tags, and troubleshooting. (A, CSU-GE)

### 45 INDUSTRIAL AUTOMATION SYSTEM

**3 units, 1 lecture hour, 6 lab hours**

PREREQUISITE: Mechatronics 5. Introduction to industrial automation technologies and the procedures utilized when troubleshooting automated control systems. Topics include programmable logic controllers (PLC), machine control, industrial robots, barcode readers, material handling systems, and Ethernet communications. (A, CSU-GE)

## MUSIC (MUS)

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### 3 MUSIC FUNDAMENTALS

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORY: Eligibility for English 1A. An introduction to the notation and primary elements of tonal music. Incorporates the following concepts: staff notation in treble and bass clefs, rhythm and meter; basic properties of sound; intervals; diatonic scales and triads; and diatonic chords. Development of skills in handwritten notation is expected. (A, CSU)

## 5 MIDI MUSIC PRODUCTION

**2 units, 2 lecture hours, 1 lab hour  
(Pass/No Pass)**

ADVISORIES: Eligibility for English, 126 and Mathematics 201. Use of synthesizers, computers, and MIDI sequencing software to compose, edit, and record music. (A, CSU)

## 8 AUDIO ENGINEERING

**3 units, 2 lecture hours, 3 lab hours  
(Pass/No Pass)**

ADVISORY: Eligibility for English 1A. This course is an introduction to audio recording. It covers fundamental concepts and techniques, including basic acoustics, signal flow, microphone principles and usage, studio equipment, signal processing, recording console functions, and multi-track recording procedures. (A, CSU)

## 12 MUSIC APPRECIATION

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

The course acquaints students with basic musical concepts and terminology. These concepts are then employed in the study of our Western musical heritage from the Middle Ages to the present. (A, CSU-GE, UC, I) (C-ID MUS 100)

## 14 MUSIC BUSINESS

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORY: Eligibility for English 125. This course presents an overview of the business and legal aspects of the music industry. Topics include: record contracts, publishing, licensing, distribution, and copyright. In addition, the duties and responsibilities of producers, agents, managers, promoters, and performing artists will be examined, with an emphasis on web-based marketing and distribution. (A, CSU)

## 16 JAZZ HISTORY AND APPRECIATION

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. This course studies the history and development of American jazz styles from the early 20th century to the present. It is an introductory course for the general student and/or non-musician. (A, CSU-GE, UC, I)

## 16A HIP-HOP MUSIC AND CULTURE

**3 units, 3 lecture hour (Pass/No Pass)**

ADVISORY: Eligibility for English 1A. A survey of Hip Hop, its origin and influence, including musical elements, social impacts, and cultural factors. Students acquire vocabulary appropriate to the analysis of Hip Hop music and trace its development as a form of human expression. The course focuses on the role and impact of African American, Latinx, and Asian American contributions. (A, CSU)

## 23 WESTERN AND WORLD PERCUSSION

**2 units, 1 lecture hour, 3 lab hours  
(Pass/No Pass option)**

PREREQUISITE: Audition. ADVISORIES: Eligibility for English 126 and Mathematics 201. Through the study and performance of rhythms from western and world cultures, students will explore diverse percussion traditions and techniques, with an emphasis on the development of skills needed to perform within an ensemble. A basic understanding of music is recommended, and participation in performances is required. Audition required. No prior experience necessary. Student must provide own percussion instrument. (A, CSU)(C-ID MUS 180)

## 31 CONCERT CHOIR

**2 units, 1 lecture hours, 3 lab hours  
(Pass/No Pass)**

PREREQUISITES: Audition. ADVISORIES: Eligibility for English 126. This course is the study and performance of a wide variety of choral literature from all musical eras, with an emphasis on the development of skills needed to perform within an ensemble. Participation in all performances required. Audition required. No prior experience necessary. (A, CSU, UC) (C-ID MUS 180)

## COMMERCIAL MUSIC (MUSCO)

## 1 INTRODUCTION TO MUSIC TECHNOLOGY

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORY: Eligibility for English 1A. This introductory course examines the terminology, equipment, techniques, and concepts related to music technology from a performance and audio engineering perspective. The course will survey the principles and practices of sound, MIDI, synthesis, notation, and audio recording utilizing hardware and software platforms. (A, CSU)

## OFFICE TECHNOLOGY (OT)

## 10 MEDICAL TERMINOLOGY

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. This course provides students an opportunity to learn medical vocabulary with concentration on prefixes, suffixes, and root words. Emphasis is given to word dissection and definitions as applied to the body systems including the terminology used in examinations, diagnoses, procedures, laboratory investigations, and medical reports. (A, CSU)

17 **JOB RETENTION AND RESPONSIBILITIES**  
**1 unit, 1 lecture hour (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. This course covers a variety of topics related to succeeding at work as an office assistant, an administrative assistant, a secretary, and/or a medical administrative assistant. Topics include job orientation, business office employer expectations, customer service, dealing with difficult coworkers in the office, goal setting, and career planning, mentoring, continuing education, and business ethics. Students will also be asked to examine their personal lives to determine and correct any potential issues that may hinder their ability to maintain their jobs in an office. (A, CSU)

## PHILOSOPHY (PHIL)

1 **INTRODUCTION TO PHILOSOPHY**  
**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A. This course introduces students to traditional and contemporary views in metaphysics, epistemology, and value-theory. Topics may include the sources and limits of knowledge, the nature of reality, the relationship between mind and body, free will and determinism, the existence of God, and the nature of morally right action. Readings will include selections drawn from the primary texts of Plato, Aristotle, Aquinas, Descartes, Locke, Berkeley, Hume, or Kant, as well as various twentieth century philosophers. (A, CSU-GE, UC, I) (C-ID PHIL 100)

1C **ETHICS**  
**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A. This course examines key ethical theories, and includes application of theories to contemporary moral problems. (A, CSU-GE, UC, I) (C-ID PHIL 120)

1CH **HONORS ETHICS**  
**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for ENGL 1A or 1AH. This course is a rigorous introduction to key ethical theories and their application to classic and contemporary moral problems through study of four primary texts: Plato's Republic, Aristotle's Nicomachean Ethics, Kant's Groundwork of the Metaphysics of Morals, and Mill's Utilitarianism. As an honors section, the class will be conducted as a seminar with an emphasis on student writing. (A, CSU-GE, UC, I) (C-ID PHIL 120)

1D **WORLD RELIGIONS**  
**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 1A. This course surveys the major religions of the world: Hinduism, Buddhism, Daoism, Confucianism, Judaism, Christianity, Islam, and selected new religious movements. (A, CSU-GE, UC, I)

1EB **ETHICS BOWL**  
**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORY: English 1A.  
 Students analyze contemporary ethics cases in Business, Health Care, Education, Technology, Public Policy, Religion, and a range of other professional domains. In addition, students develop moral arguments regarding what should or should not be done in each case. Participation in Ethics Bowl class hones skills including: critical thinking, oration, and interpersonal communication skills. (A, CSU)

2 **CRITICAL REASONING AND ANALYTIC WRITING**  
**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: English 1A or equivalent. This is a course designed to develop skills in recognition, analysis, evaluation, and construction of arguments beyond the level achieved in English 1A. Topics include: the distinction between deductive and inductive reasoning; identification of formal and informal fallacies; structures of valid arguments; important arguments of well-known philosophers. The central focus of the course is instruction and practice in the argumentative essay. Students will write a minimum of 6,000 words during the course of the semester. (A, CSU-GE, UC, I)

3 **INTRODUCTION TO SOCIAL AND POLITICAL PHILOSOPHY**  
**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 1A. An introduction to and analysis of key concepts in social-political philosophy as discussed by both classical and contemporary philosophers and social-political theorists. Engagement with key arguments and concepts prepares students to develop arguments of their own on contemporary social-political issues. (A, CSU, I, CSU-GE)

3A **HISTORY OF ANCIENT PHILOSOPHY**  
**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORY: English 1A. An introduction to ancient Greek philosophy with emphasis on the development of Greek thought from the Pre-Socratics through Aristotle. May also include Hellenistic, Roman, medieval or non-western thinkers. (A, CSU)

#### 4 INTRODUCTION TO LOGIC

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: English 1A or 1AH. This course is an introduction to basic concepts, methods and principles of correct reasoning, with emphasis on deductive logic. Topics include traditional categorical logic, sentential logic including formal proof techniques, inductive arguments, and informal fallacies. (A, CSU-GE, UC) (C-ID PHIL 110)

#### 6 SYMBOLIC LOGIC

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126. This course introduces the concepts and methods of modern symbolic logic. Topics include symbolization, syntax, semantics, and natural deduction for sentential and predicate logic. (A, CSU-GE, UC, I) (C-ID PHIL 210)

### PHOTOGRAPHY (PHOTO)

#### 1 INTRODUCTION TO DIGITAL PHOTOGRAPHY

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and English 126. 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. Introductory level instruction in digital image manipulation software is a component of the course. Students will cultivate intellect, imagination, sensibility, and sensitivity in their creative work and responses to creative work. The photographic medium is understood and approached from a perspective that integrates photography's history, theory, and criticism. (A, CSU-GE, UC)

### PHYSICAL EDUCATION (PE)

#### PHYSICAL EDUCATION ACTIVITIES

The fundamentals and techniques in the physical education activity classes require three scheduled lab hours per week plus a minimum of one additional activity hour per week. Students should seek a wide experience in the various offerings of the department; however, activity courses may be repeated three times for credit.

#### 2 AEROBICS (DANCE, STEP OR WATER)

**1 unit, 3 lab hours, (Pass/No Pass)**

This course is designed to improve cardiorespiratory endurance, muscular endurance, and flexibility using a variety of aerobic activities. Exercises include dance, step, or water aerobics. (Swimming skills not required). (A, CSU, UC)

#### 6 FITNESS AND HEALTH

**1 unit, 3 lab hours, (Pass/No Pass)**

This course is designed to improve physical fitness levels through a variety of exercise activities including, but not limited to, recreational activities, strength development, cardio-respiratory development, and improved flexibility. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, cardio-respiratory endurance, flexibility, and body composition. It will be organized around these three objectives: safe performance of activity, appropriateness of activity for each individual, and the importance of the activity. (A, CSU, UC)

#### 7 GOLF

**0.5 unit, 1.5 lab hours, (Pass/No Pass)**

A course in golf fundamentals, swing technique, and strategies. Golf etiquette and rules are included in this course. (A, CSU, UC)

#### 8 MARTIAL ARTS/SELF DEFENSE

**1 unit, 3 lab hours, (Pass/No Pass)**

This course helps individuals develop the confidence and the skill necessary to defend themselves against deliberate, aggressive assault. It incorporates the mental and physical skills of basic self defense. (A, CSU, UC)

#### 12 BEGINNING SWIM FOR FITNESS

**0.5 unit, 1.5 lab hours, (Pass/No Pass)**

ADVISORIES: Students must be able to swim 50 yards freestyle without touching the bottom of the pool. This course is designed to increase knowledge of techniques of swimming and conditioning for intermediate swimmers. Swimming strokes and endurance will improve through stroke technique drills and conditioning workouts. (A, CSU, UC)

#### 12B INTERMEDIATE SWIM FOR FITNESS

**0.5 unit, 1.5 lab hours, (Pass/No Pass)**

ADVISORIES: Students must be able to swim 200 yards of freestyle and demonstrate 50 yards of backstroke and breaststroke. This course is designed to increase knowledge of techniques of swimming and conditioning for intermediate-advanced swimmers. Swimming strokes and endurance will improve through stroke technique drills and conditioning workouts. (A, CSU, UC)

#### 14 VOLLEYBALL

**1 unit, 3 lab hours, (Pass/No Pass)**

This course is designed for students to learn fundamental skills of volleyball, rules of the game, volleyball terminology, and game strategy. Drills, in-class matches, and tournaments will be conducted according to the skill level of the students. (A, CSU, UC)

## 15 WEIGHT TRAINING

**1 unit, 3 lab hours, (Pass/No Pass)**

A course designed to improve physical fitness levels through resistance training exercises using free/machine weights. The following Components of Physical Fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU, UC)

## 15B ADVANCED WEIGHT TRAINING

**1 unit, 3 lab hours, (Pass/No Pass)**

An advanced course designed for students with advanced weight lifting experience which includes the ability to design a weight training program. Students will improve physical fitness levels through resistance training exercises using free/machine weights. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU, UC)

## 16 FITNESS WALKING

**1 unit, 3 lab hours, (Pass/No Pass)**

This course is designed to expose students to the benefits of exercise through fitness walking and to the principles of exercise which will increase cardiovascular conditioning, endurance, flexibility, and methods of releasing body tension. (A, CSU, UC)

## 18 FLOOR EXERCISES

**1 unit, 3 lab hours, (Pass/No Pass)**

This course is designed to help students to understand, practice, and improve upon the five components of fitness: muscular endurance, muscular strength, cardiovascular fitness, flexibility, and body composition. Class objectives will center around the basic principles of physical training: specificity, overload, reversibility, and individual differences. Students will learn proper exercise techniques, how to use various types of fitness equipment, and overall safety. (A, CSU, UC)

## 19 WEIGHT TRAINING AND AEROBICS

**1 unit, 3 lab hours, (Pass/No Pass)**

This course is designed to help students understand, develop, and improve upon all components of physical fitness through resistance and aerobic training, use of free weights, weight machines, and cardio-respiratory equipment. Components of physical fitness which will be emphasized are: muscular endurance, muscular strength, cardio-respiratory endurance, flexibility, and body composition. (A, CSU, UC)

## 19B ADVANCED WEIGHT TRAINING AND AEROBICS

**1 unit, 3 lab hours, (Pass/No Pass)**

This course is designed to help students understand, develop, and improve upon all components of physical fitness through resistance and aerobic training, use of free weights, weight machines, and cardio-respiratory equipment. This is an intermediate fitness class with experience in weight training and aerobics required by students. Components of physical fitness which will be emphasized are: muscular endurance, muscular strength, cardio-respiratory endurance, flexibility, and body composition. (A, CSU, UC)

## 29 YOGA

**1 unit, 3 lab hours, (Pass/No Pass)**

This course is an introduction to basic yoga practices and principles. Instruction includes classifications of yoga postures as well as guided relaxations and breathing practices. The benefits of yoga include increased flexibility, strength, balance, body awareness, and stress reduction. This course is designed for students of all ages and fitness levels. (A, CSU, UC)

## 32B COMPETITIVE CROSS-COUNTRY

**3 units, 9.5 lab hours (Pass/No Pass)**

PREREQUISITE: LIMITATION ON ENROLLMENT: Performance tryouts. ADVISORY: Eligibility for English 1A recommended. Designed primarily for students possessing the desire, ability, and skills necessary to compete on the intercollegiate level. Prospective participants should confer with the coach of the sport before enrollment. A minimum of 9.5 hours participation per week during the season of the sport normally is required. (A, CSU, UC)

## 32C OFF-SEASON CONDITIONING FOR CROSS-COUNTRY

**1 unit, 3 lab hours (Pass/No Pass)**

Off-season training for cross country runners with an emphasis on developing a high mileage base. (A, CSU, UC)

## 36B COMPETITIVE SOCCER

**3 units, 9.5 lab hours (Pass/No Pass)**

PREREQUISITE: LIMITATION ON ENROLLMENT: Performance Tryouts. This is a course designed for students possessing the desire, ability and skills necessary to compete on the intercollegiate level. Prospective participants should confer with the soccer coach before enrollment. A minimum of 9.5 hours' participation per week during the season of the sport is required. (A, CSU, UC)



**36C OFF-SEASON CONDITIONING FOR SOCCER**  
**1 unit, 3 lab hours, (Pass/No Pass)**

PREREQUISITE: LIMITATION ON ENROLLMENT: Performance Tryouts. This is a course for off-season conditioning of soccer players. This class is designed for students possessing the desire, ability and soccer skills necessary to compete on the intercollegiate level. Prospective participants should confer with the soccer coach before enrollment. (A, CSU, UC)

**36D ATHLETIC RECOVERY**  
**0.5 unit, 1.5 lab hours (Pass/No Pass)**

PREREQUISITE: LIMITATION ON ENROLLMENT: Performance Tryouts. This course is an introduction to basic athletic recovery techniques including yoga practices and principles of physical rehabilitation. Instruction includes classifications of yoga postures as well as guided relaxations and breathing practices. The benefits of yoga and athletic rehabilitation include increased flexibility, strength, balance, body awareness and stress reduction. This course is designed for students possessing the desire, ability and skills necessary to compete on the intercollegiate level. (A, CSU)

**39B COMPETITIVE TRACK AND FIELD**  
**3 units, 9.5 lab hours (Pass/No Pass)**

PREREQUISITE: LIMITATION ON ENROLLMENT: Performance Tryouts. Designed primarily for students possessing the desire, ability, and skills necessary to compete on the intercollegiate level. Prospective participants should confer with the head coach of the sport before enrollment. A minimum of 9.5 hours participation per week during the season of the sport normally is required. (A, CSU)

**43B COMPETITIVE SWIMMING AND DIVING**  
**3 units, 9.5 lab hours (Pass/No Pass)**

LIMITATION ON ENROLLMENT: Performance Tryouts. This is a course designed for students possessing the desire, ability, and skills necessary to compete on the intercollegiate level. Prospective participants should confer with the head coach of the sport before enrollment. A minimum of 9.5 hours participation per week during the season of the sport is required. (A, CSU)

**43C OFF-SEASON CONDITIONING FOR SWIMMING**  
**1 unit, 3 lab hours (Pass/No Pass)**

LIMITATION ON ENROLLMENT: Performance Tryouts. This is a course for off-season conditioning for collegiate swimmers. Swimming workouts, technique drills, dry land exercises and goal setting will be done in this class. (A, CSU)

**45 PERFORMANCE TRAINING AND CONDITIONING TECHNIQUES FOR INTERCOLLEGIATE ATHLETES**  
**1-2 units, 3-6 lab hours (Pass/No Pass)**

ADVISORIES: Eligibility for English 126. Resistance training for intercollegiate athletes. LIMITATION ON ENROLLMENT: Students in this course must perform and compete at the intercollegiate level. Course is for intercollegiate athletes. (A, CSU, UC)

**49 WEIGHT TRAINING FOR COLLEGIATE ATHLETES**  
**1 unit, 3 lab hours (Pass/No Pass)**

LIMITATION ON ENROLLMENT: Must be a collegiate athlete, have permission of coach. This class will be organized to sports specific weight training. This is an advanced course designed for weight training student athletes. Students will design a weight training program specific to their collegiate sport. Students will improve physical fitness levels through resistance training exercises using free/machine weights. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU)

**49A BEGINNING CIRCUIT TRAINING**  
**1 unit, 3 lab hours, (Pass/No Pass)**

This class uses a variety of aerobic and strength training activities to improve cardio-respiratory endurance and muscular endurance. Circuit machines used include cycling and weight training equipment. Emphasis will be placed on monitoring physiological response to exercise and teaching proper stretching, warm-up, training at target rate, and warm down methods. A pre-test and post test will be administered to evaluate fitness level and monitor improvement. LIMITATION ON ENROLLMENT: Must be a collegiate athlete, have permission of coach. This class will be organized to sports specific weight training. (A, CSU, UC)

**71 SOCCER**  
**1 unit, 3 lab hours, (Pass/No Pass)**

This is a course designed for students interested in the sport of soccer. The course will include techniques and skills, offensive and defensive strategies, rules and regulations, along with class competition. (A, CSU, UC)

## PHYSICS (PHYS)

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### 2A GENERAL PHYSICS I

**4 units, 4 lecture hours, 2 lab hours**

PREREQUISITES: Mathematics 4A or equivalent. The topics covered in this course include mechanics, properties of matter, heat, sound, and waves. (A, CSU-GE, UC, I) (C-ID PHYS 105)(C-ID PHYS 100S: PHYS 2A + PHYS 2B)

### 2B GENERAL PHYSICS II

**4 units, 4 lecture hours, 2 lab hours**

PREREQUISITES: Physics 2A. ADVISORIES: Eligibility for English 1A. The topics covered in this course include electricity, magnetism, light, atomic, and nuclear physics. (A, CSU-GE, UC, I) (C-ID PHYS 110) (C-ID PHYS 100S: PHYS 2A+PHYS 2B)

### 4A PHYSICS FOR SCIENTISTS AND ENGINEERS

**4 units, 4 lecture hours, 3 lab hours, (Pass/No Pass)**

Corequisites: Mathematics 5B. ADVISORIES: Eligibility for English 1A. The topics covered in this course include: classical mechanics, properties of matter, gravitation, fluid mechanics, oscillatory motion and mechanical waves. This course is calculus-based. (A, CSU-GE, UC, I) (C-ID PHYS 205) (C-ID PHYS 200S: PHYS 4A + PHYS 4B + PHYS 4C)

### 4B PHYSICS FOR SCIENTISTS AND ENGINEERS

**4 units, 4 lecture hours, 2 lab hours, (Pass/No Pass)**

PREREQUISITES: Physics 4A. Corequisites: Mathematics 6. ADVISORIES: English 1A. The topics covered in this course include: Mechanical waves, Thermodynamics, electricity, and magnetism. (A, CSU-GE, UC, I) (C-ID PHYS 210)(C-ID PHYS 200S: PHYS 4A + PHYS 4B + PHYS 4C)

### 4C PHYSICS FOR SCIENTISTS AND ENGINEERS

**4 units, 4 lecture hours, 2 lab hours,**

PREREQUISITES: Physics 4B. ADVISORIES: Mathematics 7, eligibility for English 1A. The topics covered in this course include: Electromagnetic waves, optics, modern physics, condensed matter and nuclear physics. (A, CSU-GE, UC, I) (C-ID PHYS 215) (C-ID PHYS 200S: PHYS 4A + PHYS 4B + PHYS 4C)

### 10 CONCEPTUAL PHYSICS

**3.5 units, 3 lecture hours, 2 lab hours (Pass/No Pass)**

PREREQUISITES: Mathematics 103. ADVISORIES: Eligibility for English 125, and 126. The scientific method, kinematics, states of matter, energy, momentum, waves, sound, thermodynamics, electricity and magnetism, light, and some modern physics topics. (A, CSU-GE, UC, I)

## POLITICAL SCIENCE (POLSCI)

### 2 AMERICAN GOVERNMENT

**3 units, 3 lecture hours**

PREREQUISITES: Eligibility for English 1A or 1AH. The field of American politics deals with the organization, distribution, and orientation of political power in American society. This course surveys the processes and institutions of United States national, state, and local politics. Among the topics discussed are individual political attitudes and values, political participation, voting, parties, interest groups, Congress, the presidency, Supreme Court, the federal bureaucracy, civil liberties and civil rights, and domestic and foreign policy making. Attention is paid both to the present state of American political system and to its historical roots. (A, CSU-GE, UC, I) (C-ID POLS 110)

### 2H HONORS AMERICAN GOVERNMENT

**3 units, 3 lecture hours**

PREREQUISITES: Eligibility for English 1A or 1AH. LIMITATION ON ENROLLMENT: Enrollment in the Honors Program. This course surveys the processes and institutions of United States national, state, and local politics. Among the topics discussed are individual political attitudes and values, political participation, voting, parties, interest groups, Congress, the presidency, Supreme Court, the federal bureaucracy, civil liberties and civil rights, and domestic and foreign policy making. As an honors section, the class will be conducted as a seminar with individual projects, papers, and presentations. With History 11 or History 12, this course meets the American Institutions requirement to state universities. (A, CSU-GE, UC, I) (C-ID POLS 110)

### 3 INTRODUCTION TO POLITICAL THEORY AND THOUGHT

**3 units, 3 lecture hours,**

PREREQUISITES: Completion of Political Science 2.

This course is an introduction to the various approaches to political theory across time, issues, and authors. Students will analyze selected political theories, consider the relevance of these theories to contemporary problems, discuss new approaches to political thought, and evaluate the contribution of theories toward a comprehensive understanding of political life and political institutions. (A, CSU-GE, UC) (C-ID POLS 120)

### 5 COMPARATIVE GOVERNMENT

**3 units, 3 lecture hours**

PREREQUISITES: Completion of Political

Science 2 or 2H. This course provides an introduction to the basic workings of various political systems throughout the world, with an emphasis on both the formal (i.e., governmental institutions, political processes) and informal (i.e., cultural exchanges) dimensions of politics. Students will engage in comparisons of these political systems using some of the basic concepts of political analysis. (A, CSU-GE, UC, I) (C-ID POLS 130)

### 24 INTERNATIONAL RELATIONS

**3 units, 3 lecture hours**

PREREQUISITES: Completion of Political Science

2, (American Government). The course provides an introduction to international relations theories through a study of political, economic, historical, geographic, and sociological variables as they influence relations among states, international and transnational organizations, and other non-state actors. The relationship between these theories and significant current international events will then be examined. Emphasis will be placed on the interdependence of nations in the modern world, and the links between local and international communities in an era of contemporary economic and cultural globalization. (A, CSU-GE, UC, I) (C-ID POLS 140)

### 110 AMERICAN INSTITUTIONS

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course explores national, state, and local governments, the political processes, issues, and policies of those governments, and the rights and responsibilities of citizens living under these governments by outlining the structure, processes, function of each area of government. (Meets the Clovis Community College government and constitution requirement for the associate degree; does not satisfy the U.S. Constitution, national, state, or local government requirements for transfer students seeking a bachelors degree). (A)

## PSYCHOLOGY (PSY)

### 2 GENERAL PSYCHOLOGY

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORY: Eligibility for English 1A

This course presents an overview of psychology, a field that emphasizes the scientific study of human behavior and mental processes. The content focuses on major psychological theories and concepts, methods, research findings, and real-world applications in psychology. Topics include history, methodology, biopsychology, lifespan development, sensation and perception, consciousness and altered states, learning and memory, cognition and language, intelligence, motivation and emotion, personality, psychopathology and therapy, stress and health, social psychology, and cultural influences. (A, CSU, CSU-GE, UC, I) (C-ID PSY 110)

### 2H HONORS GENERAL PSYCHOLOGY

**3 units, 3 lecture hours**

ADVISORY: Eligibility for English 1A or English 1AH. This course presents an overview of psychology, a field that emphasizes the scientific study of human behavior and mental processes. The content focuses on major psychological theories and concepts, methods, research findings, and real-world applications in psychology. Topics include history, methodology, biopsychology, lifespan development, sensation and perception, consciousness and altered states, learning and memory, cognition and language, intelligence, motivation and emotion, personality, psychopathology and therapy, stress and health, social psychology, and cultural influences. (A, CSU, CSU-GE, UC, I) (C-ID PSY 110)

### 5 SOCIAL PSYCHOLOGY

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORY: Eligibility for English 1A. This course focuses on a systematic analysis of the social determinants of behavior and mental processes related to the social environment. Emphasis is on the perception of ourselves and others; attitudes and attitude changes; social cognition; roles; compliance, conformity and obedience; the power of the situation; attraction; aggression; altruism; prejudice and stereotypes gender roles, cultural norms; group phenomena; and applied social psychology. (A, CSU, CSU-GE, UC, I) (C-ID PSY 170)

## 16 ABNORMAL PSYCHOLOGY

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORY: Psychology 2 or 2H, and Eligibility for English 1A. 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, including intervention and prevention strategies for psychological disorders. (A, CSU-GE, UC, I) (C-ID PSY 120)

## 25 HUMAN SEXUALITY

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORY: Psychology 2, Eligibility for English 1A. This course is an introductory overview of the field of human sexuality. Human sexuality will be examined from psychological, biological, sociocultural, and historical perspectives. Students will examine their own sexual attitudes, values, and behaviors to evaluate the consistency of their behaviors within their own moral frameworks. Current sex norms and various aspects of interpersonal and individual sexual adjustment will be explored. Topics will include the anatomy and physiology of sex, sex within relationships, alternative lifestyles, fertility management, contraception, sexual dysfunction, and social roles/attitudes. Destructive sexual behavior, rape and incest, paraphilias, and other sensitive subjects will be presented in an explicit and scientific manner. (A, CSU, CSU-GE) (C-ID PSY 130)

## 38 LIFESPAN DEVELOPMENT (SEE ALSO CHILD DEVELOPMENT 38)

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 1A. Basic theories, research concepts, and principles of physical, cognitive and psychosocial development, including biological and environmental influences, will be explored with a focus on each major stage of life from conception to death. This course is designed to promote critical self-understanding. Students will apply developmental theory to major topics, including developmental problems that occur throughout one's lifespan. (A, CSU-GE, UC, I) (C-ID PSY 180)

## 45 INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY

**3 units, 3 lecture hours**

PREREQUISITES: Psychology 2 or 2H, and Mathematics 11 or 11H or Statistics 7.  
ADVISORIES: English 1A or 1AH.

This course surveys psychological research methods. An emphasis is placed on research design, descriptive techniques, experimental procedures, and the characteristics of valid assessment tools. The course also focuses on the collection, analysis, interpretation, and reporting of research data. Cultural considerations and the ethics of research with human and animal participants will be included. The course is designed for psychology majors and others who require familiarity with such research techniques. (A, CSU-GE, UC, I) (C-ID PSY 200)

## REHABILITATION TECHNICIAN (REHT)

## 111 REHABILITATION AIDE

**4 units, 3 lecture hours, 3 lab hours**

This course is designed to prepare for a career as an entry-level rehabilitation aide. Instruction will include an introduction to patient care, basic treatment techniques for the rehabilitation aide, current health care topics, and administrative skills. (A)

## 112 REHABILITATION AIDE EXTERNSHIP

**1.5 units, 5 weekly lab hours (Pass/No Pass)**

COREQUISITE: Health Care Ancillaries 5.

This opportunity for students to spend a total of 90 hours in clinical practice at an externship site, applying the innovative skills and knowledge taught in the classroom. Students work under the supervision of a physical therapist, physical therapy assistant, occupational therapist, or rehabilitation professional. (A)

## 113 SEMINAR FOR REHABILITATION AIDE EXTERNSHIP

**0.5 unit, 0.5 lecture hours (Pass/No Pass)**

COREQUISITE: Rehabilitation Aide 112.

This course provides the rehabilitation aide student with structured activities to support success in clinical activities during externship. Students will perform a self-assessment and reflections on their work. (A)

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## SCIENCE (SCI)

### 1A INTRODUCTORY CHEMICAL AND PHYSICAL SCIENCE

**4 units, 3 lecture hours, 3 lab hours, (Pass/No Pass)**

PREREQUISITES: Satisfaction of the CSU system General Education Quantitative Reasoning Requirement (CSU-GE Area B4). ADVISORIES: Eligibility for English 1A or 1AH.

This course provides an investigation of basic principles of physics and chemistry including matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions, and chemical reactions. The inter-dependence of chemistry and physics will be emphasized. This course is intended for non-science majors. (A, CSU-GE, UC, I) (C-ID PHYS 140)(C-ID CHEM 140)

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## SOCIOLOGY (SOC)

### 1A INTRODUCTION TO SOCIOLOGY

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

Sociology 1A promotes the understanding of society and how it works. It also examines how society affects individuals and how individuals affect society. Major topics include culture, socialization, social problems, and social change. (A, CSU-GE, UC, I) (C-ID SOCI 110)

### 1B CRITICAL THINKING ABOUT SOCIAL PROBLEMS

**3 units, 3 lecture hours**

ADVISORIES: Eligibility for English 1A; Sociology 1A. Critical thinking is an important component of sociology; the sociological imagination requires us to step back, to ask questions, and to evaluate evidence. This class explores some of the major social problems and social issues experienced by society today. In the study of social problems, this course utilizes both inductive and deductive forms of reasoning, including identifying formal and informal fallacies and analyzes the evidence on which conclusions are based. The application of critical thinking strengthens and heightens the social awareness of students concerning major social problems today. (A, CSU-GE, UC, I) (C-ID SOCI 115)

### 2 AMERICAN MINORITY GROUPS

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This class is a multidisciplinary study of ethnic and racial groups in the United States. Special emphasis is placed on the socio-historical, demographic, sociological, and social psychological aspects of African, Asian, Latino, Native American, White ethnic, and other minority groups. (A, CSU-GE, UC, I) (C-ID SOCI 150)

### 3 INTRODUCTION TO SOCIAL JUSTICE STUDIES

**3 units, 3 lecture hours (Pass/No Pass)**

ADVISORY: Eligibility for English 1A.

Interdisciplinary study of race and ethnicity in the United States. Students will examine social justice movements in relation to ethnic and racial groups in the United States to provide a basis for a better understanding of the socio-economic, cultural, and political conditions among key social groups. (A, CSU, CSU-GE)

### 11 SOCIOLOGY OF GENDER

**3 units, 3 lecture hours**

ADVISORY: Eligibility for English 1A.

This course explores the social construct of feminine and masculine identities both historically and in cross-cultural contexts. Issues regarding gender socialization in both macro and micro levels will be examined. The class will analyze the impact of social, economic, and political changes on gender expectations and practices. (A, CSU, CSU-GE)

### 32 COURTSHIP, MARRIAGE, AND DIVORCE: FAMILY AND INTERPERSONAL RELATIONSHIPS

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and

126. Sociology 32 is the introduction to the principles of marriage and family relationships, including love, courtship, mate selection, marriage, sexuality, family planning, pregnancy and childbirth, sexually transmitted diseases, family conflict, conflict resolution, communication skills, divorced families, step-families, aging, and widowhood. (A, CSU-GE, UC) (C-ID SOCI 130)

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## SPANISH (SPAN)

### 1 BEGINNING SPANISH

**5 units, 5 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

Beginning course in conversational and written Spanish for non-native speakers; intended for students without previous exposure to Spanish. Introduction to pronunciation, vocabulary, idioms, grammar, basic composition, and exploration of the cultures of Spain, Latin America, and Hispanic cultures of the US. (A, CSU-GE, UC, I) (C-ID SPAN 100)

## 2 HIGH-BEGINNING SPANISH

**5 units, 5 lecture hours, (Pass/No Pass)**

PREREQUISITES: Spanish 1, or 2 years of high school Spanish, or the equivalent skill level as determined by instructor.

ADVISORIES: Eligibility for English 125 and 126.

Second-semester course in conversational and written Spanish for non-native speakers. Development of grammatical structures and expansion of vocabulary. Further study of the cultures of Spain, Latin America, and Hispanic cultures of the US. Introduction to the literary text. (A, CSU-GE, UC, I) (C-ID SPAN 110)

## 3 INTERMEDIATE SPANISH

**5 units, 5 lecture hours, (Pass/No Pass)**

PREREQUISITES: Spanish 2 or three years of high school Spanish or the equivalent skill level as determined by instructor. ADVISORIES: Eligibility for English 125 and 126.

Third-semester course in conversational and written Spanish for non-native speakers. Review of basic grammar. Further development of oral skills and grammatical structures and continued expansion of vocabulary. Composition and discussion of short literary texts. Increased emphasis on reading and writing as tools in exploring the cultures of Spain and Latin America, and the Hispanic cultures of the US. (A, CSU-GE, UC, I) (C-ID SPAN 200)

## 3NS SPANISH FOR SPANISH SPEAKERS

**4 units, 4 lecture hours, (Pass/No Pass)**

PREREQUISITES: A basic speaking knowledge of Spanish as determined by an oral interview.

ADVISORIES: Eligibility for English 125 and 126 or similar skill levels in Spanish as determined by the instructor. First-semester course in Spanish for bilingual or monolingual native speakers designed to develop reading and writing skills. Focuses on expanding vocabulary, improving orthography and use of grammatical structures of standard Spanish, both oral and written. Readings and discussions of topics relating to Hispanic cultures are an essential part of the course. (A, CSU-GE, UC, I) (C-ID SPAN 220)

## 4 HIGH-INTERMEDIATE SPANISH

**5 units, 5 lecture hours, (Pass/No Pass)**

PREREQUISITES: Spanish 3 or 4 years of high school Spanish or the equivalent skill level as determined by instructor. Fourth-semester course in conversational and written Spanish for non-native speakers. Development of proficiency of grammar and language usage. Continued exploration of current topics and cultures of Spain, Latin America, and Hispanic cultures of the US as reflected in the language and literature. (A, CSU-GE, UC, I) (C-ID SPAN 210)

## 4NS SPANISH FOR SPANISH SPEAKERS

**4 units, 4 lecture hours, (Pass/No Pass)**

PREREQUISITES: Spanish 3NS or a proficient speaking knowledge of Spanish as determined by an oral interview. ADVISORIES: Eligibility for English 125 and 126 or similar skill levels in Spanish as determined by the instructor.

Second-semester course in Spanish for bilingual or monolingual native speakers designed to develop reading and writing skills. Further development and improvement of skills in standard Spanish including. Exercises in grammar and vocabulary building and research projects. Readings of historical culture and literary texts are the center of class discussions. (A, CSU-GE, UC, I) (C-ID SPAN 230)

## 15 PRACTICAL SPANISH CONVERSATION, INTERMEDIATE LEVEL

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Spanish 2 or the equivalent skill level as determined by instructor.

ADVISORIES: Eligibility for English 125 and 126.

Spanish conversational skills for students with a basic knowledge of the language are developed. Oral communication and listening comprehension are emphasized. Some reading and writing skills are developed. Practical vocabulary for everyday usage and application of basic grammatical structures are stressed. Topics include daily life situations at home and in the Hispanic world. (A, CSU-GE, UC)

## 16 PRACTICAL SPANISH CONVERSATION, HIGH-INTERMEDIATE LEVEL

**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Spanish 3 or the equivalent skill level as determined by instructor.

ADVISORIES: Eligibility for English 125 and 126.

Spanish conversational skills for students at an intermediate level of language proficiency are further developed. Oral communication and listening comprehension are emphasized. Some reading and writing skills are developed. Designed to improve oral expression and fluency in Spanish as used in travel, at home, in school, at work, and in business. Communication skills will be utilized to help bridge cultural and linguistic barriers and to increase understanding of Hispanic cultures. (A, CSU-GE, UC)

## STATISTICS (STAT)

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### 7 ELEMENTARY STATISTICS 4 units, 4 lecture hours

PREREQUISITES: Mathematics 103 or two years of high school algebra. ADVISORIES: Eligibility for English 125 and 126. This course provides an introduction to statistical methods and techniques for business and behavioral/social science majors. Topics include: Data collection and analysis; measures of central tendency and variability; probability theory; discrete and continuous distributions; sampling theory and estimation; hypothesis testing; correlation/regression analysis; time series analysis and index numbers. (A, CSU-GE-UC, I) (C-ID MATH 110)

## WATER TREATMENT AND DISTRIBUTION (WTD)

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### 101 BASIC DRINKING WATER TREATMENT 3 units, 3 lecture hours

CO-REQUISITE: Water Treatment and Distribution 115, Drinking Water Math. ADVISORIES: English 125, English 126 and Mathematics 201. This course will provide water treatment operators with the knowledge and skills required to effectively operate and maintain water treatment facilities and prepare students to take the State Water Resources Control Board (SWRCB) test for Water Treatment Operators Certification, Grade T1 or T2. (A)

### 102 ADVANCED DRINKING WATER TREATMENT 3 units, 3 lecture hours

PREREQUISITE: Water Treatment and Distribution 101. This course will cover concepts of various scientific disciplines to the science of water treatment and provide water treatment operators with advanced knowledge and skills required to effectively operate and maintain water treatment facilities; prepare students to take the State Water Resources Control Board (SWRCB) test for Water Treatment Operators Certification Grade T3 or T4. (A)

### 106 BASIC WASTEWATER TREATMENT AND DISTRIBUTION 3 units, 3 lecture hours

ADVISORIES: Eligibility for English 125, 126, and Mathematics 201. Knowledge and skills required to effectively operate and maintain wastewater treatment facilities; prepares students to take the State Water Resources Control Board (SWRCB) Grade II Certificate Exam. (A)

### 107 ADVANCED WASTEWATER TREATMENT 3 units, 3 lecture hours

PREREQUISITES: Water Treatment & Distribution 106. Knowledge and skills required to effectively operate and maintain wastewater treatment facilities; prepare students to take the State Water Resources Control Board (SWRCB) Grade III Certificate exam. (A)

### 112 WATER DISTRIBUTION 3 units, 3 lecture hours

ADVISORIES: Water Treatment and Distribution 115, Drinking Water Math, English 125, English 126, and Mathematics 201. This course will cover the field of water distribution, including the configuration, operation and maintenance of a water distribution system, and the Expected Range of Knowledge (ERK) required for State Water Resources Control Board (SWRCB) water distribution exam series D1 to D4. Successful completion fulfills the requirements for specialized training covering fundamentals of water supply principles required to apply for SWRCB D1 to D4 examination. (A)

### 114 WATER MATHEMATICS 3 units, 3 lecture hours

ADVISORIES: Mathematics 201. This course is recommended for current enrollees in wastewater technology course(s); Covers math required to solve problems commonly encountered in wastewater technology. State regulations require that wastewater plants be operated by certified operators who have passed the Wastewater Treatment Operator certification exam. There are different grade operator certifications and the exams are weighted heavily with water math (A)

### 115 DRINKING WATER MATH 3 units, 3 lecture hours

ADVISORIES: Mathematics 201. This course is recommended for current enrollees in water technology course(s); Covers math required to solve problems commonly encountered in water technology, including Water Treatment, and Water Distribution. State regulations require that water treatment plants be operated by certified operators who have passed the Water Treatment Operator certification exam. There are different levels of water treatment operator certification and the exams are weighted heavily with water math. (A)

# SPECIAL AREAS OF STUDY

## **Evening, Saturday, and Online Classes**

The purpose of evening, Saturday, and online classes is to assist students to develop vocationally, to prepare students for employment, to satisfy requirements for a college degree and/or transfer, and to provide opportunity for cultural enrichment. Course content, time necessary for preparation of assignments, textbooks, attendance, and regulations parallel day class requirements.

Students must assume the responsibilities of attending classes regularly and of spending adequate time outside the classroom for preparation.

Clovis Community College offices are open from 8:00 a.m. to 6:00 p.m., Monday through Thursday, and 8:00 a.m. to 5:00 p.m. on Friday, when classes are in session.

## **Leon S. Peters Honors Program**

High-achieving students are encouraged to apply for admission to the Clovis Community College Leon S. Peters Honors Program. The Honors Program Advisory Committee reviews applications, interviews candidates, and recommends the students who are to be accepted into the Honors Program. The following admissions requirements are considered in determining acceptance into the Honors Program:

- GPA of 3.0 or higher and
- Scores of at least 500 on each section of the SAT or a composite score of 26 on the ACT and
- Eligibility for English 1A

For details regarding the Honors Program, please refer to page 31 in this catalog or consult with the Honors Program Counselor by calling (559) 325-5230.

## **Application Process**

To apply for any of these benefits students must complete an application packet and submit all required documentation. Honors application packets are available in the Counseling Department and on the college website.



# COLLEGE PERSONNEL

## Board of Trustees

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## State Center Community College District Administration

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*Vice Chancellor, Finance & Administration*  
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 Mr. Rico Guerrero

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 Ms. Rozanne Hernandez

## Clovis Community College Administration

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 Dr. Lori Bennett

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 Ms. Lorrie Hopper

*Vice President of Instruction*  
 Ms. Monica Chahal

*Vice President of Student Services*  
 Mr. Marco J. De La Garza

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 Ms. Robbie Kunkel

*Dean of Instruction, Humanities, Social Science, and Athletics*  
 Dr. James Ortez

*Dean of Instruction, Science, Technology, Engineering, Math & Technology Services*  
 Dr. John Forbes

*Dean of Student Services, Admissions & Records, TRIO Counseling, Categorical Programs, & Student Conduct*  
 Ms. Kira J. Tippins

*Dean of Student Services, Outreach, Student Success, & Student Activities, Outreach, Welcome Center*  
 Ms. Gurdeep S. Hébert

*Director of Athletics*  
 Ms. Susan Yates

*Director of Financial Aid*  
 Mr. Mathew Levine

*Director of Institutional Research, Evaluation, and Planning*  
 Mr. Alex Adams

*Director of Marketing & Communications*  
 Ms. Stephanie Babb

*Director, Valley Community Small Business Development Center*  
 Mr. Rich Mostert

*Manager, Admissions and Records*  
 Ms. Reynani Hawkins

*Manager, Child Development Lab School*  
 Ms. Monica Marquez

*Manager, Custodial Services*  
 Mr. Sergio Salinas

## Clovis Community College Services Personnel

### Admissions and

Records/General Information ..... (559) 325-5200

### Articulation Officer

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### Athletics

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### Bookstore

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Business Office..... (559) 325-5246

### Café

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### Career & Transfer Center

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### Child Development Lab School

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### Cooperating Agencies Foster Youth Educational Support Program (CAFYES)/Promise Scholars

Laura Gonzales ..... (559) 325-5293  
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Counseling Office..... (559) 325-5230

### Custodial Services

Sergio Salinas ..... (559) 325-5231  
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Deans' Office ..... (559) 325-5285

### Disabled Students Programs & Services (DSP&S)

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### District Chief of Police

Jose Flores ..... (559) 244-5911  
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### Extended Opportunity Programs & Service (EOPS)/CalWORKs

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### Health Services Coordinator

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Outreach ..... (559) 325-????

Psychological Services..... (559) 325-5377

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### Student Success, Equity, & Outreach

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Technology/Open Computer Lab ..... (559) 325-5294

### Test Center

Teira Wilson..... (559) 325-5276  
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### Transcripts

Nanci Sumaya ..... (559) 325-5287  
Nanci.sumaya@cloviscollege.edu

### Tutorial Center

Stacy Ross ..... (559) 325-5248  
stacy.ross@cloviscollege.edu

### Veteran's Services

Ralph Munoz..... (559) 325-5232  
ralph.munoz@cloviscollege.edu

## Faculty and Administration

*Numbers in parenthesis indicate year of appointment at Clovis Community College.*

### ABBOTT, ANTHONY (1991)

#### Physics

B.S., M.S., Ph.D., University of California, Riverside

### ALANIS, MATTHEW (2011)

#### Business

B.S., M.B.A., California State University, Fresno

### ALCAZAR, ROSA (2017)

#### Biology

A.S., Pasadena Community College  
B.S., University of California, Riverside  
Ph.D., Johns Hopkins University

### ALLEN, BECKY (2000)

#### Health/Physical Education

B.A., M.A., California State University, Fresno

### ANDERSON, JORDAN M. (2017)

#### Chemistry

B.S., California State University, Fresno  
Ph.D., University of Central Florida

### BABB, STEPHANIE N. (2015)

#### College Director of Marketing and Communications

A.S., Fresno City College  
B.A., California State University, Fresno

### BENNETT, LORI A. (2016)

#### President

B.S., University of Southern California  
M.B.A., University of Chicago  
Ed.D., California State University, Northridge

### BENNETT, MEGAN (2015)

#### Reading

B.A., Multiple Subject Teaching Credential and Ed.D., California State University, Fresno  
M.A., Santa Clara University  
Administrative Services Credential, Fresno Pacific University

### BOGOSIAN, CHAD (2015)

#### Philosophy

M.A. Biblical Studies, Central Baptist Seminary  
M.A. Philosophy, Biola University  
M.A. Ethics, Religion,  
Ph.D. University of Arkansas

### BRANDON, ANN (2007)

#### English and Reading

B.A., M.A., California State University, Fresno  
Reading Specialist Credential, California State University, Fresno

### BRANNON, COLLEEN A. (2015)

#### DSP&S Counselor Coordinator

B.A., M.A., Fresno Pacific University

### BRIONES, STEPHANIE R. (2016)

#### Communication

A.A., Fresno City College  
B.A., M.A., California State University, Fresno

### BROWN, LEE (2008)

#### Political Science

B.A., University of California, Los Angeles  
M.P.A., California State University, Fresno

### BOYNTON, HEATHER (2019)

#### Child Development

B.A., California State University, Fresno  
M.A., California State University, Fresno

### BURDICK, JEFF (2005)

#### English

B.A., M.A., California State University, Long Beach

### CASTANEDA, JOSE (2001)

#### Business

B.S., M.B.A., California State University, Fresno  
Ed.D., University of California, Davis

### CHAHAL, MONICA (2019)

#### Vice President of Instruction

B.A., University of California, Davis  
M.A., California State University, Sacramento

### CHAVERO, NANCY R. (2014)

#### Counseling

B.A., M.S., California State University, Fresno

### CHOATE, COURTNI (2011)

#### Mathematics

A.A., Reedley College  
B.A., M.A., California State University, Fresno

### DAVIS, MAYA (2000)

#### Evening Coordinator

B.S., California State University, Long Beach  
Teaching Credential, California State University, Long Beach

### DE LA GARZA, MARCO J. (2018)

#### Vice President of Student Services

B.A., M.A., California State University, Northridge

### DENT, GALIN (2015)

#### English

B.A., University of California Berkeley  
Graduate Certificate and M.A., San Francisco University

### DENT, STEPHEN D. (2006)

#### Art

B.A., M.Ed., University of San Diego

### DIAZ-WREST, ALICIA (2019)

#### Librarian

B.A., The Pennsylvania State University  
M.A., The University of Arizona  
J.D., San Joaquin College of Law

**DOLIN, ERIN (2019)**

Occupational Therapy Assistant  
B.S., California State University, Fresno  
Master of Occupational Therapy,  
Samuel Merritt University  
Ed.D., California State University,  
Fresno

**DORMEDY, DEREK (2015)****Chemistry**

B.S. Cal Poly University  
Ph.D. University of Nebraska,  
Lincoln

**ELLIOTT, CYNTHIA (1999)****English**

A.B., Stanford University  
M.A., California State University,  
Fresno

**ELLIOTT, GARRY C. (2001)****Criminology**

B.S., M.S., California State  
University, Fresno

**FALLON, ANN (2014)****Biology**

B.A., Washington and Jefferson  
College  
M.P.H., M.D., Uniformed Services  
University of the  
Health Sciences

**FLEMING, SHAWN (2001)****Chemistry**

A.A., Kings River Community  
College  
B.S., M.S., California State  
University, Fresno

**FONTES, GEORGE (2019)****History**

B.A., California State University,  
Fresno  
M.A., California State University,  
Fresno  
Ph.D., Stanford University

**FORBES, JOHN (2016)****Dean of Instruction,****STEM & Technology Services**

B.S., Taylor University, Indiana  
M.A., California State  
University, Fresno  
Ed.D., University of California, Davis

**FOREY, NAOMI (2006)****Health Services Coordinator**

B.S.N., M.S.N., California State  
University, Fresno

**FRITZ, ERIK (2014)****English**

B.A., California State  
University, Fresno  
M.F.A., University of Montana

**GARDNER, JASON (2005)****Mathematics**

B.A., California State University,  
Fresno  
M.S., University of Oregon

**GLAVES, CHRISTOPHER (1989)****Engineering/Mathematics**

B.S., Stanford University  
M.S., The University of New Mexico

**GONZALES, LAURA (2016)****Counseling**

B.A., California State University,  
Fresno  
M.S., National University

**GRAFF, MATTHEW S. (2017)****Mechatronics**

B.S., California State University,  
Fresno  
M.S., California State University,  
Fresno

**GUTIERREZ, DANIEL (2016)****Spanish**

B.A., M.A., and Ed.D., California  
State  
University, Fresno

**HANNIGAN, KARIE A. (2016)****Counseling**

B.S., California State University,  
Fresno  
M.S./P.P.S. Credential, National  
University

**HANSON, JENNIFER (2014)****History**

B.A., California State University,  
Fresno  
M.A., University of California,  
Riverside  
M.A., Ph.D., University of California,  
Santa Cruz

**HAWKINS, REYNANI (2015)****Admissions & Records Manager**

B.A., Fresno Pacific University

**HÉBERT, GURDEEP (2014)****Dean of Student Services, Outreach,  
Student Success, & Student Activities**

A.A. Fresno City College  
B.A., California State University,  
Fresno  
M.O.B., California School of  
Professional Psychology, Fresno

**HEMBD, MAX (2015)****Music**

B.A., M.M., University of California,  
Los Angeles

**HICKEY, RUSSELL (2000)****Mathematics**

B.A., M.A., California State  
University, Fresno

**HILE, ARLA (2008)****Biology**

B.A., M.A., California State  
University, Northridge  
Ph.D., Northern Arizona University

**HIRATA, RYEN (2002)****Counseling**

B.S., M.S., California State  
University, Fresno

**HITCHCOCK, ROGER (1998)****Mathematics**

B.A., M.A., California State  
University, Fresno

**HOOVER, CODY (2019)****English**

B.A., California State University,  
Fresno  
M.A., California State University,  
Fresno

**HOPPER, LORRIE (2006)****Vice President of****Administrative Services**

B.S., M.S., California State  
University, Fresno

**HUEBERT, BRANDON (2013)****Counseling**

B.S., Fresno Pacific University  
M.S., California State University,  
Fresno

**HUIGEN, ROBIN (2007)****Sociology**

A.A., Los Angeles Valley College  
B.A., University of California, Santa Cruz  
M.A., California State University,  
Humboldt

**HURTADO, GIZELLE (2019)****Environmental Science**

B.S., California State University, San Jose  
M.S., Ph.D. New Mexico State University

**HUTCHINGS, TASHA M. (2006)****Counseling**

B.A., California State University,  
Fresno  
M.A., Fresno Pacific University

**INAN, NADER (2018)****Physics**

B.S., California State University,  
Long Beach  
M.S., California State University,  
Fresno  
Ph.D., University of California,  
Merced

**IRISH, SPENCER (2019)****Psychology**

B.A., Point Loma Nazarene  
University  
M.A., California State University,  
Fresno

**ISHIGAKI, TERESA A. (2015)****English**

B.A., M.A., California State  
University, Fresno

**JACKSON-YBARRA, SHAWON (2016)****Political Science**

B.A., Grove City College,  
Pennsylvania  
Master of Politics, University of  
Dallas

**JOHNSON, ERICA (1997)****Counseling**

B.A., M.A., P.P.S.  
Credential, California State  
University, Fresno  
Ed.D., California State University,  
Fresno  
and University of California, Davis

**JOHNSON, PHILLIP (2016)****Art History**

B.A., M.A., California State  
University, Fresno

**KERNEY, WILLIAM (2015)****Computer Science**

B.S., M.S., University of California,  
San Diego

**KING, KIRTLEY (2000)****Art, Photography**

B.A., California State University,  
Humboldt  
M.F.A., Cranbrook Art Academy

**KUNKEL, ROBERTA L. T. (2017)****Dean of Instruction, Career****Technical Education,****Library, & Child Development**

B.S., Oklahoma State University  
M.A., Graduate Theological Union,  
Berkeley

**LEDGERWOOD, JANICE C. (2005)****Digital Art**

B.F.A., Mount Saint Mary's  
University, Los Angeles  
M.F.A., California State University,  
Fullerton

**LEVINE, MATHEW (2017)****Director of Financial Aid**

B.A., National University

**LIBBY, JOSEPH E. (2000)****History**

A.A., Los Angeles Valley College  
B.A., M.A., California State  
University, Northridge  
Ph.D., University of California,  
Riverside

**MARQUEZ, MONICA G. (2016)****Child Development Lab****School Manager**

B.A., M.A., California State  
University, Fresno

**MARTINEZ, ANNA (1999)****Communication**

B.A., M.A., California State  
University, Fresno

**MCARRON, STACY L. (2015)****Articulation Officer/Counseling**

A.A., Reedley College  
B.A., Vanguard University  
M.A., National University

**MCPHEE, JON (2006)****Geography**

B.A., M.A., California State  
University, Fullerton

**MORING-GARCIA, RACHEL (2011)****Counseling**

B.A., M.S., California State  
University, Fresno

**MUÑOZ, RALPH (2001)****Counseling**

B.A., M.A., California State  
University, Fresno

**NABORS, BRENT (1998)****Information Systems**

B.A., M.A., California State  
University, Fresno

**NEARN, ROBYN M. (2017)****Biology**

B.S., D.V.M., University of California,  
Davis

**ORTEZ, JAMES R. (2017)**

*Dean of Instruction, Humanities,  
Social Science, and Athletics*

B.A., Columbia University  
M.P.A., Ph.D., University of  
Washington

**PETERSON, AMY (2019)**

*Mathematics*

B.A., California State University,  
Fresno  
M.A., California State University,  
Fresno

**PFEIFFER-TURPEN, SALLIE (2002)**

*Child Development*

B.S., San Diego State University  
M.A., California State University,  
Los Angeles

**PHILLIPS, SCOTT E. (2016)**

*Geography*

B.A., M.A., California State  
University, Fresno

**PIPER, VIKKI (2005)**

*Economics*

B.A., M.B.A., California State  
University, Northridge

**KIMBERLY RAM (2019)**

B.A., California State University, Fresno  
M.B.A., California State University,  
Fresno

**RAMIREZ, ORLANDO J. (2016)**

*Women's Soccer*

*Coach/Physical Education*

B.A., Fresno Pacific University  
M.A., Brandman University,  
Hanford

**RAMOS, BROOKE R. (2016)**

*Librarian*

B.A., University of California, Los  
Angeles  
M.L.I.S., Drexel University,  
Philadelphia

**RANGANATHAN, SHILPA (2019)**

*Sociology*

B.A., Stella Maris College, India  
M.A., Jawaharlal Nehru University,  
India  
M.Phil, Jawaharlal Nehru University,  
India  
Ph.D., Texas A&M University

**RENWICK, JON C. (1996)**

*Mathematics*

B.A., M.A., California State  
University, Fresno

**ROMERO, ELIZABETH (2007)**

*Child Development*

B.A., M.A., California State  
University, Fresno

**ROSS, STACY (2015)**

*Coordinator of Tutorial Services*

*Basic Skills Coordinator*

B.A., Whitworth University  
M.A., Arizona State University

**ROWLEY, JACLYN M. (2016)**

*English*

B.A., California State University,  
Fresno  
M.A., San Francisco State University

**RUIZ-TREJO, OMAR (2019)**

*American Sign Language*

B.A., California State University,  
Fresno  
M.A., California State University,  
Fresno

**RUTLEDGE, JARED (2016)**

*Biology*

B.A., Fresno Pacific University  
Ph.D., Walden University,  
Minnesota

**ELIZABETH RUTLEDGE (2019)**

*Counseling*

B.A., Fresno Pacific University  
M.A., Fresno Pacific University

**SALINAS, SERGIO (2016)**

*Custodial Manager*

**SANWO, MELANIE (2008)**

*English*

B.A., Brigham Young University  
M.A., California State University,  
Fresno

**SARKISIAN, TIFFANY (2015)**

*Communication*

A.A., Reedley College  
B.A., Fresno Pacific University  
M.A., California State University,  
Fresno

**SCHOENBURG, DIANE L. (2010)**

*Psychology*

B.A., University of California, Santa  
Barbara  
M.Ed., University of California, Los  
Angeles  
Ph.D., University of California,  
Irvine

**SELVANS, MICHELLE (2019)**

*Geology*

B.A., University of Colorado at  
Boulder  
M.S., California Institute of  
Technology, Pasadena  
Ph.D., California Institute of  
Technology, Pasadena

**SHAMP, BRIAN (2014)**

*Chemistry*

B.A., M.S., California State  
University, Fresno

**SHEPHERD, JAMIE L. (2016)**

*Mathematics*

B.S., M.A., California State  
University, Fresno

**SIMONSON, JENNIFER A. (2010)**

*English*

B.A., M.A., California State  
University, Fullerton

**SOMAYAJULU, RAVI B. (2016)**

*Mathematics*

B.Sc., St. Xavier's College, India  
M.A., Bowling Green State  
University, Kentucky  
Ph.D., Ohio State University

**STANNARD, MICHAEL (2007)****Philosophy**

B.A., University of California,  
Berkeley  
M.A., California State University,  
Los Angeles  
M.A., Tufts University  
Ph.D., University of California,  
Riverside

**STONER-BRITO, CARLA (2012)****Counseling**

A.A., Fresno City College  
B.A., San Francisco State University  
M.A., San Jose State University

**STUNTZ, TRACY E. (2016)****Title V Instructional Designer**

B.A., M.A., California State  
University, Fresno  
M.S., California State University,  
Fullerton

**SULLIVAN, CAROLE (2014)****Math**

B.A., M.A., Brigham Young  
University, Provo, Utah

**TABAY, KELLY K. (2016)****Counseling**

B.S., University of California, San  
Diego  
M.S.W., California State University,  
Fresno  
L.C.S.W., California Board of  
Behavioral Sciences

**TAGUE, JENNA (2019)****Mathematics**

B.S., Bucknell University, Pennsylvania  
M.S., Colorado State University  
M.Ed., The Ohio State University  
Ph.D., The Ohio State University

**TAYLOR, LAURIE (2018)****Anthropology**

B.A., Southern Methodist  
University  
M.A., Ph.D., University of California,  
Riverside

**TIPPINS, KIRA J. (2011)****Dean of Student Services, Admissions  
& Records, Counseling, Categorical  
Programs, & Student Conduct**

A.A., West Hills College  
B.A., California State University,  
Chico  
M.S., University of Phoenix

**TORRES, MAYNARD VON P. (2015)****English**

B.A., M.A., San Francisco State  
University

**TRANG, VI (2018)****Mathematics**

B.S., M.S., California State  
University, San Diego

**VAGIM, NANCY (2001)****Communication**

B.S., Mississippi State University  
M.A., California State University,  
Fresno

**VEA, JAMES (2017)****Occupational Therapy**

A.A., Leeward Community College,  
Hawaii  
A.S., Gordon college, Modesto  
B.A., M.H.A., Chapman University

**WALKER, CINDY L. (2016)****Psychology**

A.A., Fresno City College  
B.A., California State University,  
Fresno  
M.A., Psy.D., California School of  
Professional Psychology, Fresno

**WHALEY, DIANNA L. (2016)****Career Counseling**

B.A., M.A., Fresno Pacific University

**WOOD, BRET (2018)****Chemistry**

B.S., M.S., California State  
University, Fresno

**YATES, SUSAN E. (2014)****Director of Athletics**

B.A., California State University,  
Fresno  
M.A., University of San Francisco

**ZARAGOZA, ANGELITA (2019)****Counseling**

B.A., California State University,  
Fresno  
M.S., California State University,  
Fresno

---

**Emeritus Faculty**

---

**ALLEN, BILL**

2018 Emeritus Honoree  
1984 – 2017  
Mathematics Instructor

**MESTER, THOMAS C.**

2017 Emeritus Honoree  
2001 – 2016  
Biology Instructor 2001-2011; 2015-  
2016  
Dean of Instruction 2011-2015

**TJAHJADI, RAY**

2018 Emeritus Honoree  
2000 – 2016  
Information Systems Instructor

---

**Retired Administration,  
Faculty and Staff**

---

**CANNON, CANDACE**

1991 – 2017  
Campus Financial Aid Manager

**CURTIS, DEBRA**

1988 – 2017  
Office Assistant III

**DI PINTO, VALERIE**

2001 – 2016  
Office Assistant III

**FRANCIS, CHARLES**

1997 – 2017  
Director, Herndon Campus

**GAFFORD, ROBERT**

2001 – 2015  
Micro-Computer Resource  
Technician

**GRIFFIN, DORIS**

2010 – 2017  
Dean of Students  
Admissions and Records Manager

**HAMMER, KAREN**

1999 – 2017  
Spanish Instructor

**HANSEN, SUSAN**

1996 – 2016  
Library Services Assistant

**HRYNIEWICZ-YARBROUGH, EWA**

1996 - 2009  
English Instructor

**IKEDA, DEBORAH J.**

1981 – 2016  
Founding President,  
Clovis Community College (2015)

**JOHNSEN, JAMES C.**

2001 – 2008  
Political Science Instructor

**KELLAM, BECKY**

1984 – 2010  
Business Instructor

**KERSHAW, TERRAL W.**

1976 - 2012  
Vice Chancellor/Campus President,  
Willow International Community  
College Center & Clovis Community  
College Center

**LITTLE, LINDA**

1995 – 2016  
Secretary to the President

**MASTERTON, CRISTINA R.**

1974 – 2008  
Dean of Students, Willow  
International Community College  
Center

**MENDOZA, JANELL M.**

1988 – 2012  
Associate College Business  
Manager, Willow International  
Community College Center

**MACDONALD, CYNTHIA**

2007-2019  
Librarian

**MOUSSEAU, DEDE**

1997 - 2014  
English, French Instructor

**REDMOND, KENNETH**

2006 – 2014  
Custodian

**SAMUELIAN, LYNN M.**

1975 - 2012  
Director, Disabled Students  
Programs and Services





- AC1 Academic Center One:**  
 Open Computer Lab - 120  
 Tutorial Center - 137  
 Forum Hall - 150  
 Student Activities/Associated Student Government - 160  
 Administration - 260
- AC2 Academic Center Two:**  
 Admissions and Records - 130  
 Counseling, Transfer and Career Center - 133  
 Financial Aid Office - 141  
 Library - 142, 152  
 Assessment Center - 177  
 Nurse - 274W
- CDC Child Development Center**



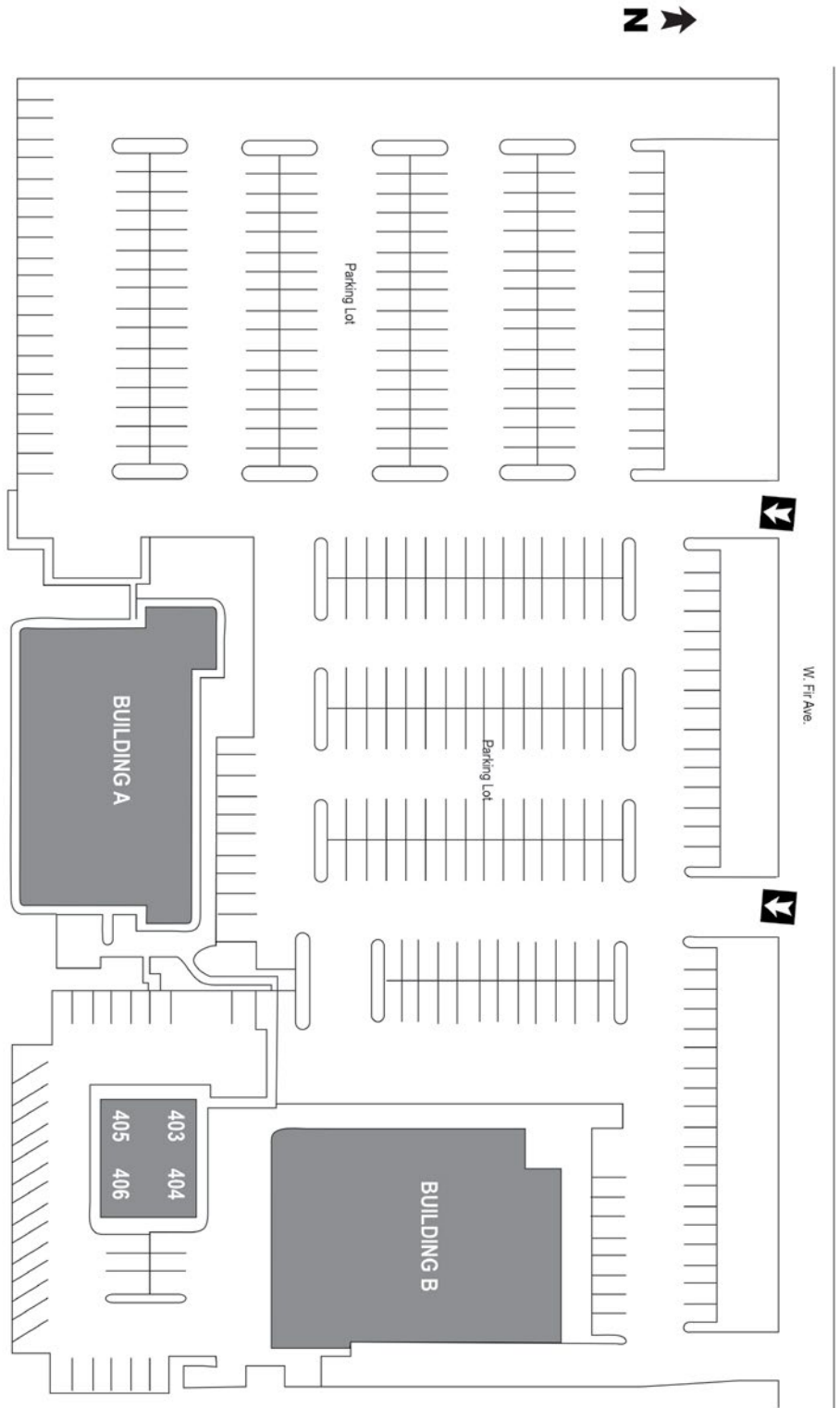
**Clovis Community College**

10309 North Willow Avenue | Fresno, CA 93730 | 559-325-5200

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

**BEHYMER ENTRANCE**

**WILLOW ENTRANCE**




**HERNDON CAMPUS**  
 390 West Fir Avenue  
 Clovis, CA 93611

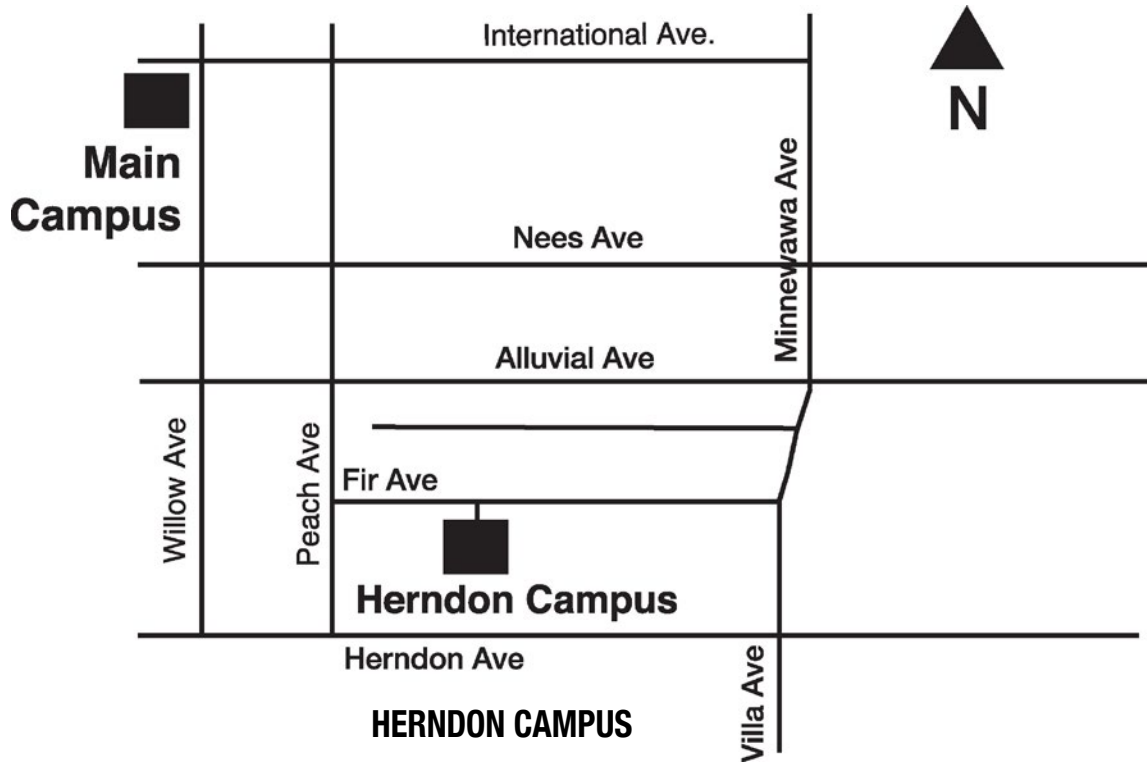
**BUILDING A:**  
 103-106 Classrooms  
 103B Testing Room  
 104B Office  
 107 Student Lounge  
 108-111 Classrooms

203-205 Offices  
 210-217 Classrooms  
 208 Student Lounge

**BUILDING B:**  
 State Center Community College Foundation

 Handicapped Parking

 Entrance



Clovis  
Community  
College

10309 N. Willow Ave.  
Fresno, CA 93730  
(559) 325-5200

Herndon Campus  
390 W. Fir Ave.  
Clovis, CA 93611  
(559) 324-6400



**Date:** \_\_\_\_\_  
**Catalog year:** \_\_\_\_\_

**Name:** \_\_\_\_\_  
**S.ID.#:** \_\_\_\_\_  
**Major:** \_\_\_\_\_  
**Counselor:** \_\_\_\_\_

Clovis Community College General Education for Associate Degree 2019-2020	Completed	In Progress	Planned
<b>GENERAL EDUCATION</b> (19 units minimum)			
<b>Area A: Natural Sciences</b> (one course, three units minimum)			
<b>ANTHRO</b> 1, <b>BIOL</b> 3, 5, 10, 11A, 11B, 20, 22, 31, <b>CHEM</b> 1A, 1B, 3A, 3B, 8,10, 28A, 28B, <b>FN40</b> , <b>GEOG</b> 5, 9, <b>GEOL</b> 1,9, <b>PHYS</b> 2A, 2B, 4A, 4B, 4C,10, <b>SCI</b> 1A			
<b>Area B: Social and Behavioral Sciences</b> (one course each from Bi and Bii, six units minimum)			
<b>Bi:</b> Government and Constitution: <b>POLSCI</b> 2, 2H, or 110			
<b>Bii:</b> Social and Behavioral Sciences: <b>ANTHRO</b> 1, 2, 3, <b>BA</b> 33, <b>CHDEV</b> 38, 39, <b>COMM</b> 10, <b>CRIM</b> 5, 13, <b>ECON</b> 1A,1B, <b>GEOG</b> 6, 40A, 40B, <b>HIST</b> 1, 2, 5, 11, 12, 12H, 20, 22, 23, 32, <b>POLSCI</b> 3, 5, 24, <b>PSY</b> 2, 2H, 5, 16, 25, 38, 45, <b>SOC</b> 1A, 1B, 2, 32			
<b>Area C: Humanities</b> (one course, three units minimum)			
<b>ASL</b> 1, 2, 3, 4, <b>ART</b> 1, 2, 3, 4, 5, 6, 6H, 7, 9, 13, 17,19,23, <b>CHIN</b> 1, 2, <b>COMM</b> 12, 15 <b>ENGL</b> 1B, 1BH, 15A, 15B, 15E, 41, 43A, 43B, 44A, 44B, 46A, 46B, 47, 49, <b>FILM</b> 1, 2A, 2B, <b>FRENCH</b> 1, 2, 3, 4, <b>GERMAN</b> 1, 2, 3, 4, <b>HIST</b> 1, 2, 5, 11, 12, 12H, 20, 22, 23, 32, <b>LING</b> 10, 11, <b>MUS</b> 12, 16, <b>PHIL</b> 1,1C, 1CH, 1D, 3, <b>PHOTO</b> 1, <b>SPAN</b> 1, 2, 3, 3NS, 4, 4NS, 15, 16.			
<b>Area D: Language and Rationality</b> (one course each from Di and Dii, six units minimum)			
<b>Di:</b> English Composition: <b>ENGL</b> 1A, 1AH			
<b>Dii:</b> Communication/Analytical Thinking: <b>COMM</b> 1, 1H, 2, 4, 8, 25, <b>PHIL</b> 6			
<b>COMPETENCY REQUIREMENTS</b> (Grade "C" or better required in each of the following areas)			
<i>Writing:</i> <b>ENGL</b> 1A, 1AH			
<i>Reading:</i> <b>ENGL</b> 1A and 1AH			
<i>Oral Communication:</i> <b>COMM</b> 1, 1H, 2, 4, 8, or 25			
<i>Math:</i> <b>CSCI</b> 26, <b>BA</b> 39, <b>MATH</b> 4A, 4B, 5A, 5B, 6,10A, 10B, 11, 17, 45, 103, or <b>STAT</b> 7			
<i>Computer Familiarity:</i> <b>ART</b> 30A, 30B, 37A, 37B, 41, 42, 44, <b>CSCI</b> 40, <b>ENGR</b> 2, 40, <b>IS</b> 11, 12, 13, 15, or <b>IS</b> – Computer Literacy Brief Courses Certificate or a college examination of computer familiarity.			
<b>GRADUATION REQUIREMENTS</b>			
<i>Physical and Mental Wellness</i> – one course from: <b>CHDEV</b> 5, 38, 39, <b>COUN</b> 53, <b>FN</b> 35, <b>HLTH</b> 1, <b>PSY</b> 2, 2H, 25, 38, <b>SOC</b> 32			
<i>Physical Education</i> – two courses selected from the following <b>PE</b> classes: <b>DANCE</b> 9, 10, 14, 15, 28, <b>PE</b> 2, 6, 7, 8, 12, 12B, 14, 15, 15B, 16, 18, 19, 19B, 29, 43B, 43C, 36B, 36C, 45, 49, 49A, 71 <b>Note:</b> Please see a counselor regarding P.E. credit based on DD-214 (Official SMART transcripts must be on file)			
Have you met the residency requirement (see college catalog)?	Yes	No	
Have you completed 60 degree applicable units (see college catalog)?	Yes	No	
Have you completed your major requirements (specified in catalog) with a minimum "C" grade or better or "P" grade in each class? <i>see note below **</i>	Yes	No	
Do you have a minimum degree applicable cumulative GPA of 2.0?	Yes	No	

**Note:** The same course may be used to satisfy a requirement in General Education and Competency Requirements or to satisfy a requirement in General Education and Graduation Requirements unless stated otherwise.

**\*\* P/NP Pass/No Pass:** is an option instead of traditional letter grade (A,B,C,D, or F). Some courses are graded on a Pass/No Pass basis or when a student elects this grading option, the grade of P, Pass, will be assigned the course with a grade equivalent of A,B,C, and credit will be awarded for the unit value of the course. CCC 2017-2018 Catalog





SAMPLE

Name: \_\_\_\_\_  
 S.ID.#: \_\_\_\_\_  
 Major: \_\_\_\_\_  
 Counselor: \_\_\_\_\_

Date: \_\_\_\_\_  
 Catalog year: \_\_\_\_\_

Clovis Community College California State University General Education 2019-2020	Completed	In Progress	Planned
<b>AREA A: English Language Communication and Critical Thinking</b> 9 semester units minimum required with at least one course each from A1, A2, and A3. ("C" or better grade required in A1, A2 and A3)			
A1: <i>Oral Communication (3 units minimum):</i> <b>COMM 1, 1H, 2, 4, 8, *25</b>			
A2: <i>Written Communication (3 units minimum):</i> <b>ENGL 1A, 1AH</b> <i>(No IB score accepted for this area) Advanced Placement: _____ Score: _____</i>			
A3: <i>Critical Thinking (3 units minimum):</i> <b>COMM *25, ENGL 3, 3H, PHIL 2, 4, 6</b>			
<b>AREA B: Scientific Inquiry and Quantitative Reasoning</b> 9 semester units minimum with at least one course each from B1 and B2 (one course from B1 or B2 to contain a laboratory component, marked by L), and at least one course from B4. ("C" or better grade required in B4)			
B1: <i>Physical Science (3 units minimum):</i> <b>CHEM 1A(L), 1B(L), 3A(L), 3B(L), 8, 10(L), 28A, 28B, GEOG 5, 9, GEOL 1(L),9(L), PHYS 2A(L), 2B(L), 4A(L), 4B(L), 4C(L), 10(L),SCI 1A(L)</b> <i>Advanced Placement/International Baccalaureate/CLEP: _____ Score: _____</i>			
B2: <i>Life Science (3 units minimum):</i> <b>*ANTHRO 1, BIOL 3(L), 5(L), 10, 11A(L), 11B(L), 20(L), 22(L), 31(L)</b> <i>Advanced Placement/International Baccalaureate/CLEP: _____ Score: _____</i>			
B3: <i>Laboratory Activity:</i> Did you complete a course from B1 or B2 with a lab (marked with L) OR one of the following: <b>BIOL 10L (L), CHEM 29A(L), 29B(L)</b> <i>Advanced Placement/International Baccalaureate/CLEP: _____ Score: _____</i>			
B4: <i>Mathematics/Quantitative Reasoning (3 units minimum):</i> <b>BA 39, CSCI 26, MATH 4A, 4B, 5A, 5B, 6,10B, 11, 17, 45, STAT 7</b> <i>Advanced Placement/International Baccalaureate/CLEP: _____ Score: _____</i>			
<b>AREA C: Arts and Humanities</b> 9 semester units minimum with at least one course each from C1 and C2, and an additional course from C1 or C2.			
C1: <i>Arts (3 units minimum):</i> <b>ART 1, 2, 5, 6, 6H, COMM 12, FILM 1, *2A, *2B, MUS 12, 16, PHOTO 1</b> <i>Advanced Placement/International Baccalaureate: _____ Score: _____</i>			
C2: <i>Humanities (3 units minimum):</i> <b>ASL 1, 2, 3, 4, CHIN 1, 2, ENGL 1B, 1BH, 43A, 43B, 44A, 44B, 46A, 46B, 47, 49, FILM *2A, *2B, FRENCH 1, 2, 3, 4, HIST *1, *2, *11, *12,*12H, *20,*22, *23, GERMAN 1, 2, 3, 4, LING 10, PHIL 1, 1C, 1CH, 1D, SPAN 1, 2, 3, 3NS, 4, 4NS, 15, 16</b> <i>Advanced Placement/International Baccalaureate/CLEP: _____ Score: _____</i>			
C1 or C2 (3 units minimum): Did you complete an additional course from C1 or C2? <i>Advanced Placement/International Baccalaureate/CLEP: _____ Score: _____</i>			
<b>AREA D: Social Sciences</b> 9 semester units minimum selected from at least two disciplines.			
D0-D9: (9 units minimum): <b>*ANTHRO 1, 2, 3, CHDEV *38, *39, COMM 10, CRIM 13, ECON 1A, 1B, GEOG 6, 40A, 40B, HIST *1, *2, 5, *11, *12, *12H, *20, *22, *23, 32, POLSCI 2, 2H, 3, 5, 24, PSY *2, *2H, 5, 16, *38, 45, SOC *1A, 1B, 2</b> <i>Advanced Placement/International Baccalaureate/CLEP: _____ Score: _____</i>			
<b>AREA E: Lifelong Learning and Self-Development</b> 3 semester units minimum.			
E: <b>CHDEV *38, *39, COUN 53, FN 35, HLTH 1, INTDS 50, PSY *2, *2H, 25, *38, SOC *1A, 32</b> <i>NOTE: This area can also be certified with a military DD-214. Official SMART transcripts must be on file.</i> <i>Advanced Placement/International Baccalaureate/CLEP: _____ Score: _____</i>			

**Notes:** -To graduate from a CSU, a U.S. Government (including California) course (POLSCI 2 or 2H) and a U.S. History course (HIST 11, 12, 12H, or 22) must be completed.

- Fresno City College (FCC) and Reedley College (RC) courses may satisfy requirements differently than Clovis Community College courses. See the FCC and RC CSU General Education worksheet or go to <http://www.assist.org> for courses completed at FCC, RC, and other California community colleges.



Date: \_\_\_\_\_  
 Catalog year: \_\_\_\_\_  
 Transferring to: \_\_\_ UC \_\_\_ CSU School: \_\_\_\_\_

SAMPLE

Clovis Community College Intersegmental General Education Transfer Curricula (IGETC) 2019-2020 <small>Note: "C" Grade or better required for all courses listed</small>	Completed	In Progress	Planned
<b>AREA 1: Communication in the English Language and Critical Thinking</b> CSU: three courses required, one each from 1A, 1B and 1C listed below. (9 semester units minimum) UC: two courses required, one each from 1A and 1B listed below. (6 semester units minimum)			
1A - English Composition: <b>ENGL 1A, 1AH</b> <small>(No IB score accepted for this area) Advanced Placement : _____ Score: _____</small>			
1B - Critical Thinking-English Composition: <b>ENGL 3, 3H, PHIL 2</b> <small>(No AP or IB scores accepted for this area)</small>			
1C - Oral Communication (CSU requirement only): <b>COMM 1, 1H, 4, 8, 25</b> <small>(No AP or IB scores accepted for this area)</small>			
<b>AREA 2: Mathematical Concepts and Quantitative Reasoning</b> One course required. (3 semester units minimum)			
<b>CSCI 26, MATH 4B, 5A, 5B, 6, 11, 17, STAT 7</b> <small>Advanced Placement/International Baccalaureate : _____ Score: _____</small>			
<b>AREA 3: Arts and Humanities</b> At least three courses, with at least one from the Arts and one from the Humanities. (9 semester units minimum)			
3A - Arts: <b>ART 1, 2, 5, 6, 6H, FILM 1, *2A, *2B, MUSIC 12, 16</b> <small>Advanced Placement/International Baccalaureate : _____ Score: _____</small>			
3B - Humanities: <b>ASL *2, *3, *4, CHIN *2, ENGL 1B, 1BH, 43A, 43B, 44A, 44B, 46A, 46B, 47, 49, FILM *2A, *2B, FRENCH *2, *3, *4, GERMAN *2, *3, *4, HIST 1, 2, *11, *12, *12H, 20, *22, *23, LING 10, PHIL 1, 1C, 1CH, 1D, SPAN *2, *3, *3NS, *4, *4NS</b> <small>Advanced Placement/International Baccalaureate : _____ Score: _____</small>			
Arts or Humanities: Did you complete an additional course from Area 3, Arts or Humanities? <small>Advanced Placement/International Baccalaureate : _____ Score: _____</small>			
<b>AREA 4: Social and Behavioral Sciences</b> At least three courses from at least two different disciplines. (9 semester units minimum)			
<b>*ANTHRO 1, 2, 3, CHDEV 38, 39, COMM 10, ECON 1A, 1B, GEOG 6, 40A, 40B, HIST 5, *11, *12, *12H, *22, *23, 32, POLSCI 2, 2H, 3, 5, 24, PSY 2, 2H, 5, 16, 38, 45, SOC 1A, 1B, 2</b> <small>Advanced Placement/International Baccalaureate : _____ Score: _____</small>			
<b>AREA 5: Physical and Biological Sciences</b> At least two courses, one Physical Science and one Biological Science; at least one must include a laboratory component (indicated by L). (7-9 semester units minimum)			
5A - Physical Sciences: <b>CHEM 1A(L), 1B(L), 3A(L), 8, 10(L), 28A, 28B, GEOG 5, 9, GEOL 1(L), 9(L), PHYS 2A(L), 2B(L), 4A(L), 4B(L), 4C(L), 10(L), SCI 1A(L)</b> <small>Advanced Placement/International Baccalaureate : _____ Score: _____</small>			
5B - Biological Sciences: <b>*ANTHRO 1, BIOL 3(L), 5(L), 10, 11A(L), 11B(L), 20(L), 22(L), 31(L)</b> <small>Advanced Placement/International Baccalaureate : _____ Score: _____</small>			
5C - Laboratory Activity: Did you complete a course from AREA 5A or 5B with a lab (marked with an L) OR one of the following: <b>BIOL 10L, CHEM 29A, CHEM 29B?</b> <small>Advanced Placement/International Baccalaureate : _____ Score: _____</small>	Yes	No	
<b>AREA 6: Language Other Than English (UC requirement only)</b> Proficiency equivalent to two years of high school study in the same language with "C" grades or better (at Clovis Community College, one course required if not met by High School foreign language).			
<b>ASL 1, *2, *3, *4, CHIN 1, *2, FRENCH 1, *2, *3, *4, GERMAN 1, *2, *3, *4, SPAN 1, *2, *3, *3NS, *4, *4NS</b> <small>Advanced Placement/International Baccalaureate : _____ Score: _____</small>			

## FALL 2019 FINAL EXAM SCHEDULE

IF CLASS MEETS	GROUP	CLASS TIME/GROUP	FINAL DAY	FINAL TIME
<ul style="list-style-type: none"> <li>• DAILY</li> <li>• MWF</li> <li>• M</li> <li>• W **</li> <li>• F **</li> <li>• MT</li> <li>• MW</li> <li>• MTh</li> <li>• MF</li> <li>• WTh**</li> <li>• WF **</li> <li>• MTW</li> <li>• MTTh</li> <li>• MTF</li> <li>• MWTh</li> <li>• MThF</li> <li>• WThF**</li> <li>• MTWTh</li> <li>• MTWF</li> <li>• MTThF</li> <li>• MWThF</li> </ul>	A	All Saturday Classes	Saturday, December 7	Normal Class Time
		7:00 am/A	Friday, December 13	7:00 am - 8:50 am
		7:00 am/B	Tuesday, December 10	7:00 am - 8:50 am
		8:00 am/A	Wednesday, December 11	8:00 am - 9:50 am
		8:00 am/B	Thursday, December 12	8:00 am - 9:50 am
		9:00 am/A	Monday, December 9	9:00 am - 10:50 am
		9:00 am/B	Tuesday, December 10	9:00 am - 10:50 am
		10:00 am/A	Wednesday, December 11	10:00 am - 11:50 am
		10:00 am/B	Thursday, December 12	10:00 am - 11:50 am
		11:00 am/A	Monday, December 9	11:00 am - 12:50 pm
		11:00 am/B	Tuesday, December 10	11:00 am - 12: 50 pm
		12:00 pm/A	Wednesday, December 11	12:00 pm - 1:50 pm
		12:00 pm/B	Thursday, December 12	12:00 pm - 1:50 pm
		1:00 pm/A	Monday, December 9	1:00 pm - 2: 50 pm
		1:00 pm/B	Tuesday, December 10	1:00 pm - 2:50 pm
		2:00 pm/A	Wednesday, December 11	2:00 pm - 3:50 pm
		2:00 pm/B	Thursday, December 12	2:00 pm - 3:50 pm
		3:00 pm/A	Monday, December 9	3:00 pm - 4:50 pm
		3:00 pm/B	Tuesday, December 10	3:00 pm - 4: 50 pm
		4:00 pm/A	Wednesday, December 11	4:00 pm - 5:50 pm
4:00 pm/B	Thursday, December 12	4:00 pm - 5:50 pm		
Night M	Night M	Monday, December 9	Normal Class Time	
Night T	Night T	Tuesday, December 10	Normal Class Time	
Night W	Night W	Wednesday, December 11	Normal Class Time	
Night Th	Night Th	Thursday, December 12	Normal Class Time	
Night F	Night F	Friday, December 13	Normal Class Time	
Exam Conflicts, Makeup Exams, or Exam by Special Arrangement*		Monday, December 9	7:00 am - 9:00 a.m.	
After 4:30 pm on:				
• M	Night M			
• MW	Night M			
After 4:30 pm on:				
• T	Night T			
• Th	Night T			
After 4:30 pm on:				
• W	Night W			
After 4:30 pm on:				
• Th	Night Th			
After 4:30 pm on:				
• F	Night F			

### DAY CLASSES

- If your class does not start on the hour, please assume that it starts at the beginning of the hour in order to determine on which day and at what time your final exam will be. (For example: If you have a 9:30 a.m. Tuesday/Thursday class, your class will then fall into group 9:00 B.)
- Classes which meet two days a week and which have different starting times for those two days will have a final exam determined by the first class meeting of the week. (For example: A class which meets at 9 a.m. on Monday and 10 a.m. on Wednesday will fall into group 9:00 A.)
- Examinations calling for special arrangements and/or approved makeup exams must be scheduled through the class instructor. Final examinations not adhering to this schedule may be made by the instructor and are subject to approval by the division dean.
- Students who have three final examinations scheduled on the same day may seek to have one final exam moved to another day by contacting the individual instructors BEFORE the start of the final exam week.

### EXTENDED DAY

(Classes beginning at or after 4:30 p.m. and Saturday classes.)

- Final exams will be given during the final exam week using the above schedule.
- Classes which meet more than once during a week will meet only once during the final exam week, with the class meeting devoted to the final examination. Unless approved by the division dean, such classes will meet on the first normally scheduled night.

NOTE: Instructors must submit their final grades in the Student Services Building, no later than noon on Monday, December 16, 2019.

\* Open periods are for final exam conflicts, makeup exams, and exam by special arrangement.  
 \*\* Classes falling into these groups are possibly in conflict with other classes. If so, the other classes have priority for the rooms. The instructor will choose an open period for the final exam.

§ For night classes, the instructor should begin the final exam at the time the class usually begins.

## SPRING 2020 FINAL EXAM SCHEDULE

IF CLASS MEETS	GROUP
<ul style="list-style-type: none"> <li>• DAILY</li> <li>• MWF</li> <li>• M</li> <li>• W**</li> <li>• F**</li> <li>• MT</li> <li>• MW</li> <li>• MTh</li> <li>• MF</li> <li>• WTh**</li> <li>• WF**</li> <li>• MTW</li> <li>• MTTh</li> <li>• MTF</li> <li>• MWTh</li> <li>• MThF</li> <li>• WThF**</li> <li>• MTWTh</li> <li>• MTWF</li> <li>• MTThF</li> <li>• MWThF</li> </ul>	A
<ul style="list-style-type: none"> <li>• TTh</li> <li>• T</li> <li>• Th**</li> <li>• TW</li> <li>• TF</li> <li>• ThF**</li> <li>• TWTh</li> <li>• TWF</li> <li>• TThF</li> <li>• TWThF</li> </ul>	B
After 4:30 pm on: <ul style="list-style-type: none"> <li>• M</li> <li>• MW</li> </ul>	Night M
After 4:30 pm on: <ul style="list-style-type: none"> <li>• T</li> <li>• TTh</li> </ul>	Night T
After 4:30 pm on: <ul style="list-style-type: none"> <li>• W</li> </ul>	Night W
After 4:30 pm on: <ul style="list-style-type: none"> <li>• Th</li> </ul>	Night Th
After 4:30 pm on: <ul style="list-style-type: none"> <li>• F</li> </ul>	Night F

CLASS TIME/GROUP	FINAL DAY	FINAL TIME
All Saturday Classes	Saturday, May 16	Normal Class Time
7:00 am/A	Friday, May 22	7:00 am - 8:50 am
7:00 am/B	Thursday, May 21	7:00 am - 8:50 am
8:00 am/A	Monday, May 18	8:00 am - 9:50 am
8:00 am/B	Tuesday, May 19	8:00 am - 9:50 am
9:00 am/A	Wednesday, May 20	9:00 am - 10:50 am
9:00 am/B	Thursday, May 21	9:00 am - 10:50 am
10:00 am/A	Monday, May 18	10:00 am - 11:50 am
10:00 am/B	Tuesday, May 19	10:00 am - 11:50 am
11:00 am/A	Wednesday, May 20	11:00 am - 12:50 pm
11:00 am/B	Thursday, May 21	11:00 am - 12:50 pm
12:00 pm/A	Monday, May 18	12:00 pm - 1:50 pm
12:00 pm/B	Tuesday, May 19	12:00 pm - 1:50 pm
1:00 pm/A	Wednesday, May 20	1:00 pm - 2:50 pm
1:00 pm/B	Thursday, May 21	1:00 pm - 2:50 pm
2:00 pm/A	Monday, May 18	2:00 pm - 3:50 pm
2:00 pm/B	Tuesday, May 19	2:00 pm - 3:50 pm
3:00 pm/A	Wednesday, May 20	3:00 pm - 4:50 pm
3:00 pm/B	Thursday, May 21	3:00 pm - 4:50 pm
4:00 pm/A	Monday, May 18	4:00 pm - 5:50 pm
4:00 pm/B	Tuesday, May 19	4:00 pm - 5:50 pm
Night M	Monday, May 18	Normal Class Time
Night T	Tuesday, May 19	Normal Class Time
Night W	Wednesday, May 20	Normal Class Time
Night Th	Thursday, May 21	Normal Class Time
Night F	Friday, May 22	Normal Class Time
Exam Conflicts, Makeup Exams, or Exam by Special Arrangement*	Wednesday, May 20	7:00 am - 9:00 a.m.

### DAY CLASSES

- If your class does not start on the hour, please assume that it starts at the beginning of the hour in order to determine on which day and at what time your final exam will be. (For example: If you have a 9:30 a.m. Tuesday/Thursday class, your class will then fall into group 9:00 B.)
- Classes which meet two days a week and which have different starting times for those two days will have a final exam determined by the first class meeting of the week. (For example: A class which meets at 9 a.m. on Monday and 10 a.m. on Wednesday will fall into group 9:00 A.)
- Examinations calling for special arrangements and/or approved makeup exams must be scheduled through the class instructor. Final examinations not adhering to this schedule may be made by the instructor and are subject to approval by the division dean.
- Students who have three final examinations scheduled on the same day may seek to have one final exam moved to another day by contacting the individual instructors BEFORE the start of the final exam week.

### EXTENDED DAY

(Classes beginning at or after 4:30 p.m. and Saturday classes.)

- Final exams will be given during the final exam week using the above schedule.
- Classes which meet more than once during a week will meet only once during the final exam week, with the class meeting devoted to the final examination. Unless approved by the division dean, such classes will meet on the first normally scheduled night.

NOTE: Instructors must submit their final grades in the Student Services Building, no later than noon on Monday, May 25, 2020.

\* Open periods are for final exam conflicts, makeup exams, and exam by special arrangement.

\*\* Classes falling into these groups are possibly in conflict with other classes. If so, the other classes have priority for the rooms. The instructor will choose an open period for the final exam.

§ For night classes, the instructor should begin the final exam at the time the class usually begins.





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## Creating Opportunities... One Student at a Time

Clovis Community College is the college of choice for academic excellence, innovation, and student achievement.



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