Accredited by the Western Association of Schools and Colleges, and recognized as a fully accredited two-year Community College by the University of California, the California State University, the California Community Colleges, the United States Office of Education, the Veterans Administration, and the American Association of Collegiate Registrars and Admissions Officers.

Yuba College
2088 North Beale Road
Marysville, California 95901
(530) 741-6700
yc.yccd.edu

Sutter County Center
3301 E. Onstott Road
Yuba City, California 95991
(530) 751-5600

Beale AFB Outreach Services
Base Education Building
17849 16th Street
Beale AFB, California 95903
(530) 788-0973

This catalog is in effect from August 2020 - July 2021.

Information about course offerings, fees, refunds, and college policies published in this Catalog, is subject to change without prior notice. Any updates to courses and programs can be found in the Catalog Addendum. Any updates to policy, enrollment, or fee information can be found in the online Semester Class Schedule prior to registration each term (Fall 2020 and Spring 2021).
2020-21 Catalog

Table of Contents

Page
District Map................................. 2
District Calendar............................. 4
President’s Welcome.......................... 7
District Organization......................... 8
District Information......................... 10
Accreditation, Goals, Mission and Philosophy.............................................. 11
Programs and Services....................... 14
Admissions.................................. 24
Registration Procedures..................... 27
Student Fees and Expenses.................. 30
Financial Aid................................. 32
College Life................................ 35
Academic Regulations and Information...... 40
General Education and Graduation Requirements............................................ 53
Transfer Requirements and Information...... 55
Programs and Options......................... 64
Course Information.......................... 70
Programs and Courses........................ 73
Classified Staff............................. 216
Academic Faculty and Administrators...... 218
Index........................................ 222
Campus Map................................ 224
Important Phone Numbers ........... Inside Front
Cover Grill Photo Contributed by: Patricia Moreno, Photography Student
**District Calendar**

### Summer 2020

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 15</td>
<td>Summer Session 2020 commences for regular six-week summer classes</td>
</tr>
<tr>
<td>June 17</td>
<td>Last day to add a class/register for classes</td>
</tr>
<tr>
<td>June 22</td>
<td>*Refund deadline for six-week classes</td>
</tr>
<tr>
<td>June 22</td>
<td>*Last day to drop class(es) to prevent “W” grade(s) on permanent record for six-week classes</td>
</tr>
<tr>
<td>June 22</td>
<td>*Census date for six-week classes</td>
</tr>
<tr>
<td>July 1</td>
<td>Deadline to apply for summer 2020 graduation</td>
</tr>
<tr>
<td>July 2</td>
<td>Academic and administrative holiday – Independence Day (Thursday)</td>
</tr>
<tr>
<td>July 9</td>
<td>*Last day to drop a class with a “W” for six-week classes</td>
</tr>
<tr>
<td>July 23</td>
<td>Regular six-week classes end</td>
</tr>
<tr>
<td>August 6</td>
<td>Eight-week classes end</td>
</tr>
</tbody>
</table>

### Fall 2020

**Fall Semester 2020 - 84 days of regular instruction**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 12</td>
<td>CONVOCATION – CAMPUS CLOSED</td>
</tr>
<tr>
<td>August 13-14</td>
<td>Professional Development Days (optional flex activities) – NO CLASSES</td>
</tr>
<tr>
<td>August 17</td>
<td>INSTRUCTION BEGINS FOR FALL SEMESTER</td>
</tr>
<tr>
<td>August 21</td>
<td>**Last day to add courses or register without special permission</td>
</tr>
<tr>
<td>August 28</td>
<td>**Last day to be eligible for refund of enrollment, parking, student health fee, and non-resident tuition</td>
</tr>
<tr>
<td>September 2</td>
<td>Cal Grant deadline</td>
</tr>
<tr>
<td>September 4</td>
<td>Instructors are to drop No Shows for Census Roster Clearance</td>
</tr>
<tr>
<td>September 4</td>
<td>**Last day to drop class(es) to prevent “W” grade(s) on permanent record</td>
</tr>
<tr>
<td>September 7</td>
<td>Academic and administrative holiday – Labor Day (Monday)</td>
</tr>
<tr>
<td>September 8</td>
<td>Census date for full-term classes (Tuesday)</td>
</tr>
<tr>
<td>September 17</td>
<td>Constitution Day (observance) – activities to be announced</td>
</tr>
<tr>
<td>September 18</td>
<td>**Last day to elect Pass/No Pass grading option</td>
</tr>
<tr>
<td>September 29</td>
<td>Professional Development Day (optional flex activities) – NO CLASSES</td>
</tr>
<tr>
<td>October 30</td>
<td>Professional Development Day (optional flex activities) – NO CLASSES</td>
</tr>
<tr>
<td>November 11</td>
<td>Academic and administrative holiday – Veterans Day observed (Wednesday)</td>
</tr>
<tr>
<td>November 13</td>
<td>**Last day to drop class(es) with a “W” grade on permanent record</td>
</tr>
<tr>
<td>November 15</td>
<td>Deadline to apply for fall 2020 graduation</td>
</tr>
<tr>
<td>November 26-27</td>
<td>Academic and administrative holiday – Thanksgiving (Thursday – Friday)</td>
</tr>
<tr>
<td>December 1</td>
<td>Closing date for International Student Applications for spring 2021</td>
</tr>
<tr>
<td>December 7-18</td>
<td>Limited extracurricular student activities</td>
</tr>
<tr>
<td>December 14-18</td>
<td>Final examination period</td>
</tr>
<tr>
<td>December 18</td>
<td>Conclusion of fall semester</td>
</tr>
<tr>
<td>December 23</td>
<td>Grades from instructors are due for fall 2020 semester</td>
</tr>
<tr>
<td>December 24 – Jan 1</td>
<td>Winter recess – all offices CLOSED</td>
</tr>
</tbody>
</table>

**Dates apply to full-semester classes; short-term class dates will vary.**

### Spring 2021

**Spring Semester 2021 – 83 days of regular instruction**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 18</td>
<td>Academic and administrative holiday – Martin Luther King Day observance (Monday)</td>
</tr>
<tr>
<td>January 19-22</td>
<td>Professional Development Days (optional flex activities) – NO CLASSES</td>
</tr>
<tr>
<td>January 25</td>
<td>INSTRUCTION BEGINS FOR SPRING SEMESTER</td>
</tr>
<tr>
<td>January 29</td>
<td>**Last day to add courses or register without special permission</td>
</tr>
<tr>
<td>February 5</td>
<td>**Last day to be eligible for refund of enrollment, parking, student health fee, and non-resident tuition</td>
</tr>
<tr>
<td>February 5</td>
<td>Instructors are to drop No Shows for Census Roster Clearance</td>
</tr>
<tr>
<td>February 5</td>
<td>**Last day to drop class(es) without a “W” grade on permanent record</td>
</tr>
<tr>
<td>February 8</td>
<td>Census date for full-term classes</td>
</tr>
<tr>
<td>February 12</td>
<td>Academic and administrative holiday – Lincoln’s Birthday observance (Friday)</td>
</tr>
<tr>
<td>February 15</td>
<td>Academic and administrative holiday – Washington’s Birthday observance (Monday)</td>
</tr>
<tr>
<td>February 26</td>
<td>**Last day to elect Pass/No Pass grading option</td>
</tr>
<tr>
<td>March 2</td>
<td>Cal Grant deadline – Free Application for Federal Student Aid (FAFSA) completed and submitted to the federal government to determine Cal Grant eligibility and federal aid priority funding</td>
</tr>
<tr>
<td>March 29-April 2</td>
<td>Spring recess; academic holidays (Monday-Friday)</td>
</tr>
<tr>
<td>March 31-April 2</td>
<td>Administrative holiday (Wednesday-Friday)</td>
</tr>
<tr>
<td>April 15</td>
<td>Deadline to apply for spring 2021 graduation</td>
</tr>
<tr>
<td>April 30</td>
<td>**Last day to drop class(es) with a “W” grade on permanent record</td>
</tr>
<tr>
<td>May 14</td>
<td>Closing date for International Student Applications for fall 2021</td>
</tr>
<tr>
<td>May 17-28</td>
<td>Limited student activities</td>
</tr>
<tr>
<td>May 24-28</td>
<td>Final examination period</td>
</tr>
<tr>
<td>May 28</td>
<td>Commencement ceremonies</td>
</tr>
<tr>
<td>May 28</td>
<td>Conclusion of spring semester</td>
</tr>
<tr>
<td>May 31</td>
<td>Academic and administrative holiday – Memorial Day observance (Monday)</td>
</tr>
<tr>
<td>June 3</td>
<td>Grades from instructors are due for spring 2021 semester</td>
</tr>
</tbody>
</table>

**Dates apply to full-semester classes; short-term class dates will vary.**

### Summer 2021

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 14</td>
<td>Summer Session 2021 commences (regular 6-week summer classes will end on July 22; other classes have different dates)</td>
</tr>
<tr>
<td>July 1</td>
<td>Deadline to apply for summer 2021 graduation</td>
</tr>
<tr>
<td>July 5</td>
<td>Academic and administrative holiday – Independence Day observed (Monday)</td>
</tr>
</tbody>
</table>

**Dates apply to full-semester classes; short-term class dates will vary.**

---

2020-2021 Catalog
Welcome to Yuba College!

We’re glad you’ve chosen to make YC a part of your pathway to success. Becoming a 49er means you are a part of a community that will support you from the beginning to achieve your success. Our mission is to prepare a diverse student population to excel in a rapidly changing, interdependent world. At YC, you’ll find tutoring services, academic counselors, and other resources to support your educational path. You’ll also find athletics, clubs, organizations, and service opportunities to create a holistic environment to pursue your goals.

Whether you are here to explore a new career, take your first college classes, seek personal enrichment, or start on a transfer degree pathway for your bachelor’s degree, you will find mentors in our faculty, staff, coaches, and the administration that will last throughout your journey. The beginning of any academic year brings both excitement and nervousness. This journey will require endurance, persistence, and grit. We are here to encourage you as you navigate one of our 115 degree and certification options, along with the other 9,000 students we serve each year.

As an open-access institution, we aim to meet students where they are and connect them to the resources they need to succeed. Our affordable and high-quality programs meet the needs of our community. We work closely with industry partners to ensure that our students leave our professional-technical programs ready to work. We also partner with four-year institutions to align our courses for transfer opportunities.

Since 1927, we’ve been a part of the Yuba/Sutter County areas. We’ve awarded more than 12,000 degrees and certificates in just the last 20 years. Our goal is to continue to be a school of choice that leads you to the career, degree, or pathway you’ve designed.

This is your college. Our goal is to help you reach your highest potential.

Welcome!

Dr. Tawny M. Dotson
President, Yuba College

Queridos Estudiantes,

¡Bienvenidos a Yuba College!

Nos complace que hayas elegido a Yuba College como una parte de tu camino hacia el éxito. Conviértete en un 49er significa que eres parte de una comunidad que te apoya desde el principio para lograr tu éxito. Nuestra misión es preparar a una población estudiantil diversa para sobresalir en un mundo interdependiente que cambia rápidamente. En Yuba College, encontramos servicios de tutoría, consejeros académicos y otros recursos para apoyar tu camino educativo. También encontrarnos oportunidades de atletismo, clubes, organizaciones y servicios para crear un entorno holístico para alcanzar tus objetivos.

Ya sea que estés aquí para explorar una nueva carrera, tomes tus primeras clases universitarias, busques enriquecimiento personal o comiences un camino de transferencia de grado para tu licenciatura, encontrarnos mentores en nuestra facultad, personal, entrenadores y la administración que durarán a lo largo de tu viaje. El comienzo de cualquier año académico trae tanto emoción como nerviosismo. Este viaje requerirá resistencia, persistencia y valor. Estamos aquí para alentarte mientras navegues por una de nuestras 115 opciones de grado y certificación, junto con los otros 9,000 estudiantes que atendemos cada año.

Como institución de acceso abierto, nuestro objetivo es conocer a los estudiantes donde están y conectarlos con los recursos que necesitan para tener éxito. Nuestros programas económicos y de alta calidad satisfacen las necesidades de nuestra comunidad. Trabajamos en estrecha colaboración con socios de la industria para garantizar que nuestros estudiantes dejen nuestros programas técnicos profesionales listos para trabajar. También nos asociamos con instituciones de cuatro años para alinear nuestros cursos para oportunidades de transferencia.

Desde 1927, hemos sido parte de las áreas del condado de Yuba – Sutter. Hemos otorgado más de 12,000 grados y certificados en solo los últimos 20 años. Nuestro objetivo es continuar siendo una escuela de elección que te lleve a la carrera, título o trayectoria que has diseñado. Esta es tu universidad. Nuestro objetivo es ayudarte a alcanzar tu máximo potencial.

¡Bienvenidos! Dr. Tawny M. Dotson
President, Yuba College
2020-2021
District Organization

Governing Board

Richard Teagan, Board President ......................................................... Trustee Area 1
David Wheeler, Vice President .......................................................... Trustee Area 3
Susan Alves, Clerk of the Board .......................................................... Trustee Area 6
Brent Hasty ......................................................................................... Trustee Area 2
Michael Pasquale ................................................................................ Trustee Area 4
Dr. Jesse Ortiz ...................................................................................... Trustee Area 5
Dr. V. Richard Savarese ....................................................................... Trustee Area 7
Brianna Yanez ...................................................................................... Yuba College Student Trustee
Lizette Valdivinos ................................................................................ Woodland Community College Student Trustee

District Offices

Chancellor ............................................................................................. Dr. Douglas B. Houston
Vice Chancellor, Educational Planning and Services ........................................ Dr. Sonja Lolland
Vice Chancellor, Administrative Services ..................................................... Kuldeep Kaur
Chief, Human Resources Officer ................................................................ Donald Grady
Chief, Information Technology Officer ...................................................... Devlin Crosby

Yuba College

President ............................................................................................... Dr. Tawny Dots
Executive Vice President ........................................................................ Dr. Carla Tweed

Divisions:

Applied Academics ............................................................................... Dr. Pete Villarreal, Dean

Programs/Departments

Administration of Justice ................................................................. Drafting
Agriculture ......................................................................................... Emergency Medical Technician
Athletics ............................................................................................... Fire Technology
Automotive Technology ..................................................................... Human Services
Business ............................................................................................. Human Services
Cooperative Work Experience ......................................................... Kinesiology
Cosmetology ....................................................................................... Manufacturing Technology
Culinary Arts ....................................................................................... Nursing

Director, Public Safety ........................................................................ Dr. Brian Vizzusi
Director of Justice, EMT, Fire Technology .............................................. Clark Smith
Director, Nursing and Allied Health ..................................................... Vacant
Director, Career Technical Education .................................................. Vacant
Director, Kinesiology, Health, Athletics ................................................. Erik Burns
Arts and Education ............................................................................. Donald Smith, Dean

Programs/Departments

Art .......................................................................................................... French
College Success Center ........................................................................ Library and Learning Resources
Early Childhood Education .................................................................. Mass Communications
Education .......................................................................................... Music
English .................................................................................................. Punjabi

Program/Departments

Biology ................................................................................................. Chemistry
Computer Science .............................................................................. Humanities
Engineering .......................................................................................... Mathematics
Geography ........................................................................................... Philosophy
Geology ............................................................................................... Physics
Physical Science .................................................................................. Physical Science

Director, Campus Operations ................................................................ Roy Martin
Sutter County Center and Beale AFB Outreach Services

Student Services ................................................................................... Dr. Dwayne Hunt, Vice President

Programs/Departments

All-Women and Men Counseling ....................................................... Counseling
Placement and Testing ....................................................................... DSPS
CARE ...................................................................................................... EOPS
CALWORKS ....................................................................................... Student Health Center
Career Center ....................................................................................... Transfer Center
Veterans Services

Director, Counseling ........................................................................... Amandeep Kandola
Counseling, ESL Services, Peer Center, Petitions and Grievances
Director, Financial Aid ......................................................................... Martin Gutierrez
Financial Aid, Awards and Scholarships
Director, EOPS/CARE/CaLWORKS ..................................................... Kristy Sanchez
Director, Upward Bound ...................................................................... Kao Lee Vang

Student Success and Institutional Effectiveness .................................. Jeremy Brown, Dean
Student Equity and Achievement, Puente, Umoja, Campus Life, Student Government, Accreditation, Research, Planning, and Grants
Director, Academic Excellence ............................................................. Kristina Vannucci
Tutoring, MECC, and Professional Development

2020-2021 Catalog
District Information

Yuba Community College District

The Yuba Community College District was founded in 1927, on a 160-acre site outside of Marysville. In December, 1930, the College District was reorganized to include Colusa, Sutter, and Yuba counties and in 1974-75 to include large portions of Glenn, Lake, and Yolo counties. The District now stretches across the broad central valley of California from high in the foothills of the Sierra Nevada to the Coast Range and covers 4,152 square miles. The district has two colleges, Yuba College and Woodland Community College.

Yuba College

Yuba College, in its 93rd year of community service, founded in 1927, is located on a campus outside of Marysville on a 160-acre site. Yuba College opened on this site in September, 1962. For 93 years, Yuba College has been providing quality education and has earned a reputation as an educational leader in Northern California. Yuba College offers technical and occupational classes to help gain or improve job skills. The California State University (CSU) system reports that students who transfer from California Community Colleges, such as Yuba, consistently earn higher grades than students who go directly to a CSU from high school. Yuba College offers classes that transfer to CSU, the University of California (UC) and many private universities. An experienced and well-trained faculty offer instruction in over 90 departments totaling more than 1,000 courses.

Woodland Community College

Woodland Community College has provided educational opportunities for Woodland, Esparto, Knights Landing, and Colusa County since 1975. Accredited in 2008, WCC is located at 2300 East Gibson Road in Woodland.

With growth all around the college, in both Yolo and Colusa counties, WCC opened its new Learning Resource Center in May of 2007. The 72,000 sq. ft. building doubled the blueprint of WCC, adding 25 new lecture classrooms, an expanded library, TRIO, math and writing labs, and an expanded community room. Other facilities include a campus bookstore, science building, child care center, tutoring facilities and other laboratories on campus. As part of the Measure J facilities project, the college renovated the old library building into a one-stop student services building; the administration building was also renovated to include offices for the President and Vice President, Academic Senate, a Multi-Cultural Enrichment Center and a Student Center.

Lake County Campus

Courses have been offered in this region since the fall semester of 1972. The Campus is located off Highway 53 in the City of Clearlake. In 2012 the campus added 26,656 sq. ft to the existing facilities. The expansion added a new student services center that includes a new library, three computer labs, and a vast array of important student services. The new facilities also include a "state-of-the-art kitchen" and dining room for the Culinary Arts Program and new classrooms and a 53 bedroom dormitory.

Sutter County Center

The Sutter County Center, located in north Yuba City at 3301 E. Onslow Road, prepares students for transfer to baccalaureate-granting institutions, for entry into the job market, or for further career development. The Sutter County Center’s primary course offerings are transfer and general education courses; however, specialized technical education courses are also offered. The state-of-the-art two-story facility holds 18 classrooms, a library, full registration service, counseling and financial aid services, dining services, and open computer lab.

Beale AFB Outreach Services

Classes have been offered on this site since the fall semester of 1960. Classes are located in the Base Education/Library Building at 17849 16th Street, Beale Air Force Base. A variety of general education and transfer courses are offered in late afternoon and evening, as well as some noon-hour classes. Two program formats are provided: semester-length schedules and two nine-week terms each semester.

Accreditation, College Goals, Mission and Philosophy

This catalog provides important information to help students plan for college. It includes course information, resources, and services available; academic program descriptions; degree requirements; and information about College policies and procedures.

Each student must assume complete responsibility for compliance with the instructions and regulations set forth herein. However, the information in this catalog is not to be regarded as an irrevocable contract between the student and the College. The College reserves the right to change any provision or requirement at any time.

The College assumes no responsibility for misinterpretation by a student of policies and procedures as presented in this catalog. Counselors and administrators are available to advise and assist students in meeting necessary requirements.

Students should use the catalog to be a successful college student. For example, knowing what a course is about and how it fits into the goals or program is one of the requirements for proper course selection. Course descriptions are available in the section entitled, "Programs and Courses." If the goal is to complete an associate degree, it is important to become familiar with the General Education Degree Requirements described in "Graduation Requirements." If the goal is to complete a degree or to select courses prior to transferring to a four-year college or university, then the information on "Transfer" is very helpful. Counselors are also available for assistance.

Use the catalog to learn where and how to get things done. It has information for locating resources and becoming familiar with College policies and procedures. Information is available about resources such as Admissions, Counseling, Disabled Student Program and Services, EOPS, Financial Aid, College Success Center, Library, W.I.O.A, CARE, and Veterans Services. There is also information about adding a class, applying for graduation, or getting a transcript.

Accreditation

Yuba College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges (10 Commercial Blvd., Suite 204; Novato, CA 94949; (415) 506-0234), an institutional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education. The College is recognized as a two-year institution of collegiate grade by the California State University system, California Community Colleges, the American Association of Collegiate Registrars and Admissions Officers, and the Veterans’ Administration. Reference may also be made to the "Accredited Higher Institutions" Bulletin of the Office of Education, U.S. Government Printing Office; to the ‘Junior College Directory’ of the American Association of Junior Colleges; and to "American Junior Colleges" published by the American Council on Education, Washington, D.C.

Supplementary Course Accreditation

Yuba College Regional Fire Academy is accredited by the California State Fire Marshal and the State Board of Fire Service. The student will also meet the requirements to proceed with the required State and National firefighting testing. Upon successful completion of the testing, the graduate (class of) will receive California State, IAFC-American Fire Service Accreditation Congress and Pro Board-National Board of Fire Service Professionals Certification and the student will be eligible to participate in either fulltime, internship or volunteer work experience programs required by the State Fire Marshal for their Firefighter I certification.

In addition, the student will also meet the requirements to proceed with the required National Registry Emergency Medical Technician exam which will qualify the graduate (who passes) as a National Certified Emergency Medical Technician and California State certification.

Nursing - California Board of Registered Nursing
Psychiatric Technician - California Board of Licensed Vocational Nursing and Psychiatric Technician.
Chemical Dependency Counselor - CCAPP (Consortium of Addiction Programs and Professionals)
Police Academy - POST. (Peace Officers Standards and Training)
832 PC - POST & STC Peace Officers Standards and Training and Standards and Training in Corrections
PDCC, CDCSC & JCCCD - STC. (Standards and Training in Corrections)

2020-2021 Catalog
Academic Freedom
Reference: Title 5, Section 51022; Accreditation Standard IA.7
Academic employees must be free to teach and the students free to learn. Both must have access to the full range of ideas, materials and options. It is the responsibility of academic employees to encourage students to study, varying points of view and to respect the students’ right to form, hold, and express judgements, opinions, and beliefs, clearly identifying them as such.

The responsibility of protecting academic freedom rests with the Board of Trustees, administration, educational supervisors, and academic employees. Academic employees have a primary responsibility to develop the curriculum and select instructional materials and methods of presentation appropriate to meet the goals of that curriculum. Academic employees, educational supervisors, and administrators may recommend policies for Board consideration when there are criticisms of staff, methods, or materials. Academic employees, educational supervisors, and administrators must develop procedures to implement those Board-adopted policies related to academic freedom.

When academic employees are performing their assigned responsibilities, they shall be free to express personal opinions and pursue scholarly, literary, and artistic endeavors.

Advantages of Yuba College
The faculty are experienced instructors, skilled in developing and discovering and the interests and capabilities of their students. The ability to communicate with faculty members minimizes the danger that a student may become confused and lost in the hurry and bustle of college life and emphasizes the importance of the individual. Yuba College bridges the gap between high school and university, making adjustment easier.

The years of college education offered by Yuba College are an important educational need, especially since there is an increasing tendency for professional preparation to require more than four years of college study. Yuba College enables students and their families to conserve their resources for the long period of professional training.

Yuba College provides students with such services and activities as individualized counseling, social and cultural activities, sports, and physical recreation of sufficient variety to meet the needs and patterns of all students.

Students will find the opportunity to adjust their studies to their individual needs; those in high school who did not meet university admission requirements may make up their deficiencies; those who want training for immediate entry into paying jobs will find the courses they need; those in high school who did not meet the Board-adopted policies related to academic freedom.

Yuba College Mission Statement
Yuba College prepares a diverse student population to excel in a rapidly changing, interdependent world. Our quality programs and student services empower students to achieve their educational and life goals by providing counseling, transfer preparation, associate and transfer degrees, certificates, career and workforce training, basic skills instruction, and opportunities for lifelong learning. We respond to the diverse educational, cultural, and economic needs of our community by promoting individual potential through effective teaching and learning in an inclusive environment.

Yuba College Guiding Principles
Principle 1: Student Success and Achievement: Support an inclusive learning environment that enables all students to achieve their educational goals by promoting Connection, Entry, Progress and Completion (Completion by Design). (Aligns with YCCD Strategic Goal #1)
Principles 2: Teaching and Learning, and Support Services: Develop and scale innovative educational practices that enhance student learning and completion. (Aligns with YCCD Strategic Goal #1)
Principle 3: College Processes & Systems: Steward our resources through data-informed practices that continually improve service and increase efficiency. (Aligns with YCCD Strategic Goals #2 and #4)
Principle 4: Culture and Climate: Build a college-wide sense of community through collaboration, professional development, and inclusion. (Aligns with YCCD Strategic Goal #3)
Principle 5: Community Leadership and Engagement: Strengthen and develop partnerships to meet the educational, workforce, and cultural needs of our community. (Aligns with YCCD Strategic Goal #5)

Diversity Statement
It is the goal of Yuba College to foster a community in which diversity is valued, respected and embraced, and every person is treated with dignity, respect and justice.

Diversity includes a multiplicity of values and beliefs, interests and experiences and intellectual and cultural viewpoints.

Yuba College endorses, supports and actively pursues a policy of inclusiveness that recognizes, values and reflects the diversity of the community we represent, the professionals with whom we serve and the subject matter we impart. To thrive as an academic institution, we believe we must foster a learning and working environment that encourages multiple perspectives and the free exchange of ideas in an unbiased and non-prejudicial way.

To that end, as we educate students, develop curriculum, diversity staffing and provide support services, Yuba College is guided by the priority to achieve broad inclusiveness and afford equal opportunity to all, without regard to gender, race, color, ethnicity, national origin, religion, ideology, age, economic and educational background, sexual orientation, or physical, learning and psychological differences.

Nondiscrimination Statement
Yuba College does not discriminate on the basis of race, color, national origin, sex, gender, physical and mental disability, age, sexual orientation, religion, medical condition, ancestry, or marital status in any of its policies, procedures, or practices, nor does it tolerate sexual harassment, in accordance 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.

The Yuba College Community College District Board of Trustees has adopted a Diversity Policy, BP 1300, which includes the following: a Definition of Diversity, a Diversity Statement, Principles of Community and a Diversity Framework for Institutional Transformation and Cultural Competency.

Inquiries regarding the equal opportunity policies, the filing of complaints, or to request a copy of the complaint procedures covering discrimination complaints may be directed to the Human Resources IX Coordinator (530) 741-6976 located at Yuba College Community District, 425 Plumas Blvd, Suite 200, Yuba City, CA 95991.

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

The College recognizes its obligation to provide overall protection of and preparation for the College for disabled persons. Call Human Resources, Title IX Coordinator (530) 741-6976 to obtain information as to the existence and location of services, activities, and facilities that are accessible to and usable by disabled individuals.

Inquiries regarding Federal laws and regulations about nondiscrimination or sufficiency of the college’s compliance with those provisions may also be directed to: Office for Civil Rights San Francisco Office U.S. Department of Education 50 United Nations Plaza San Francisco, CA 94102-4102

Institutional Student Learning Outcomes
Student Learning Outcomes (SLO’s) are the intended knowledge, skills, or abilities a student should gain or develop as the result of attending class, participating in a program, or earning a degree or certificate from Yuba College. SLO’s differ from traditional measures of student success—letter grades—in that they measure specific skills within a course—and separate them from other factors that affect student success.

1. Communication: effectively use language and non-verbal communication consistent with and appropriate for the audience and purpose.
2. Computation: use appropriate mathematical concepts and methods to understand, analyze, and communicate in quantitative terms.
3. Critical Thinking: analyze data/information in addressing and evaluating problems and issues in making decisions.
4. Global Awareness: articulate similarities and differences among cultures, times, and environments, demonstrating an understanding of cultural pluralism and knowledge of global issues.
5. Information Competency: conduct, present and use research necessary to achieve educational, professional and personal objectives.
6. Personal and Social Responsibility: interact with others by demonstrating respect for opinions, feelings and values.
7. Technological Awareness: select and use appropriate tools for personal, academic and career tasks.

2020-2021 Catalog
Programs and Services

Aerospace Studies (Air Force ROTC)

Air Force Reserve Officer Training Corps is available to Yuba College students through a cross-enrollment agreement with California State University, Sacramento (CSUS). The CSUS Department of Aerospace Studies offers two-, three-, and four-year programs leading to a commission in the United States Air Force. Students can complete general education requirements at Yuba College and then transfer to CSUS to complete their degrees.

Due to firm scheduling requirements for the Air Force ROTC program, students are encouraged to work closely with their academic counselors in planning this academic program. Application to the Air Force ROTC program should normally be no later than the first semester of a student’s sophomore year. Juniors, seniors and graduate students may also apply under certain conditions. Contact the unit admissions officer in the CSUS Aerospace Studies Department at (916) 278-7715 for information on the program or the entry process.

Placement and Testing Center

The Yuba College Placement and Testing Center is located at Yuba College in the 100B building. The College also offers placement at Beale AFB Outreach Services and Sutter County Center. Call a placement and testing center for its testing schedule or if you are looking for a career exploration appointment at one of the following locations: YC Placement and Testing Center (Yuba College) - (530) 741-6884; Beale AFB Outreach Services - (530) 788-0973, Sutter County Center - (530) 751-5600.

Individuals with disabilities or special testing needs should discuss options or accommodations with a Yuba College counselor and/or Disabled Student Program and Services staff or call a test center to arrange accommodations.

The Yuba College Placement and Testing Center is a member of the National College Testing Association (NCCTA) Consortium of Test Centers and offers distance education testing for various colleges and universities from around the country.

For your privacy and safeguarding of student records, photo identification is required for all testing transactions.

Bookstore

Yuba College Bookstore is located in Building 300. The Bookstore is a one-stop shop, supporting community needs in and out of the classroom. When it comes to textbooks, the bookstore offers a variety of affordable options including used, rental and digital books as well as a price match guarantee to promise students get their materials at the lowest cost possible. The bookstore also makes shopping hassle-free with its Shop by Author Textbook program. Simply log into Follett Discover and pull up a personalized course materials shopping list, alphabetized by author. Students can print and email the list or just use the kiosk in the bookstore. The bookstore also carries everyday essentials like clothing, gifts, supplies, general reference and bargain books, as well as snacks, food and drinks. For more information on payment options, returns, shipping, store hours and more, visit www.yubabookshop.com or call (530) 741-6998.

Buy Backs: The bookstore buys back textbooks for cash every day, regardless of where the text was purchased. The textbook can be new, used, hardback, or paperback (excluding workbooks). Prices fluctuate according to demand.

California Work Opportunity and Responsibility to Kids (CalWORKs)

The Yuba College CalWORKs Program, located in Building 100B, is a state funded welfare to work program. Yuba College is a partner with local county offices. This partnership enables participants to attend community college in order to prepare for employment. The CalWORKs program offers services for eligible students in the following areas: academic, vocational and personal counseling, job placement (related to the student’s major), CalWORKs Work-Study, access to the CalWORKs lending library, educational supplies and child care. For more information or to schedule an in person or distance appointment, call the Yuba College CalWORKs Office at (530) 634-7773 or email calworks@yc.cdla.edu.

Career Center

The Yuba College Career Center, located in Building 100B, provides a process to lead students through various assessments giving them the necessary tools to make career and life planning decisions. Services and tools available to students to achieve this goal include: career counseling, occupational assessment and testing, occupational computer-assisted career information, and a library of occupational books and reference materials.

For more information, contact the Yuba College Counseling Department at (530) 634-7766.

Careers and Technical Education Transitions (CTE)

The Yuba College Career Technical Education Transitions Program, located in Room 16 in Building 100A, coordinates the awarding of college credit to high school students who meet approved articulation requirements. An articulated course is one in which the high school instructor/Regional Occupational Program (ROP) and Yuba College faculty have formally agreed that the high school’s ROP’s course outline, syllabus, textbook, and final exam are comparable to those in a course of the same major within Yuba College. Students receive credit on a Yuba College transcript once articulation requirements have been completed. The CTE (Career Technical Education) Transitions Program prepares students to earn a certificate, an associate’s degree or transfer to a university.

For more information about the CTE Transitions Program, contact the Yuba College CTE Transitions Office at (530) 741-6588, cctransitions@yccd.edu, or visit the Admissions and Records Office at any campus, or see a counselor. Also visit the CTE Transitions website at https://yc.yccd.edu/student/cte-transitions/

Child Development Center

The Child Development Center is located in Building 1600 at Yuba College. The main objective of the Child Development Program/Lab School is to serve families of children on our college campus and in our community by providing an exemplary, developmentally appropriate early childhood program for children, families, college and faculty through modeling best practices in the field of early childhood education.

The Yuba College Child Development Lab School follows the California State Foundations & Framework when planning activities/lesson plans for young children.

Objectives and Guiding Principles

- Children construct understanding through active interaction with caregivers, peers, materials and events.
- Learning is sequential, building on prior understanding and experiences.
- Learning proceeds at different rates in each content area/domain; children will show a range of skills and understandings in any one area of development.
- Learning in each area is interconnected. Young children learn best through integrated, meaningful experiences.
- Learning is embedded in a culture. Children learn what their learning activities are rooted in a familiar cultural context.
- Learning begins in the family, continues in early care and education settings, and depends on parent involvement and care giver guidance.
- All children have the potential to achieve learning outcomes with the appropriate supports and instruction.
- Eligibility to enroll can be met by private pay or income eligibility and by meeting one of the following need criteria:
  - Students with a need for childcare (There is no need requirement when attending only preschool hours.)
  - Searching for work
  - Working
  - Incapacitated
  - Searching for housing

Yuba College serves toddlers (18-months-36 months) and preschoolers (3-5 years) in a full day, part day or state preschool program (9 a.m.-12 p.m. or 2:30 p.m.-5:30 p.m.). The Child Development Center hours of operation are Monday-Friday 7:30 a.m.-5:30 p.m. For more information contact the Yuba College Child Development Center at (530) 749-3808.

College Success Center

The College Success Center (Room 1100) in the Library Learning Center (Building 1100) on the Yuba College campus provides academic learning and support services across most disciplines to all currently enrolled Yuba College students at no cost and cultivates a positive, supportive learning environment that, if fully utilized, significantly enhances students’ abilities to pass their classes.

Academic Learning and Support Services

- scheduled collaborative learning sessions
- facilitated collaborative learning groups
- drop-in mathematics assistance (all day)
- scheduled individualized tutoring
- test and examination reviews
- supplemental Instruction®-based Content Tutoring
- quiet study areas for groups and individuals
- access to wireless Internet, computers and academic software
- test preparation materials
- assistance with research projects
- assistance with multimedia presentations

The two major components of the College Success Center are the Math Tutoring Program and the Content Tutoring Program.

Programs and Services

2020-2021 Catalog

14

15
Programs and Services

Math Tutoring Program: The Math Tutoring Program primarily supports students enrolled in the Accounting, Business, Chemistry, Computer Science, Learning Assistance, Mathematics, Physics, and Statistics programs. Academic support is usually available for the following courses:

- Accounting 1, 2L, 10A
- Chemistry 1A, 1B, 2A, 2B, 18A, 18B
- Computer Science 6, 9A, 9B, 11
- General Business 18A, 30, 56
- Learning Assistance 174
- Mathematics 1A, 1B, 1C, 2, 3, 9, 10, 15, 16, 20, 21, 25, 51, 52, 52A, 52B, 58, 59, 101
- Physics 2A, 2B, 4A, 4B
- Statistics 1

Content Tutoring Program: The Content Tutoring Program primarily supports students enrolled in Biology, Economics, Geology, History, Humanities, Music, Philosophy, Physical Science, Psychology, Political Science, Sign Language, and Spanish classes. Academic support is usually available for the following courses:

- Biology 1, 4, 5, 6, 10L, 15
- Ecology 10
- Early Childhood Education 1A, 1B, 3
- French 1
- Geography 1
- Geology 10L
- History 5A, 5B, 15, 17A, 17B
- Humanities 10, 11
- Music 1B, 1D, 2B, 2D, 5B, 17, 41A, 41B, 42A
- Philosophy 12, 20
- Political Science 1, 7
- Psychology 1A, 7, 12
- Sign Language 1, 2
- Sociology 1
- Spanish 1, 2, 3, 4, 20A
- Veterinarian Technology 2, 3

Online Tutoring: Online tutoring is available for distance education courses.

Tutoring Staff: The tutoring staff is efficient, well-trained, friendly, helpful, and knowledgeable. Tutors must possess the following qualifications and characteristics to be employed:

1. have an overall 3.0 grade point average or higher,
2. pass the course they wish to tutor with an A,
3. be approved by the faculty,
4. complete an intensive tutor training program, and
5. be committed to assisting students learn.

Hours of Operation:

Fall and Spring Semesters:
- 8:00 a.m. to 7:00 p.m. Monday through Thursday
- 8:00 a.m. to 5:00 p.m., Friday

Summer Session:
- 8:00 a.m. to 5:00 p.m., Monday through Thursday

Contact Information:
- General Information (front desk): (530) 741-6759
- Guy Bu, Instructional Associate: (530) 741-8752 or gbu@yccd.edu
- Tony Jow, Instructional Associate: (530) 741-8751 or tjow@yccd.edu
- Dr. Travis R. Smith, Coordinator: (530) 741-6787 or tsmith@yccd.edu

Cooperative Work Experience Education

Cooperative Work Experience Education (CWEE) are courses designed to recognize learning that occurs on-the-job, on-campus, or in a paid position and develop specific learning objectives approved by the employer and Yuba College. Call Yuba College at (530) 741-6763 for more information.

Counseling

Community colleges are distinguished by the personal attention given to students and the quality of guidance and counseling services provided. Counseling is an essential part of Yuba College, designed to complement and facilitate instruction and to aid students in academic, career and personal planning. Individual and group counseling is provided. Students are strongly encouraged to meet with a counselor at least once each semester. Counselors are available at Yuba College, Sutter County Center, Beale AFB and within specialized programs including CalWORKs, DSSP, and EOPS.

Some of the services provided by counselors include:

- Conducting group orientation and registration information sessions
- Providing essential information concerning certificate, degree, and transfer requirements as well as college rules and regulations and students' rights and responsibilities
- Assisting students in assessing and analyzing aptitudes, interests, values and personality related to career and academic planning
- Assisting students in deciding the best educational program for each student to achieve a chosen career
- Determining the best educational program for each student to achieve a chosen career
- Developing a student education plan that includes both the coursework and supplemental needs of each student
- Selecting courses and assisting students with the registration procedures of the college
- Suggesting college activities to maximize each student's opportunities and potential
- Planning a transfer program which leads to acceptance with junior level (upper division) status at a university
- Providing workshops on a variety of topics of interest to students
- Assisting students to resolve personal problems which are barriers to their education achievement
- Referring students to appropriate campus and community support services and resources

Dining Facilities

Yuba College offers two dining options on the Yuba College campus. The Culinary Arts program at Yuba College provides restaurant style dining at Flavors restaurant. Flavors is open Tuesday through Thursday from 11:30 a.m. - 1:00 p.m. The Café offers a variety of food and coffee selections and is open Monday through Friday during the morning and late afternoon. Flavors and the Café are located in Building 300.

Sutter County Center offers grab and go food and beverages at the 49er Café which is open Monday through Thursday from 8:30 a.m. - 2:00 p.m.

Distance Education/e-Learning

Distance Learning courses include televised courses (TV) and fully online courses. A complete listing of these courses is located in the Schedule of Classes under Distance Education and in the YCCD eLearning website (http://des.yccd.edu). Content, instruction, assignments, testing and student/faculty interaction occur at a distance. Some faculty may require students to come to campus to take exams or require prior approval for exams proctored at a remote site.

EOPS (530) 741-6995
Sutter County Center (530) 751-5600
Beale AFB Outreach Services (530) 788-0873

Referring students to appropriate campus and community support services and resources

Offering Counseling (COUNS) classes for students including:

- COUNS 40-College Success
- COUNS 22-Peer Advising Seminar
- COUNS 25-Career Planning and Development
- COUNS 30-Transfer Preparation
- COUNS 35-College Study Skills
- COUNS 45-Career College Planning
- COUNS 52-Preliminary Employment Skills Training

For more information or to schedule an in person or distance appointment, email yubacounseling@yccd.edu or call:
Programs and Services

The rigor of online and ITV courses is equal to a regular course. Students need to have good time management and computer literacy skills and be able to work independently. Two, 1 unit online courses are offered each term to help prepare students to be successful online learners: MCMOMM 40, Introduction to Online Learning and LIBSC 1, Basic Research Skills.

ITV courses feature Yuba College or Woodland Community College instructors. These courses are accessible on the web via the YCCCD eLearning software.

Fully online courses are delivered using the YCCCD eLearning course management software, Canvas, which is accessible via the eLearning website and within the MyCampus portal. Students access YCCCD eLearning using their college student ID and password once they are enrolled in a course that uses this software. Technical support is provided via phone, email, virtual PC software and in person. For more information, staff contacts and technical assistance, check the YCCCD eLearning website.

Distance Education- Student Services Programs

Yuba College Student Services programs provide distance education services to prospective and current Yuba College students for non-urgent matters through telephone and web-based modalities. For information on how to access and arrange for distance education services, see each student service program in the Programs and Services section of the Yuba College Catalog.

Disabled Student Program and Services (DSPS)

Disabled Student Program and Services, located in Building 1800, is designed to ensure educational opportunities for students with disabilities that impact their academic participation such as vision, hearing, psychological, mobility and learning. DSPS partners with the college to promote equity in all its educational offerings. Screening for learning disabilities is available to all currently registered Yuba College students having trouble in their classes or who have a history of special education needs. Support services for eligible students may include academic accommodations such as test proctoring, note taking, disability advising, priority registration, auxiliary aids, interpreter services and mobility aids. Specialized classes are offered each semester at Yuba College including Adapted Physical Education, Academic Strategies, Assisted Living, and in Person. Students will be provided a breakfast, lunch or a family meal, along with community resources of food banks available in the community. Students will also be provided assistance in applying for CalFresh food assistance. CalFresh is a monthly cash assistance to purchase food and fresh produce at participating farmer’s markets. Yuba College assists students in applying for CalFresh food aid benefits and will also provide follow-up services to students by helping them submit all required documents. For more information visit the website: yyc.edu/student/dusty’s-food-pantry/, or call (530) 741-8986.

Extended Day and Outreach Programs

The Outreach Program, planned to serve the diverse needs of the adult population of the entire District, accomplishes its aim through several facets:

• The On-Campus Late Afternoon and Evening Program;
• The Off-Campus Program providing service at sites throughout the District wherever fifteen or more individuals identify an educational need the College may properly meet;
• Short Term Courses, as short as one day or a weekend, when appropriate to meet an identified need; and
• State-approved Non-Credit Courses to meet needs of adults which are not properly met through credit courses; and
• The Public Events Program which sponsors cultural events, speakers, musical events, and other activities not appropriate as credit or noncredit courses.

Extended Opportunity Program and Services (EOPS)

Extended Opportunity Program and Services (EOPS), located in Building 100B, is a state funded program that provides “over and above” support services to economically and educationally disadvantaged students. EOPS promotes student success with priority registration, comprehensive educational planning, career and transfer planning, free tutoring, textbook assistance, limited financial assistance, and other additional services designed to support the student.

For additional information or to schedule an in person or distance appointment at Yuba College or the Sutter County Center, visit the eOPS website: http://yc.yccd.edu/student/EOPS/default.aspx, call EOPS at Yuba College, (530) 741-6995 or email yceops@yccd.edu.

Cooperative Agencies Resources for Education (CARE)

As a supplemental component of EOPS, CARE provides additional support services for eligible EOPS students who are single head of household, have at least one child under the age of 14, and are receiving TANF benefits. Grants for educationally related expenses (such as child care, transportation, text-books and supplies) may be awarded as a means of strengthening the retention, persistence, graduation and transfer rates of these individuals.

For additional information visit the EOPS website: http://yc.yccd.edu/student/EOPS/default.aspx or call EOPS at Yuba College, (530) 741-6995 or email yceops@yccd.edu.

Financial Aid and Scholarships

Information about Financial Aid and Scholarships is located in the Financial Aid Section of the Yuba College Catalog beginning on page 32.

Health Clinic (Student)

Yuba College, in partnership with Harmony Health, offers the Free Student Health Clinic for minor health care and psychological needs. The clinic is located in Room 122C in Building 100B. For more information, call (530) 740-1749.

Library

The Yuba College Library, located in Building 1100, offers a wide variety of information services and resources to support student learning across curriculum. With access to updated book and electronic book collections, periodical subscriptions, and online research databases, the library is a great place to start any research project. Students are welcome to study in a quiet environment, search on a topic, and get help in finding information. Appointments are available to meet one-on-one with a librarian. Students may learn how to use the library and its resources by attending an orientation session or enrolling in LIBSC 1 - Library Research Skills which is offered online.

The new Learning Resources Center, located in the Library, opened in January 2014 in Marysville after a major renovation. The updated facility features group study rooms, quiet study areas, and a computer lab. Members of the public are welcome to use the facilities any time the Library is open.

PUENTE Program

The mission of the PUENTE Program is to increase the number of students who transfer and enroll in baccalaureate level colleges and universities, earn their degree and return to the community as leaders and mentors of future generations. The program offers academic, counseling and mentoring support for students to build the skills necessary for success in both academic and career goals while in community college. Students enrolled in the program work closely with their counselor, instructor, and mentor. To qualify, students must place at English 1A and submit an application for the PUENTE Program. For more information, contact David Perez, PUENTE Counselor, at (530) 534-7770 or Zachary O’Neill, PUENTE English Professor, at (530) 741-6884.

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Selective Service Registration

Almost all male U.S. citizens and male aliens living in the U.S., who are 18 through 25, are required to register for the military draft. However, men who currently register are not automatically inducted into military service. Presently, the United States operates its military through voluntary enlistment. The last time men were inducted into the military was during the Vietnam War. Registration for a possible future draft is required to ensure America’s preparedness in the event of a military crisis. In the event of a crisis that necessitates a draft to be invoked, men would be called in sequence determined by random lottery number and year of birth. They would then be examined for mental, physical and moral fitness by the military before being deferred or exempted from military service or inducted into the Armed Forces. Males may register as soon as they reach the age of 17 years and 3 months but must register within 30 days of turning 18.

If males do not register, they could be prosecuted and fined up to $250,000 and/or be put in jail for up to five years. Registration is also required to qualify for Federal student financial aid, job-training benefits, and most Federal employment. The Selective Service Registration Form may be obtained from the Yuba College Registration Office or from your local post office.

Students who have questions about Selective Service registration may contact the Selective Service at (847) 688-6888 or on the Web.

Student Accident Insurance Policy

Yuba Community College District students are covered by an Accident Insurance Policy for accidents and injuries sustained while students are on and/or off campus participating in school related activities. The policy has a maximum liability amount of $20,000. Coverage is subject to the terms and conditions of the policy, which is available for review in the President’s office.

Please note that Yuba Community College District does not offer a health insurance plan for its students. If a student is enrolled in a healthcare plan, the Student Accident Insurance Policy will be considered secondary coverage. If a student does not have a healthcare plan, then the Student Accident Insurance Policy will be considered primary coverage up to the maximum limit and subject to the terms and conditions of the Policy.

Student Success and Support Program (SSSP)

The Student Success and Support Program (SSSP) is both a program and a process designed to support and encourage student success.

The mission of SSSP includes ensuring fair and equal access to campus resources, accurate and unbiased assessment and planning, the provision of quality guidance and support for students to reach their educational goals. The objective of SSSP is to assist students in designing and planning their educational goals. The process begins with admission to the college and ends when the student achieves his/her educational goal.

The purpose of the Student Success and Support Program at Yuba College is to increase success through:

- Orientation: provides entering students with a brief overview of college policies, programs and services
- Placement: provides students with reading, writing, and mathematics course placement recommendations
- Academic Advising: provides students with a short term and long term Education Plan
- Follow-up: provides students the opportunity to update plans and ask questions

Student Success is the process that allows the college and the student to form a partnership which helps each student identify and attain that goal. The college asks students to commit themselves to an educational objective, and the college commits to fostering student success. To ensure the success of the partnership:

The College agrees to provide:

- An admission process
- Placement of basic educational skills and career goals
- Counseling/advising for the development of an individual education plan
- Quality instruction
- A wide variety of courses
- Referral to support services as necessary
- Follow up on student academic progress

Students are expected to:

- Attend an orientation session
- Complete placement
- Declare a specific educational objective or career pathway after completing 15 units of degree applicable coursework
- Seek counseling assistance for the development of a comprehensive education plan
- Attend classes regularly, complete assigned course work and seek out counseling services as necessary

Transfer Center

The Yuba College Transfer Center, located in Building 106B, hosts an annual fall transfer program called, “College Information Day”. This program brings representatives on campus from the University of California, California State University, independent California colleges and universities, in addition to out-of-state colleges. Both Yuba College and area high school students have an opportunity to visit informally with these representatives to obtain information concerning their programs, services, and application procedures.

The Transfer Center offers services and resources for students seeking information about baccalaureate level colleges and universities. For some students, the transfer process can be overwhelming. Yuba College counselors and Transfer Center staff are committed to help students with the phases of the transfer process and the many transfer options available. These services include:

- Computers with Internet links to web sites related to transfer
- Appointment opportunities with representatives from baccalaureate level colleges and universities
- The annual College Information Day
- Workshops related to transfer

For more information, call (530) 634-7766 at Yuba College.

Umoja Program

Umoja is a Kiswahili word meaning “unity.” The college is committed to working together to meet the desired outcomes for African ancestry students at Yuba College: a commitment to working diligently for academic achievement, attainment of an associate degree and qualification for transfer to a baccalaureate level college or university. For information and an application for Umoja, contact Jeremy Brown at (530) 740-4529.

Upward Bound

Upward Bound is federally funded through the U.S. Department of Education to serve low-income and potential first-generation students to progress through the academic pipeline from middle school to post baccalaureate programs.

Upward Bound serves high school students from Live Oak, River Valley and Yuba City. The program provides opportunities for participants to succeed in a pre-college performance and ultimately in higher educational pursuits. The goal of Upward Bound is to increase the rates at which participants enroll in and graduate from institutions of post-secondary education. Additionally Upward Bound provides support to high school students in their preparation for college admission.

The services listed below are free and available to Upward Bound participants:

- Six-week Summer College Academic and Cultural Enrichment Program
- Saturday Workshops on learning styles, career exploration and personal skills development
- Weekly workshops at the student’s respective high school with the Upward Bound Learning Specialist to assist in academic, career and personal advising and college exploration and planning
- Daily after school tutoring
- Academic instruction in English, foreign language, mathematics, sciences and other academic classes
- College visits
- Cultural enrichment activities
- Leadership workshops and conferences
- New and renewable scholarships

To learn more about the Upward Bound Program, call (530) 740-3858 or visit the Yuba College website.

The Legislative requirements of Upward Bound programs can be found in the Higher Education Act of 1965, Title IV, Part A, Subpart 2, Federal Early Outreach and Student Services Program, Chapter 1, Federal TRIO programs.
Veterans Resource Center (VRC)

The mission of the Yuba College Veterans Resource Center (VRC) is to provide academic support to the student veteran community. In Building 725, the Yuba College VRC is committed to military affiliated students who have chosen to make the transition from a military lifestyle to being a college student. The VRC is dedicated to assist veteran students in this transition and to help them achieve academic success. The examples of activities in the VRC are to facilitate peer-to-peer support, mentoring, and a network of social camaraderie through the Student Veterans Association and other resources. The VRC staff partners with campus and community resources such as Financial Aid, Counseling, Disabled Student Program and Services and can assist veterans by making referrals to other community veterans’ organizations such as the Yuba-Sutter County Veteran Service Officers, Yuba-Sutter Stand-Down, Cal-Vet resources and other VA Health providers. Other resources available in the VRC include a study area, computers with internet access, a book lending library, and a television to relax between classes. For information call (530) 741-8622.

Veterans Services

Yuba College is approved for the training of veterans and dependent students. The Veterans Service Office (VSO) assists veterans, reservists, and dependents (of service-connected disabled, or deceased veterans) with their educational benefits. The VSO also acts as a liaison with the U.S. Department of Veterans Affairs.

Yuba College requires that all veterans and/or dependents who wish to collect education benefits call the Yuba College VSO to start a file. The VSO will provide assistance in applying for benefits, educational pay, college registration, placement counseling, and career counseling referrals.

All benefit recipients are required to submit a copy of a current class schedule to the Yuba College VSO each semester. Regional VA processing of benefits can take 4 to 6 weeks. For more detailed information call the Yuba College VSO at (530) 741-8622.

Credit for Military Experience:

The Yuba College Veterans Resource Center (VRC) is to provide academic support to the student veteran community. In Building 725, the Yuba College VRC is committed to military affiliated students who have chosen to make the transition from a military lifestyle to being a college student. The VRC is dedicated to assist veteran students in this transition and to help them achieve academic success. The examples of activities in the VRC are to facilitate peer-to-peer support, mentoring, and a network of social camaraderie through the Student Veterans Association and other resources. The VRC staff partners with campus and community resources such as Financial Aid, Counseling, Disabled Student Program and Services and can assist veterans by making referrals to other community veterans’ organizations such as the Yuba-Sutter County Veteran Service Officers, Yuba-Sutter Stand-Down, Cal-Vet resources and other VA Health providers. Other resources available in the VRC include a study area, computers with internet access, a book lending library, and a television to relax between classes. For information call (530) 741-8622.

Military Withdrawal:

A military withdrawal occurs when a student who is a member of the United States military (active or reserve) receives orders necessitating a withdrawal from enrolled courses. A student must file a request or petitioning this option and attach a copy of military orders. Upon verification of such orders, a withdrawal symbol of “MW” will be assigned. Military withdrawals will not be counted in progress probation and dismissal calculations.

For more information, call the Yuba College Veterans Service Office at (530) 741-8622.

Workforce Innovation and Opportunity Act (WIOA)

The Workforce Innovation and Opportunity Act (WIOA) is a federally funded program that offers financial assistance to qualifying individuals who wish to obtain educational training and have un-met needs following for the California College Promise Grant (formerly known as the BOGW fee waiver) and financial aid. The program helps students find a job or train for a new career. The certificated WIOA activities provided at the local level benefit job seekers, dislocated workers, youth, incumbent workers, and veterans. The WIOA program is for students who need financial assistance to cover the costs of on-the-job training, books, tools, fees, transportation, and other school or job-related needs. The student may be receiving Financial Aid, EOPS, unemployment, and scholarships, and still receive WIOA assistance. This is not an entitlement program. The student must qualify and then it is based on funds available at the county level. For more information call (530) 741-8630.

Writing and Language Development Center (WLDC)

The Writing and Language Development Center (WLDC) is open to all currently enrolled Yuba College students during the fall and spring sessions and is located inside the Learning Resource Center in Room 1116.

The following services are offered:

- Drop-in assistance for writing assignments
- Help with MLA, APA, and Chicago style formatting
- One-time or regular weekly appointments
- Informal study space and private study rooms
- Technology assistance and computer lab
- Proofreading tips
- ESL conversation groups
- English final exam workshops
- Kurzweil 3000 software for assisted reading and writing
- Writing and grammar tips sheets
- Editing services

For more information call (530) 740-1709.

Yuba Community College District Foundation

- History: The Foundation, located at the District Office, was established in 1972 to support academic programs and student scholarships in order to enhance student learning and promote student success at the campuses and centers within the Yuba Community College District. Throughout the subsequent decades, numerous gifts and sound investing have built the Foundation funds to a level of several million dollars, making the YCCD Foundation one of the larger charitable organizations in the region.

- Governance: The YCCD Foundation is overseen by a Board of Directors with representatives from all counties within Yuba Community College District’s service area: Colusa, Lake, Sutter, Yolo, and Yuba Counties. For more information about the YCCD Foundation visit: http://www.yccd.edu/administrative-services/foundation/default.aspx

Yuba College Alumni and Friends

The purpose of the Yuba College Alumni and Friends is to maintain strong relationships between friends and former students and to support and promote the goals, activities, and interests of the college. The association provides the vehicle to stimulate this support and to keep the community, alumni and friends of Yuba College involved in college programs and activities. A person is a member of the Yuba College alumni family by being a member of the Yuba College family of students and in giving something back to the college which has given so much to them. For additional information, please contact: ycalumni@yccd.edu.
Admissions

Yuba College does not restrict admission to residents of the District, nor does it restrict the privilege of District residency to any other community. Nonresident students are accepted on the same basis as California resident students, except that State law requires a tuition charge (see “Residency Requirements” below).

Open Enrollment Policy
All courses, regardless of where offered, are open to members of the public who are otherwise eligible for admission with the following exceptions:

- Courses that are specifically exempted by statute, including “impaired” allied health programs (such as Radiologic Technology, Veterinary Technology, Associate Degree Nursing and Psychiatric Technician).
- Courses closed by maximum enrollment of students by the “priority registration” policies; and
- Courses with academic prerequisites that restrict enrollment of academically unqualified students; and
- Courses with content that would be a repeat of a course of equivalent or more advanced course work previously taken by the student (exceptions require counselor evaluation and approval).

Applicants may apply for admission online by going to the Yuba College website at yc.yccd.edu.

Admission to Impacted Programs: Admission to Impacted programs require a special application. For Associate Degree Nursing (ADN), Psychiatric Technician, Radiologic Technology call (530) 741-6749. For Veterinary Technology call (530) 741-6962, or visit the Veterinary Technology Program at https://yc.yccd.edu/vettech.

International Students: Students must obtain a special application which may be downloaded from the Yuba College website. Admissions tab, or mailed upon request from Student Services Division, located on the Yuba College campus or call (530) 741-6705.

Agi/Andor High School Graduation Requirement: In general, all full-time students must have earned a high school diploma, a State Certificate of Proficiency, or the equivalent, or be 18 years of age as of the date of registration, as provided in Section 7600 of the Education Code.

Dual Enrollment of High School Students: A high school student who has completed the eighth grade may be admitted on a part-time basis subject to the following requirements with the written recommendation of the high school administrator and the parent’s permission:
- The student must meet all course prerequisite requirements; students are required to fulfill the minimum day requirement at their high school, or, for charter/home-schooled students, the parent has to verify that the proposed college course work will not interfere with the student’s basic high school course work; charter or home-schooled students must present a grade equivalency certificate documenting the grade level the student has achieved; charter or home-schooled students must present a copy of the affidavit submitted to the State or County Office of Education to document the student’s involvement in an educational process; dual enrolled students receive the lowest registration priority. Students must be certified to be eligible for advanced scholastic or vocational coursework. Call the high school administrator for information concerning authorization to enroll.

Admissions

General Rules for Residency:
1. Persons who are 19 years of age or older may establish residence in accordance with the criteria listed below. Year of residence must begin after the eighteen birthday.
2. Persons who are under 19 years of age may establish residence in accordance with the criteria listed below and the following: (a) Married minors may establish their own residence, and (b) an unmarried minor derives residence from the parent with whom the student residing. If the student lives with neither parent, residency is derived from the parent with whom the student last lived. (The residence of an unmarried minor who has a parent living cannot be changed by the student’s act, by appointment of a legal guardian, or by relinquishment of a parent’s right of control.)
3. Active duty military personnel stationed in California are entitled to residence classification.
4. A dependent child or spouse of an active duty military personnel stationed in California is entitled to residence classification.
5. A member of the armed forces of the United States stationed in California on active duty for more than three years immediately prior to being discharged will be exempt from the non resident fees. Establishment of residency requires physical presence and acts of intent demonstrated for one full year.
6. Persons who have had a “permanent residence visa” for three years and who graduated from a California high school may be exempt from the non-resident tuition fee if they show no contrary intent, that is, they must not have maintained residence status in their former state (i.e. driver’s license, taxes, car registration, etc.). Types of documentation that may be submitted that will help to establish proof of intent (with lack of intent for residence in another state) include the following. No one factor is decisive.

Documentation: W-2 form; California State Income Tax payment, Driver’s license, Motor vehicle ownership and registration; Purchase of property; Voter registration; License from California for professional practice; Any other proof of intent as may be deemed necessary to establish residence classification.

A student incorrectly classified as a California resident because of falsification of information is subject to reclassification as a nonresident and payment of nonresident tuition or exclusion from class(es) upon notification. Students classified as nonresidents may appeal the decision within 30 days of the date of the residence classification decision.

All students classified as nonresident are required to pay Nonresident Tuition Fee: the Enrollment Fee and the Student Health Fee each semester. (See Schedule of Classes for current fee information). Nonresident fees are refundable up to the end of the second week of instruction of a semester (dates vary for short-term classes) if the student withdraws from a course. The date on which the withdrawal is received in the Admissions and Records Office will determine the refund date.

Refunds shall not exceed the amount of tuition paid and will be processed in accordance with District regulations (see “Refund” section).

Residency Requirements
California state law mandates that each student who applies for admission provide residency information and evidence as deemed necessary by the Admissions and Records Office to determine the student’s residence classification. The following rules regarding residency determination are not a complete explanation. For further information, call the Admissions and Records Office. These rules are subject to change at any time in accordance with State law.

The residency determination date is the day prior to the first day of instruction for each semester.

Criteria for Residency: Nonresident students do not automatically become residents by merely being in California for more than one year. State law requires “proof of intent” to establish California residence for more than one year prior to the residence determination date. The burden of proof rests with the student, not the College. Students must present a combination of documentation to prove intent to be a resident. Students must also show no contrary intent, that is, they must not have maintained residence status in their former state (i.e. driver’s license, taxes, car registration, etc.). Types of documentation that may be submitted that will help to establish proof of intent (with lack of intent for residence in another state) include the following. No one factor is decisive.

International Student Admission

Under Federal law, Yuba College is authorized to enroll students on F-1 student visas for degree and/or transfer programs. International students applying for admission must request an International Student application packet from the Dean, Student Services by calling (530) 741-6705.
Admissions

The deadlines to apply are June 15 for the fall semester and November 15 for the spring semester. Since applications will not be considered until all required documents are on file, students are encouraged to request applications early.

To be considered for admission, an international student must meet specific criteria:

- Pay Tuition, Enrollment Fees and the Student Health Fee at the time of registration. (See current fees in Schedule of Classes.)
- Complete the required application packet which consists of:
  1. Application form, including a recent photograph.
  2. Copies of high school and college transcripts.
  3. A TOEFL examination with test scores sent from the testing service to Yuba College (minimum score of 152 on the Computer-based test, or 53 on the Internet-based test is required).
- A certified financial statement, showing evidence of support, in U.S. dollars, for the duration of the program.
- A letter of recommendation.
- A certificate of health to include a special test for tuberculosis.
- A $25 Application Processing Fee.

Only those students who agree to each of the above requirements and meet the above criteria will be considered for admission to Yuba College. Applicants who are accepted to Yuba College will be mailed the Immigration and Naturalization Form I-20.

Student Success Act of 2012

The Student Success Act of 2012, which provides legislative guidelines for the creation of the Student Success and Support Program, requires that all entering students complete Orientation, Assessment and a Student Education Plan. For more information visit the California Community College Chancellor’s Office website at www.cccco.edu and view SB 1456 or Student Success Act of 2012.

All entering students must complete the following Student Success and Support Program matriculation steps:

- Complete the online admissions application
- Complete the placement (unless exempt)
- Have high school and/or college transcripts sent to the Admissions and Records Office at the Yuba College campus
- Complete the online orientation
- Meet with a counselor to discuss and develop an educational plan and select appropriate classes for registration

Exemptions: Students may be exempt from the placement, orientation and/or counseling components of matriculation if they meet certain criteria. Students seeking an exemption from any part of the matriculation process must submit an exemption form. The student’s statement on the exemption form may require verification. Exemption forms are available at all counseling offices. (Administrative Procedure 5055 provides information for the Enrollment Priorities process. Effective the Summer/Fall 2014 registration period the Enrollment Priorities criteria changed and students should review the administrative procedure to attain the current policy requirements: http://www.boarddocs.com/ca/yccd/Board.nsf/goto?open&id=A7E2FU020616)

Enrollment Priorities

Students should acquaint themselves with College policies and procedures, study this Catalog and the Schedule of Classes, consider the curricula carefully, and plan the courses needed for their major(s), degree and transfer including electives before registering online through WebAdvisor.

Students must assume complete responsibility for fulfilling all requirements to meet planned objectives. Students on probation should carefully consider the consequences of their status when planning for registration. Assessment services include counselor appraisal of previous college and/or high school work (transcripts should have been sent to the College), as well as, placement, and other information such as number of hours working, etc., that may have an effect on student goals. Assessment is used to advise students about courses and services most appropriate to their skills, educational backgrounds and career goals. (See also “Placement” section for other information.)

Registration Procedures

Student Responsibility Regarding Registration

Students should acquaint themselves with College policies and procedures, study this Catalog and the Schedule of Classes, consider the curricula carefully, and plan the courses needed for their major(s), degree and transfer including electives before registering online through WebAdvisor.

Students must assume complete responsibility for fulfilling all requirements to meet planned objectives. Students on probation should carefully consider the consequences of their status when planning for registration. Assessment services include counselor appraisal of previous college and/or high school work (transcripts should have been sent to the College), as well as, placement, and other information such as number of hours working, etc., that may have an effect on student goals. Assessment is used to advise students about courses and services most appropriate to their skills, educational backgrounds and career goals. (See also “Placement” section for other information.)

Enrollment Priorities

Administrative Procedure 5055 provides information for the Enrollment Priorities process. Effective the Summer/Fall 2014 registration period the Enrollment Priorities criteria changed and students should review the administrative procedure to attain the current policy requirements: http://www.boarddocs.com/ca/yccd/Board.nsf/goto?open&id=A7E2FU020616

Maximum Unit Load

The average student load is twelve (12) to sixteen (16) units per semester. In any case, nineteen (19) units is the maximum load which is allowed. Units in excess of nineteen (19) are allowed only for the most urgent reasons and on the basis of counselor approval.

Eight (8) units is the maximum in which a student may register during the summer session without counselor approval.

Change in Enrollment

Students wishing to change their course enrollment may add or drop classes using WebAdvisor registration, or by submitting the appropriate forms to the Admissions and Records Office. Full-term courses may be added during the late registration period (see “Schedule of Classes”), later only in special cases and with instructor approval.

ENROLLMENT FEES. Enrollment fees for classes that are dropped on or before the refund deadline (Friday ending the second week of instruction for full-semester classes or ten percent of a short-term class) are credited to the student’s account (see “Refund” section).
Registration Procedures

Placement

The purpose of placement is to assess each student’s skills in mathematics, reading and English and determine the appropriate course placement in each discipline. The placement evaluates each of the student’s reading, mathematics, and writing skills based on the student’s GPA and other information supplied by the student. The placement system is designed to place students into courses in which they may build on their current skills and advance through the curriculum at the pace best suited to their needs and abilities. Students with disabilities or special placement needs should discuss options and accommodations with a counselor or Disabled Student Program and Services staff. The Yuba College Placement and Testing Center complies with the provisions of the Americans with Disabilities Act.

The following students are required to complete the Placement prior to enrolling in classes:

• students who plan to enroll in English and mathematics courses or courses with a heavy writing, reading or math content
• students who plan to graduate or transfer units to another institution
• high school students participating in dual enrollment desiring to take English or Math courses.

Placement Levels: Placement scores identify the course level appropriate for each student’s level of academic skill in English, mathematics, and reading. After successfully completing the placement-level course, students advance to the next level and continue to progress until degree requirements are met. All students are encouraged to seek counselor advice in selecting courses appropriate for their educational goals.

Placement Exemptions: Students who have completed transfer level math and/or English classes at another college may be exempt from the placement. Students will need to provide official transcripts to the Records office to receive credit for courses completed. Students will also need to provide unofficial transcripts to the counseling office for their Education Plan development and prerequisite exemption.

Scheduling Placement: Placement is offered at all locations of Yuba College. Students who are required to complete Placement should contact the Placement and Testing Center at Yuba College (530) 741-6864, Beale AFB Outreach Services (530) 788-0973 or Sutter County Center (530) 751-5620.

Placement Levels

Placement scores identify the course level appropriate for each student’s level of academic skill in English, mathematics, and reading. After successfully completing the placement-level course, students advance to the next level and continue to progress until degree requirements are met. All students are encouraged to seek counselor advice in selecting courses appropriate for their educational goals.

Placement Exemptions:

• high school students participating in dual enrollment desiring to take English or Math courses.

Placement Levels for BSTEM Programs

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<td>1300-1399</td>
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<td>1500-1599</td>
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Considerations:

• Utilize cumulative HS GPA, choose weighted or unweighted based on higher placement per AB705.
• Student must have a C- or above to meet criteria.

Placement Levels for Liberal Arts Programs

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Considerations:

• Utilize cumulative HS GPA, choose weighted or unweighted based on higher placement per AB705.
• Student must have a C- or above to meet criteria.

ADVISORY PLACEMENT LEVELS FOR COURSES REQUIRING COLLEGE-LEVEL SKILLS

Many “entry level courses” that are numbered 1-99 carry credit units that apply toward the associate degree have advisory skills for successful participation. It is recommended that students meet the language, math and computer requirements if they plan to enroll in any course with a description that includes an “L”, “M” and/or “C”.

The (L) designation means that the content of the course is such that the student must have college-level language skills to successfully complete the course. Students may meet the requirements for the (L) courses by one of the following:

1. Achieving an English placement level of 1105,
2. Achieving a grade of “C” or better in English 51 or 56,
3. Achieving eligibility to enroll in English 1A, 1B, or 1C,
4. Possessing an A.A. or A.S. degree or higher.

The (M) designation means that the content of the course is such that the student must have college-level math skills to successfully participate in the course. Students may meet the requirements for the (M) courses by one of the following:

1. Achieving a math placement level of 2105 or higher,
2. Achieving a grade of “C” or better in Math 101 or Math 101B,
3. Achieving eligibility to enroll in Math 51, 52, 55, or 56,
4. Possessing an A.A. or A.S. degree or higher.

The (C) designation means that the content of the course is such that the student must have computer literacy skills to successfully complete the course. Students may meet the requirements for the (C) courses by having basic computer skills.

Schedule of Classes

The Schedule of Classes is published each semester. The Schedule includes registration procedures, course information, critical deadline dates, the official Academic Calendar, and other important information for students.
Student Fees and Expenses

All fees quoted below are those known at the time this Catalog went to press.

STATE-MANDATED ENROLLMENT FEE: All students (unless at the time of registration they qualify for exemption* under State mandates) are subject to an Enrollment Fee. These fees are established by the State legislature and are determined at the time of enrollment by the student’s unit load. The current fee is $46 per unit.

*Exemptions: State regulations provide the following three programs to help eligible low income students with California residence status to have the Enrollment Fee waived.

CALIFORNIA COLLEGE PROMISE GRANT (CCPG) Formerly known as Board of Governors Fee Waiver: Beginning the 2018/2019 aid year, the Board of Governors Fee Waiver (BOGFW) was renamed the California College Promise Grant (CCPG). The California College Promise Grant is a state sponsored program, which waives enrollment fees for qualifying students.

- California College Promise Grant (CCPG) Program A. For any student who, at the time of registration, is a recipient of TANF (Temporary Assistance for Needy Families) and/or SSD (Supplementary Security Income) or the (Supplementary Program); (3) General Assistance/General Relief Program; or (4) The California Department of Veteran Affairs or the National Guard/Adjugant General's Certification of Eligibility for a dependent's fee waiver.

- California College Promise Grant (CCPG) Program B. For low income students who meet eligibility requirements.

- California College Promise Grant (CCPG) Program C. For low income students who qualify for Financial Aid.

Prior to registration, students in any of these categories should obtain the appropriate application materials from the Financial Aid Office for exemptions.

STUDENT SUCCESS ACT OF 2012: In an effort to help students succeed in the California community colleges, the Student Success Act of 2012 (California Senate Bill 1456) was signed into law by Governor Brown. Among other aspects, the Act included the creation of minimum academic and progress standards that must be met for continued eligibility for the California College Promise Grant (CCPG). These are different and separate standards from those for student federal aid and Cal Grants.

Effective Fall 2016, California Community College students receiving the California College Promise Grant must meet minimum academic and progress standards to remain eligible for the CCPG.

Students Must:
- Maintain a cumulative GPA of 2.00
- Successfully complete at least 50% of all units attempted

Measurement of these standards began in fall 2016.

Students not meeting the new standards are notified within 30 days of the end of each term. Students will be placed on either Academic (GPA) and/or Progress (Course Completion) probation. The notification will include an alert that a second term of probation will result in loss of CCPG eligibility. After the second consecutive term of probation, students may lose eligibility for the CCPG for their next registration opportunity.

How to regain eligibility: If CCPG eligibility has been lost, there are ways to have it reinstated:
- Improve GPA or Course Completion measures to meet the academic and progress standards
- Successful appeal regarding extenuating circumstances
- Not attending the same college district for two consecutive terms (fall/spring semesters, or fall/winter/ spring quarters)

The appeals process for extenuating circumstances includes:
- Verified accidents, illness or other circumstances beyond student’s control
- Changes in economic situation
- Economic inability to obtain essential support services
- Special consideration factors for CalWORKs, EOPS, DSPS and veteran students
- Disability accommodations not received in a timely manner

Foster youth and former foster youth (age 24 years and younger) are not subject to loss of the CCPG under these regulations. Contact the Financial Aid Office or Registrar at Yuba College or visit www.yccd.edu/educational-services/bog.aspx

NONRESIDENT/NON-CITIZEN TUITION: Students who wish to establish California residence in accordance with state regulations (see “Residency” section), will be required to pay the Nonresident Tuition Fee of $280 per unit. Students who are both citizens and residents of a foreign country are required to pay $280 per unit.

STUDENT HEALTH FEE: All students are required to pay a $10 Student Health Fee each semester/summer session. Students who depend exclusively upon prayer for healing in accordance with a bona fide religion, sect, or denomination (upon written verification from an authorized church official) are exempt from paying the Student Health Fee. This church document must be submitted to the office of the Vice-President of Academic and Student Services for the exemption.

PARKING FEE: Students who drive vehicles on campus will pay a Parking Fee and be issued a decal. The cost is $40 per semester; $20 for summer session. As an option, students may purchase a $2 daily parking permit in lieu of a semester decal. The Parking Fee covers day and evening campus attendance. All non-students participating in campus Parking Lots and Garages must display either a valid semester parking decal or a $2 daily parking pass.

Parking fees are nonrefundable after the fourteenth calendar day of the fall-semester.

ASSOCIATED STUDENTS OF YUBA COLLEGE (ASYC): The Associated Students of Yuba College collect a voluntary annual A.S.Y.C. Fee of $10 per semester, $5 per semester for services and benefits. Per AB 1504, students have the option to support student government. For a $2 fee, students may avoid the parking permit, and a refund will be posted to the student’s account, less an administrative processing fee.

REFUNDS: ENROLLMENT/SERVICE FEES/ NONRESIDENT TUITION: Enrollment fees can be paid by cash, check, money order, debit card or credit card. YCCD accepts Visa, Master Card, Discover and American Express.

Students can request a refund of their student fees through the online request form in WebAdvisor. Please allow four weeks for processing. A $10 processing fee is charged for refunds. This amount will be deducted from the refund amount.

Students are eligible for a refund of these Fees if the procedures below are followed.
- The student officially drops the class or on before the refund deadline (Friday ending the second week of instruction for full semester classes or ten percent of a short-term class).
- The drop(s) reduces the student’s currently enrolled units.

Refund dates vary for each short term class (see refund deadline information listed in the Schedule of Classes). Dropping before the refund deadline date for the class determines whether or not a credit may be refunded.

If students paid enrollment fees and subsequently were approved for fee waiver, there is no credit shown on the student account for which to request a refund, contact Admissions and Records at Yuba College or the Sutter County Center.

If fees were paid by cash/check, the refund will be issued by check to the student.

If fees were paid by credit card or debit card, the re- fund will be processed back to the same card unless the transaction is unsuccessful, in that case the refund will be issued by check to the student.

Students have questions regarding a refund process, should contact the YCCD Fiscal Services Department at cashier@yccd.edu.

At the end of each fiscal year any credits on the student account will first be applied to other outstanding fees. Any remaining credits will be issued by refund to the student. It is the student’s responsibility to provide and maintain a current address and telephone number information through WebAdvisor or through the Admissions and Records Office.

PARKING PERMIT: Students who withdraw from classes before the thirteenth day of the semester may apply for a refund of their parking permit. The parking permit must be returned to the Campus Police Office to qualify for the refund. At that time, the Campus Police will void the parking permit, and a refund will be posted to the student’s account, less an administrative processing fee.

During the first twelve weeks of the Spring, Summer & Fall semesters, students may request a refund of the Student Parking Fee under the following circumstances:
- The student officially drops the class or on before the refund deadline (Friday ending the second week of instruction for full semester classes or ten percent of a short-term class).
- The drop(s) reduces the student’s currently enrolled units.

Refund dates vary for each short term class (see refund deadline information listed in the Schedule of Classes). Dropping before the refund deadline date for the class determines whether or not a credit may be refunded.

If students paid enrollment fees and subsequently were approved for fee waiver, there is no credit shown on the student account for which to request a refund, contact Admissions and Records at Yuba College or the Sutter County Center.

If fees were paid by cash/check, the refund will be issued by check to the student.

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FINANCIAL AID

The role of the Financial Aid Office is to help eligible students pursue their educational goals. The objective is to provide funds and services to eligible students, following institutional, state and federal regulations. Financial Aid offices at Yuba College and the Sutter County Center. For questions call (530) 749-7999 or visit the website at yc.yccd.edu/studentfinancialaid

Criteria and Procedures for Financial Aid

The application form to be used for most financial aid programs is the Free Application for Federal Student Aid Program (FAFSA). In order to determine “need” for financial aid funds, taxable and nontaxable income information is necessary. Award funds are made based on this need. Income, assets, debts, size of family, and number of family members in college are important factors considered in the calculation. This information is reported on the application form and forwarded to the central processor for further processing. Supporting documentation is required based on Federal regulations.

Deadline for Filing Financial Aid Applications

Applications for each academic year are available as early as October 1st, and are processed on a first-come, first-served basis. All awards are based on student eligi- bility and available funds. To be able to receive Financial Aid funds, eligible students must have a complete file with the Financial Aid Office at Yuba College by the last day of instruction of the academic year. This may include the verification process.

Satisfactory Academic Progress

Students awarded financial aid funds are required, by Federal regulations, to make satisfactory academic progress towards achieving their Financial Aid approved educational goal. The specific requirements are described and included in the Yuba College Financial Aid Guide available at the Financial Aid Office and posted on the Financial Aid website at yc.yccd.edu. Academic Progress towards the students’ identified educational goal is required in order to continue receiving funds. Failure to make academic progress or be enrolled in required courses to achieve the educational goal may result in termination of Financial Aid.

RETURN TO TITLE 4 (R2T4). Students who drop or completely withdraw from classes prior to completing 60% of the term may be required to repay any unearned federal funds to Yuba College or to the Department of Education, per Federal regulations.

Programs Available to Yuba College Students

- Scholarships. Many scholarships are available to help students meet the cost of their education. These scholarships become available through private support from individuals and organizations in the Yuba College community who have contributed to scholarship funds.
- Grants. Federal, State, and Institutional grant programs are available to eligible Yuba College students. These funds are based on financial need criteria and eligibility and paid two times per semester. Included are Federal Pell, Federal SEOG Supplemental Educational Opportunity Grant, BIA (Bureau of Indian Affairs) Grant, EOPS (Extended Opportunity Program and Services) Grant, CARE (Cooperative Agency Resources for Education) Grant, Chafee Grant, Cal Grants B and C, and full-time Student Success Grant.
- College Promise Program. Starting in Fall 2019, the Yuba College Promise Program will pay tuition for all new, first-time, full-time college students up to 15 units per semester. All first-time college students, including students who earned college units while still in high school who:
  - are California Residents or AB 540 eligible
  - complete a FAFSA or CA Dream Act Application,
  - enroll in and complete 12 or more units.
- California College Promise Grant (CCPG). Formerly known as the Board of Governor's Fee Waiver (BOG)
  - Title IV waiver of student fees provided by the CCPG Program is designed to ensure that the fee policies of California Community Colleges (CCC) are not a financial barrier to education for any California resident or eligible non-resident. Enrollment fees for CCC students are determined annually by the Legislature and the Governor and can be adjusted whenever it is deemed appropriate. Those fees are waived for needy students as defined by the CCPG program through appropriations assessed in the annual state Budget Act. The CCPG application may be completed in lieu of, or in addition to, the FAFSA or Dream Act Application to qualify for the CCPG and/or other student service programs and benefits (EOPS/CARE, etc.).
- Work Study. The Federal Work Study (FWS) Program provides jobs for eligible students awarded FWS funds as part of their financial aid package. An award offer is not available. See the Federal Work Study section of the Financial Aid Office for additional information.
- Direct Loans. Contact the Financial Aid Office for information on Student Loans.

AB 540 and the California Dream Act

The Law: AB 540 authorizes any student, including undocumented students, to meet specific criteria to pay instate tuition at California’s public colleges and universities.

AB 540 Eligibility Requirements:

- Attended a combination of California high school, adult school, and community college for the equiva- lent of three (3) years or more.
- Three (3) or more years of California high school coursework and attended a combination of Cali- fornia high school, the community college, and high school of three (3) years or more. AND
- Graduated with a California high school diploma or have the equivalent (i.e. California-issued GED, CHSPE) or
- Completed an associate’s degree from a California Community College or
- Completed the minimum requirements at a Califor- nia Community College for transfer to the California State University or the University of California. California.
- Must have registered or currently be enrolled at an accredited institution of higher education in California.
- Must have filed or will file an affidavit stating that they will apply for legal residency as soon as possible; and
- May not be a non-immigrant holding a valid lettered non-immigrant Visa 5.

AB 540 Affidavit - “California Non-Resident Tuition Exemption Request”

In order to receive the exemption from non-resident tuition, students must obtain, complete, and submit the AB 540 Affidavit to the Admissions and Records Office. Students may be required to submit additional documentation such as high school transcripts and appropriate records of high school graduation or the equivalent.

The California Dream Act

AB 130 allows students, who meet AB 540 criteria (California Education Code 68130.5(a)), to apply for and receive non-state funded financial aid for public colleges and universities; AB 131 allows students, who meet AB 540 criteria, to apply for and receive state-funded financial aid such as institutional grants; California College Promise Grant, Cal Grant and Chafee Grant. Therefore, AB 540 students are allowed to apply for the following types of financial aid:

- California College Promise Grant (CCPG) - Formerly known as the Board of Governors Fee Waiver (BOG)
- State financial aid like Cal Grants and Chafee Grants
- Assistance from EOP/S, CARE or CalWORKs
- Privately-funded scholarships

If eligible for AB 540, students must:

- Contact the Admissions and Records Office to complete the AB 540 form and provide the required documentation to establish eligibility
- Contact the Financial Aid Office to determine the next steps to take
- Students who do not have a Social Security Number need to complete the FAFSA at: www.fafsa.gov
- Students who do not have a Social Security Number need to submit a California Dream Act application available at: https://dream.ca.gov/

As of October 5, 2017, Senate Bill 68 was approved, which expands AB 540 to enable students to count years spent at a California Community College and Adult School towards AB 540 eligibility. Additionally, the bill allows the completion of an Associate’s Degree or satisfaction of the minimum requirements to transfer to the University of California (UC) or California State University (CSU) to meet the degree or units requirements, which expands possibilities for a student to qualify for in-state tuition and financial aid at CCs and the CSUs.
Financial Aid

Athletics
Yuba College is a member of the Bay Valley Conference, Northern California Football Conference, California Community College Athletic Association (CCCAA), which functions as part of the Community College League of California, and participates in men’s and women’s basketball, baseball, football, men’s and women’s soccer, men’s and women’s track & field, softball, and volleyball. (Refer to page 41, "Athletic Eligibility")

Campus Police Department
We are committed to ensuring the safety of our students, staff, faculty, and just and impartial visitors. Every member of our department is involved in keeping all of the campuses safe and secure. However, a truly safe campus can only be achieved through the cooperation of all students, employees, and visitors. The Yuba Community College District covers nearly 4,200 square miles, and currently has five educational sites in five different counties. The Police Department provides professional law enforcement services at all five educational sites. These campuses include Yuba Community College, Woodland Community College, Lake County Campus, Colusa County Campus, and the Sutter County Center.

The Police Department on the Yuba College Campus is located in Warren Hall, Building 1600. The Police Department can be reached by calling 8771 from any campus phone, dialing (530) 741-6771 or (530) 870-1158 from other phones. In case of an emergency, call 911 from any phone or use one of the many emergency phones (“Blue Phones”) located on campus. The Police Department provides the following services:

Campus Patrols: The Yuba Community College District Police Department uses uniformed and non-uniformed officers to patrol the campuses in cars, on bicycles and on foot. These patrols are conducted on the roadways and walkways of the campus, as well as in buildings.

Safety Escort Service: Students who feel fearful walking on campus may request a safety escort by dialing extension 6771 from any campus phone or (530) 741-6771 from other phones. After business hours, call the Campus Police cell phone at (530) 870-1158. Provide the YCCCDPD Officer with the current location and intended destination on campus. If there are special circumstances or risks the student knows about, be sure to share them with the officer. Subject to availability, an officer will be dispatched to the students location to walk with the student to the desired destination. An officer may wish to transport the student in a vehicle if it is more practical based on conditions.

Children in Class
Attendance in a class is limited to those students who are officially registered in accordance with State and District regulations. This includes dual enrolled high school students. Children are prohibited from attending classes. Classes are limited in size, and no disruptions will be allowed in the classroom. In addition, the College assumes no liability for injuries that may occur to the child.

Vehicle Jumpstart Courtesy Service: Police vehicles are equipped with battery jumpstart systems to allow officers to attempt to assist motorists who have discharged batteries. This service is provided at no charge, subject to officer availability and is performed only if the vehicle owner accepts the risk of damage. Normally there is very little risk, however officers are not trained mechanics, and from time to time damage may occur. Persons who have insurance coverage for jumpstart service or who do not want to accept the risk of damage should call a professional mechanic.

Sex Offender Registration Program: Sex offenders are required to register the first five days of the semester they have registered for classes. The registration remains on file during consecutive semesters, but are required to unregister if they are no longer going to be attending any of the educational sites.

Jeanne Clery Disclosure: In compliance with the Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act, Yuba College publishes and distributes an annual security report. The report includes statistics for the previous three years concerning reported crimes that occurred on campus, in off campus buildings or property owned or controlled by Yuba College, and on public property within or immediately adjacent to and accessible from the campus. The report may be obtained at the Yuba College Police Office or online at: www.yccd.edu/central-services/campus-safety/jeanne-clery-report/

Police Cadet Program: The Police Cadet Program employs a diverse group of Yuba Community College District students. Its mission is to provide outreach to the campus community, while helping to deter crime, and enforcement of the district parking policy. Police Cadets provide high visibility, uniformed patrol of the campus. This includes, but is not limited to, the campus, buildings, and parking lots. They act as additional “eyes and ears” to the police department.

Vehicle Jumpstart Courtesy Service

Children in Class

2020-2021 Catalog

34
An instructor may remove a student from his or her class for the day of removal and the next class meeting. In the case of the Library, removal would be for the day and the next college day. The instructor shall immediately report the removal of the student to the College President or designee for appropriate action.

A written or verbal reprimand. An admonition to the student to cease and desist from conduct determined to violate the Student Code of Conduct. Such reprimands are given in a disciplinary conference with an administrator. Written reprimands may become part of the student’s permanent record at the college. Verbal reprimands may become part of a student’s record at the college for a period of up to one year.

Disciplinary probation. The disciplinary authority has discretion to impose an appropriate probationary period consistent with these procedures. A copy of the written disciplinary probation is filed in the student’s permanent file. In addition, if the student is a minor, a copy of the letter shall be sent to the student’s parent or guardian, and the parent or guardian shall be invited to confer with the college administrator imposing the discipline.

Immediate interim suspension. The suspension of one or more classes when required to protect lives or property and to ensure compliance of order. A student may be placed on immediate interim suspension without written notice if it is provided a reasonable opportunity for a hearing within ten (10) days of the first day of suspension.

Short-term suspension. The suspension from one or more classes for a period of up to ten (10) consecutive instructional days.

Long-term suspension. The exclusion of the student from one or more classes for more than ten (10) consecutive instructional days, or from all activities of the college for one or more additional terms.

Expulsion. The exclusion of the student by the Board of Trustees from the college indefinitely when other means of correction fail to bring about proper conduct, or when the presence of the student causes endangerment of the physical safety of others. (Education Code §76030.) A copy of the Yuba College Code of Conduct for Students may be obtained from the Office of the Vice President of Academic and Student Services and is available online on the Yuba College website under the Resources tab.

Conduct and Discipline

If a student’s conduct violates District rules or regulations, the Code of Conduct for Students, or public laws, the student will be subject to one of the forms of "sanctions" included in the Code, which are:

- Removal from class. An instructor may remove a student from his or her class for the day of removal and the next class meeting. In the case of the Library, removal would be for the day and the next college day. The instructor shall immediately report the removal of the student to the College President or designee for appropriate action.

- A written or verbal reprimand. An admonition to the student to cease and desist from conduct determined to violate the Student Code of Conduct. Such reprimands are given in a disciplinary conference with an administrator. Written reprimands may become part of the student’s permanent record at the college. Verbal reprimands may become part of a student’s record at the college for a period of up to one year.

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A copy of the Yuba College Code of Conduct for Students may be obtained from the Office of the Vice President of Academic and Student Services and is available online on the Yuba College website under the Resources tab.

Dress Regulations

Based on the YCCD Student Code of Conduct, Yuba College students are expected to demonstrate maturity and exercise good judgment and taste in everyday attire. Whatever the student’s judgment, however, every individual is required to wear top and bottom clothing at all times and footwear in all campus buildings. Specific footwear may be required in specific areas of the campus due to safety and/or potential damage to the flooring. Additional dress regulations may be imposed upon students participating in certain programs or extracurricular activities sponsored or organized by the college.

Drug Free School Policy

The District recognizes that substance abuse is a major health problem throughout the United States. Therefore, in order to eliminate abuse, the entire college community must be involved. The single consistent message is that substance abuse is wrong, dangerous, and will not be tolerated. Yuba College has a “zero tolerance” policy all campuses and centers are to be alcohol and drug free.

It is the stated policy of the District to implement a comprehensive substance abuse strategy that will work more effectively in combating use and potential use of drugs by students. The policy sets forth procedures that not only expose students to awareness of the dangers of drugs and alcohol, but also encourages each individual to act to prevent the sale and use of drugs.

The following program principles have been adopted to implement this policy:

- The Student Code of Conduct, supported by Education Code Section 60041(b), prohibits the unlawful possession, use, or distribution of illicit drugs and/or alcohol by students on its property or as part of any of its activities.

- Information regarding applicable legal sanctions under local, State, and Federal law for the unlawful possession or distribution of illicit drugs and/or alcohol is available to all students through the Yuba College Campus Police Department, the Yuba College Student Health Clinic, the Student Services Department or the President’s Office.

- Educational materials regarding health risks associated with the use of illicit drugs and the abuse of alcohol are made available to all students through the Student Health Clinic. More in-depth information is available through the Chemical Dependency Program courses.

- Information regarding resources for drug or alcohol counseling and treatment are available through the Student Health Clinic.

- The Office of the Vice President of Academic and Student Services will keep records of all disciplinary actions and evaluate the consistency of all enforcement.

Music

The Music Department provides a stimulating environment nurturing discovery, development, and recognition of the creative spirit. Students can participate in various performing ensembles including Chamber Singers, Concert Choir, Jazz Band and Symphonic Band or learn to make music through classes in piano, guitar or voice. More serious students of music can fulfill the required curriculum for an AA or AA-T in Music and transfer to universities. Offering of courses also include those that meet the GE requirements, including World Music, Popular Music in the U.S., Music as Culture, Music and Jazz Appreciation, and Rock Music and Culture. The Department also offers a number of public concerts for the students and the community, including Tuesday Noon Recital Series, talent show, student recitals, ensemble concerts, public outreach concerts and more.

Recording Device Usage

The use of any electronic listening or recording device in classrooms requires the professor’s permission. If such equipment is necessary to provide reasonable auxiliary aid and academic adjustment to students with disabilities, the student should contact the Disabled Student Program and Services at Yuba College at (530) 741-6768.

Safe Zone

Yuba College is committed to creating a safe and open environment for all students, staff, and faculty. Yuba College pledges:

- To promote a positive learning environment free of bias, discrimination, intolerance and violence.

- To engage in civil and informed dialogue with those who may have different view.

- To recognize and respect the need for privacy and to comply with all related polices (FERPA).

- To act upon instances of bias, discrimination, intolerance or violence that are witnessed or reported.

- To feel physically safe and establish a sense of community through extra campus security and consolidate evening classes to populated and common areas on campus.
Smoking and Tobacco/Nicotine Use Policy

In the interest of public health, Yuba Community College District and its colleges became a tobacco/nicotine free campus effective August 2016. This policy applies to all employees, students, vendors, volunteers and visitors. Use of any form of tobacco/nicotine is prohibited at all times in the following areas:

• On all owned, rented, and leased Yuba Community College District properties, grounds and buildings within the Yuba Community College District.
• In all Yuba College and Yuba Community College District owned, rented and leased vehicles and mobile equipment.

This prohibition includes but is not limited to cigarettes, cigars, bidis, pipes, hookah, electronic cigarettes and smokeless tobacco/nicotine products.

Student Complaints and Grievances

Student Due Process: Complaints and Grievances

Yuba College is committed to serving students in a respectful, fair, and equitable manner. District policies protect the rights of all members of the campus community and ensure every student a fair opportunity to pursue their academic goals. The procedures outlined below are available to any student who believes they have been subjected to an unjust action or decision that has adversely affected his or her rights as a Yuba College student or is not in compliance with College policies or state or federal laws.

Student complaints are classified into four categories:

1) Grade changes
2) General complaints and grievances;
3) Discrimination and harassment complaints; and
4) Complaints to external agencies.

Complaint Process:

Step 1: Meet with the instructor or staff member to discuss the complaint.

Step 2: If the student is unable to resolve the concern with a faculty member, meet with the Division Dean. If the complaint is about an office or service and was not resolved, meet with the supervisor of that department to discuss the concern.

Regardless of the type of complaint and as stated in step 1 above, students are first encouraged to discuss the complaint or grievance directly with the person or department responsible for the decision or action for which they have a concern (informal resolution). Informal resolution allows the faculty or staff to hear the student’s concerns and work with the student to resolve the issue. However, a student has the right to pursue a formal complaint procedures at any time. See the specific types of complaints below for formal resolutions steps.

Types of Complaints:

Grade Changes: Administrative Procedures 4231 outlines the process by which a dispute of a final grade for a course may be resolved in a fair manner and in accordance with state law. Students should note that the determination of the student’s grade is final in the absence of mistake, fraud, bad faith or incompetence (Education Code 70224).

The request for a grade change should be initiated within the semester following the posting of a disputed grade. Students seeking a grade change should contact the instructor and request a grade change. If the instructor does not agree with the grade change request, the student should then meet with the appropriate dean. If the above process does not lead to resolution, a student has the option to submit a Grade Change Appeal Form to initiate the Formal Grade Change Resolution Process by the Academic Standards Committee. Grade appeals shall be made within a two-year period upon completion of the course. The Grade Appeal Form is located at: https://yc.yccd.edu/student/student-grievance/

General Complaints and Grievances: Individuals who are dissatisfied with a campus policy or procedure or with the conduct of a college employee are entitled to file a complaint. The College encourages all members of the campus community to attempt to resolve all issues informally by dealing directly with the staff and faculty involved. However, a student can file a formal Statement of Grievance form within 30 workdays of the incident or 30 workdays after the student learns of the basis for the grievance, whichever is later. Upon receipt of the Statement of Grievance, the Grievance Officer will work with the student to determine if the issue is grievable and to determine if a formal Grievance Hearing is required.

See the following documents for more information:

• Administrative Procedure 5530
• Statement of Grievance Form
• Request for Grievance Form
• Student Code of Conduct

See Administrative Procedure 5530 (http://www.boarddocs.com/ca/yccd/Board.nsf/goto?openAnd=AE72FU02616f9) for the specific procedures available to any student who reasonably believes a college decision or action has adversely affected his or her status, rights or privileges as a student. The procedures shall include, but not be limited to, grievances regarding:

- Sex discrimination as prohibited by Title IX of the Higher Education Amendments of 1972
- Sexual Harassment
- Financial Aid
- Illegal Discrimination
- The exercise of rights of free expression protected by state and federal constitutions and Education Code Section 76120.

Discrimination and Harassment Complaints: Students, employees or others wishing to file a complaint of discrimination on the basis of ethnic group identification, religion, age, gender, sexual orientation, color, or physical or mental disability or any other category of unlawful discrimination should contact the Chief Human Resource Officer. To make an appointment call (530) 741-6976. See the following document for information:

• Administrative Procedure 3435

Title IX: Yuba College supports and complies with Title IX of the Education Amendments of 1972 which prohibits sex discrimination in admission to, or employment in, all of its educational programs and activities. Contact the Title IX Coordinator at (530) 741-6976 or the Director of the Office for Civil Rights U.S. Department of Education, Washington DC.

Complaints to External Agencies: Most complaints and grievances are resolved at the campus level. However, some issues not resolved at the campus level may be presented to the agencies below. Note that specific agencies handle certain types of unresolved complaints.

1) Institutional Compliance with Academic Program Quality and Accreditation Standards: Contact the Accrediting Commission for Community and Junior Colleges (ACCJC) at: http://www.accjc.org/complaint-process

2) Unlawful Discrimination: Contact the California Community College Chancellor’s Office at: http://californiacommunitycolleges.cccco.edu/ComplaintsForms.aspx

Theatre Arts

The Theatre Arts Department aims to provide its students with basic knowledge of the theater. Courses are integrated around the central idea of learning and producing. Work in acting technique, design, costuming, makeup, lighting, technical production, and other crafts are all taught in theory and practice in the production of a variety of plays. The Department offers several plays for students and the public during the academic year.
If Yuba College decides not to amend the record as requested by the student, the College will officially notify the student of the decision and advise the student of the right to a hearing regarding the request for amendment. Additional information requested by the student will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosure of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent.

Directory information is given out only when it is necessary or appropriate to do so in the opinion of a member of the Student Services professional staff; a request to limit Directory Information must be made by a student within seven calendar days of registration. Directory information includes name, major field of study, participation in officially recognized activities and sports, date and height if a member of an athletic team, degrees and other academic awards received.

If a student wishes to do so, the student should see a counselor to start the process. The student folder contains copies of high school and college transcripts (if they were sent to YCCD by the student) and other data that may be important for student guidance. The College transcript includes summary information from other colleges attended when those transcripts have been sent to the College for evaluation. These records are available for review by the student with the counselor or Student Services administrator.

If this step does not cover the types of records requested, the student should submit to the Dean, Student Services, a written request that identifies the record(s) the student wishes to inspect. Staff will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by Student Services, the staff will advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student’s education records that the student believes are inaccurate or misleading.

Students may ask the College to amend a record that they believe is inaccurate or misleading. The student should write the College official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it is inaccurate or misleading.
Academic Regulations and Information

Academic Regulations and Information

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<th>AP Exam</th>
<th>UC Course Equivalent or Elective</th>
<th>UC GE Area Credit</th>
<th>UC Units</th>
<th>CSU GE-B Area Credit</th>
<th>CSU GE-B Units</th>
<th>IGETC Area Credit</th>
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<th>UC Quarter Units</th>
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<td>3A</td>
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<tr>
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<td>3B or 3C</td>
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<td>3B or 4</td>
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<tr>
<td>French Language and Culture [first taken Fall 2009 and later]</td>
<td>FRENCH 1 and 1</td>
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<td>3B or 4</td>
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<td>3B or 3C</td>
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<td>3B or 3C</td>
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<td>3B or 3C</td>
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<tr>
<td>Physics C (electrical)</td>
<td>PHYS 4A</td>
<td>Recent Science</td>
<td>6</td>
<td>3</td>
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<td>3B or 3C</td>
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<tr>
<td>Physics C (mechanical)</td>
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<td>Recent Science</td>
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<td>3B or 3C</td>
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<td>HIST 1A and HIST 5A</td>
<td>Social Science</td>
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<td>3B or 3C</td>
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Academic Regulations and Information
Credit By Examination (Challenge)

A currently, or formerly, enrolled student may take a special examination to earn credit or to meet a prerequisite. If the challenge is at a campus or center, it must be a course offered at that campus or center. If the course is successfully challenged for credit, a "P" grade will be awarded. To be eligible to challenge a course a student must:

1. Not be enrolled in the course;
2. Not have completed nor be enrolled in a more advanced course;
3. Have completed at least 12 units from Yuba College with a GPA of 2.0 or higher;
4. Have approval from the appropriate division Dean and recommendation from the instructor teaching the course to be challenged.

To request a challenge, a student must submit a Petition for Credit by Examination to the appropriate Dean. Credit by examination is not applicable to all courses. A course may be challenged only once unless the Dean or the Vice President determines the existence of extenuating circumstances.

Credit For Military Experience

Upon application, the College will evaluate military records to determine if a student may be awarded elective credit for military service. The service person must have spent at least four months in active service and have a discharge other than dishonorable. These units will satisfy the Health/Physical Education/KINES requirements.

Military Experience

The Yuba Community College District Board of Trustees, in granting access to College computers and networks, expects that students, in the use of these systems, will adhere to legal and ethical standards consistent with the College’s Mission. The Board hereby directs the administration to develop regulations and procedures setting forth the specific responsibilities and obligations related to the College’s computers and networks. The administration shall also establish disciplinary procedures to enforce this policy that are consistent with policies and laws governing the conduct of students.

Directory Information

Student records are maintained in compliance with applicable federal and state laws relating to the privacy of student records. Any currently enrolled or former student of the District has a right of access to and all student records relating to him or her maintained by the District.

No District representative shall release the contents of a student record to any member of the public without the prior written consent of the student, other than directory information, and information sought pursuant to a court order or lawfully issued subpoena, or as otherwise authorized by applicable federal and state laws.

Directory information shall include: name, major field of study, student participation in officially recognized activities and sports, weight, height, of athletic team members, degrees and awards received by students, including honors, scholarship awards, athletic awards and Dean's List recognition (See BP 5040). However, Directory information is given out only when it is necessary or appropriate to do so in the opinion of a member of the Student Services professional staff.

Students wishing to limit directory information release even more may file a request at the Admissions and Records Office within seven calendar days of registration.

Examinations

Midterm and Final Examinations may be given in all courses. Final Examinations in full-semester courses are given as listed on the Final Examination Schedule. No student exception may be allowed to the Schedule except upon approval of an individual Student Petition by the Academic Integrity Committee. Such exceptions will be allowed only in the case of extreme emergency.

Exemption from Regulations

A student wishing to claim exemption from any regulation of the College must file a written Student Petition with the Dean, Student Services, as appropriate.

Financial Obligations

Student records will be withheld and all student loans/aid privileges canceled in the case of a student failing to meet financial obligations to the College, including failure to pay Enrollment Fees, Tuition, Child Care charges; return library materials/pay library fines; return or pay for athletic equipment; pay loan or scholarship fund obligations; return/replace any College equipment for which responsible.

Graduation Deadlines

Yuba College has a formal graduation ceremony once a year (at the end of the spring semester).

Students earning an AA or AS degree must apply for the degree by completing a petition for graduation form in person at the Counseling Department or Admissions and Records or online. Courses may be in progress at the time of application for the degree. The deadlines are as follows: Nov. 15 for fall completion of the degree; April 15 for spring completion of the degree; July 1 for summer completion of the AA/AS degree.

Students earning an AA-T or AS-T degree must apply for the degree by completing an associate degree for transfer graduation petition form in person at the Counseling Department or Admissions and Records or online. Courses may be in progress at the time of application for the degree. The deadlines are as follows: Sept. 15 for fall completion of the degree; Feb. 15 for spring/summer completion of the degree. These dates are designed to meet California State University (CSU) deadlines for verifying eligibility for AA-T or AS-T degree for CSU admission purposes.

Grade Point Average (GPA)-Computing

The GPA is computed by dividing the total grade points by the total units attempted in the following manner:

1. Grade points are computed by multiplying the number of units represented by an individual course by the grade point value assigned to the grade. For example, a 3-unit course with a grade of "B" is 3 grade points (3 x 2 = 6) or 9 grade points (3 x 3 = 9) for the course attempted.

2. The number of total grade points earned in all courses is divided by the total number of units attempted. The result is the GPA.

Grading

The grading system is as follows:

Grading System

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>A</td>
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<tr>
<td>B</td>
<td>3</td>
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<tr>
<td>C</td>
<td>2</td>
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<tr>
<td>D</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
</tr>
</tbody>
</table>

Other Notations Definition

Passing grade: "P" is awarded for work completed at the "C" or better level. Students earn no grade points, but they do earn the unit(s). Coursess with a "P" grade are not computed in the GPA.

No Pass: The "NP" is awarded for work completed at the "D" or "F" level. No units are earned for work at this level. Courses with an "NP" grade are not computed in the GPA.

SP: Satisfactory Progress towards completion of a noncredit course. This symbol is used for non-credit courses only and is not supplanted by any other symbol. Courses with an "SP" grade are not computed in the GPA.

AU Audit: Students do not earn units, but the notation does appear on a student’s permanent record.
Students are responsible for processing appropriate documentation. An excused withdrawal occurs when a student is permitted to withdraw from a course(s) due to extenuating circumstances or specific events beyond the control of the student affecting his or her ability to complete a course(s). A student must file a petition requesting this option and attach the appropriate documentation to support the extenuating circumstance or specific event. Upon review of submitted documentation and approval of the petition, a withdrawal symbol of "EW" will be assigned. Excused withdrawals will not be counted in progress probation and dismissal calculation. For more information, contact the College Student Services Office. The "EW" symbol may be used as described in, and in accordance with, section 55204.

W = Withdrawal: A "W" is recorded for students who officially withdraw from a course after the end of the fourth week of the semester or 30% of term (whichever is less) or 20% deadline of the course for short-term classes.

- Full semester courses officially dropped after the end of the fourth week or 30% of term (whichever is less), 30% of term for short-term courses but prior to the end of the thirteenth week (75% of term for short-term courses), will result in "W" on the student's transcript. The "W" notation indicates the student was permitted to drop the course or was dropped by the instructor. A "W" notation carries no corroboration of quality of a student's performance and is not recorded in the calculation of grade point average.

Withdrawing for full semester classes after the thirteenth week of classes (end of 75% of term for short-term courses) must result in a grade other than a "W" (usually a failing grade). However, in cases of extenuating circumstances such as accident or serious illness, the student may petition for evidence (doctor's excuse, hospital bill, etc.) at the Dean, Student Services requesting permission to withdraw after the final withdrawal deadline. Although the "W" notation is not used in computation of grade point averages, excessive "W", "NC", "NP" or "I" notations are considered in determining Progress Probation (see "Standards for Probation" page 49). Students are responsible for processing appropriate official forms prior to the deadlines.

MW = Military Withdrawal: Special exemption—requires documentation. (See "Military Withdrawals" for documentation required.)

Temporary Notations Definition

I = Incomplete: At the end of a term, an "I" (incomplete) may be awarded by the instructor when a student has been unable to complete academic work for unforeseeable, emergency, and justifiable reasons. The incomplete signifies that the student was enrolled, has attended classes throughout the term, that only a minimal amount of course work has not been completed in the prescribed time, and there is still the possibility of earning credit.

A copy of the Incomplete Grade Report Form will be emailed to the student indicating work to be completed for removal of the "I" and alternate letter grade to replace the "I" in the event the student fails to meet the conditions for removal of the "I".

An "I" must be made up within one year following the awarding of the incomplete notation (excluding summer). A final grade will be assigned by the instructor when the work has been completed or the alternate grade will be awarded in the event the student fails to complete the work during the prescribed time period.

IP = In Progress: This symbol indicates that a course is in progress and has not yet ended.

RD = Report Delayed: This symbol indicates either the course has not yet ended, or the instructor has not yet submitted the final grade for the student in the course.

Honors List

Honors Achievement recognizes students who have maintained at least a "B" (3.0) grade point average in 12 or more graded units during that semester (does not count classes with pass/no pass grades). Honors achievement may be noted on the student's transcript.

Multiple and Overlapping Enrollment

A student may not enroll in two or more sections of the same credit course during the same term unless the length of the courses provides that the student is not enrolled in more than one section at any given time.

A student may not enroll in two or more courses where the meeting times for the courses overlap; unless:

- The student provides a valid justification, other than schedule convenience, of the need for an overlapping schedule.
- The Vice President of Academic and Student Services or designee approves the schedule.
- The student makes up the overlapping hours at some other time during the same week under the supervision of the instructor of the overlapping course.

Notification of Emergency Absence

In cases where a student may be absent for four or more days, a Notification of Emergency Absence can be requested by a student from the College (in cases of accident, sickness, bereavement, etc.). Further, it is the responsibility of the student to call instructors upon returning to make up missed course work. Call the Counseling Office for Yuba College and the Admissions and Records Office at the other sites to request the Notification of Emergency Absence.

Pass/No Pass Grading

At the option of each Division and in accordance with Title 5 regulations, some courses are offered on the Pass/No Pass (satisfactory/failing) grading basis. In those cases where a single standard of performance for which unit credit is assigned, the "P/NP" grading system shall be used to the exclusion of other grades. Units shall be awarded for meeting that standard: no units will be assigned for failure to do so. The P/NP grading is indicated in the course description section of this Catalog and Schedule of Classes.

In addition, each student will be allowed to select one course each semester from those courses in which students are usually graded on a traditional "A," "B," "C," "D," or "F" basis from the courses for which "P/NP" has been deemed appropriate in the Course Outline of Record. The selected course is in addition to such courses as the District's Colleges may have opted to offer entirely on a "P/NP" grading basis. The student should consult a counselor to discuss transferability of courses placed on the Pass/No Pass option. The student must file the appropriate form at the Administration and Records Office no later than the end of the fifth week (30%) of the semester or the end of 30% of class for short-term courses. Once the form is submitted students may not seek to return to regular grading.

The "P" notation will be awarded for work completed at "C" (satisfactory) or better level. Units earned for satisfactory achievement shall be counted toward the fulfillment of degree requirements. A grade of "D" or "F" work will result in an "NP" notation for the course. In no case will units be counted in the determination of the student's grade point average, but the "NP" will be counted in Progress Probation.

Prerequisites/Corequisites

"Prerequisite" means the preparation or previous course work considered necessary for success in a course. Prerequisites are required only for courses where specific academic background is necessary in order to assure students a reasonable chance of success in the course. Prerequisites which are listed as "required" include:

- Courses for which specific prerequisites have been validated.
- Sequential course work in a degree or program.
- Courses in which a prerequisite is necessary for transfer to a baccalaureate college. Responsibility for having met the prerequisite rests with the student.

It is the student's responsibility to be aware of and comply with the prerequisite regulations. Prerequisites are shown for each course in the Catalog and Schedule of Classes. It is the student's responsibility to check the course descriptions and not register in any class for which the prerequisite has not been completed.

"Corequisites" for a course are those courses in which a student may enroll prior to or simultaneously with the target course or sequentially with the target course. Corequisites provide the necessary skill or supplementary body of knowledge or laboratory time during the course to help assure success in the course.

Students may show they have met the prerequisite/ corequisite requirements through one or more of the following:

- Successful completion of the prerequisite course with a "C" or better grade.
- Appropriate placement score on the Yuba College Placement Examination.
- Official grade report or transcript from another college/school showing successful completion of the prerequisite with a "C" or better grade (requires a prerequisite verification form approval).
- Approved Prerequisite Challenge Form (Challenge Forms are available from the Counseling Office at Yuba College; Sutter County Center and Steale AFB Outreach Services, the forms are available from the campus administrator.)
Policy for Challenging Course Requisites
Students who wish to petition their recommended placement or the waiver of a prerequisite should be prepared to give evidence or justification why the exemption should be granted. Reasons for seeking a prerequisite challenge waiver may include one or more of the following:
• Prerequisite course is not available
• Prerequisite has not been validated
• Student has the knowledge or ability to succeed in the course without meeting the prerequisite, or
• Student believes the prerequisite is discriminatory or is being applied in a discriminatory manner.
Check with a counselor, the campus administrator, or the Dean, Student Services to obtain the required forms. Challenges to prerequisites/corequisites shall be on the approved form and filed at the location where the student registers for the majority of classes. Challenges at Yuba College should be filed with the Dean, Student Services. Challenges at other locations should be filed with the campus administrator.

Standards for Probation/Dismissal
Students are subject to “Probation” and/or “Dismissal,” for reasons of deficient scholarship, in accordance with the provisions of Sections 55031 and 55034 of Title V, California Administrative Code, and this Catalog. It is the policy of the Yuba Community College District Governing Board that no student be automatically dismissed, but that the individual case of each student subject to dismissal be reviewed by the Dean, Student Services prior to invoking action.

ACADEMIC PROBATION: A student who has attempted at least 12 semester units of YCCD classes as shown by the student’s transcript shall be placed on Probation when the student has earned a cumulative grade point average of less than 2.0 in grades earned.
LEGALLY MANDATED TRAINING
• Students may repeat courses listed in the college catalog to meet a legally mandated training requirement as a condition of continued paid or volunteer employment. These repetitions are not limited and are granted based on the college’s verification of established legal mandates. Such courses may be repeated for credit, and the grade and units shall be included for purposes of calculating the student’s grade point average. The district may claim apportionment each time the student repeats the course.

STUDENTS WITH DISABILITIES
• Course repetition for students with disabilities is subject to the course repetition limitation; however, additional repeats may be individually authorized through the DSPS Office under the following circumstances:
  1. When continuing success of the student in other general and/or special course (such as Adapted Physical Education), is dependent on additional repetitions of a specific course;
  2. When additional repetitions of a specific special course are essential to completing a student’s preparation for enrollment into other regular or special course (such as Assistive Computer Technology, LEARN 155 or LEARN 156); or
  3. When the student has a student educational contract which involves a goal other than completion of the special course in question and repetition of the course will further assist with achievement of that goal.

The previous grade and credit shall be disregarded in the computation of grade point average each time the course is repeated.

Student Classification

I. REGISTRATION STATUS

FULL-TIME STUDENT: registered for 12 or more units of credit (4 units or more in summer session).

PART-TIME STUDENT: registered for fewer than 12 units of credit (fewer than 4 units in summer session).

SPECIAL PART-TIME STUDENT: dual enrollment in high school under Education Code Section 76007 or 76002

II. ACADEMIC CLASS STATUS

FRESHMAN STUDENT—has earned to date fewer than 30 units of credit.

SOPHOMORE STUDENT—has earned to date 30 or more units of credit but has not completed all course and unit requirements for the Associate in Arts or Associate in Science, or any higher degree.

Student Definitions

• Continuing Student. A student who was enrolled in the previous semester (excluding summer session).
• First-time Student. A student who has never attended any college.
• New Student. A student who has attended YCCD but has not attended the past 3 years.
• Returning Student. A student who attended Yuba College previously, but not during the previous semester (excluding summer session) or last 3 years. If after 3 years, the student will be categorized as a new student at Yuba College.
• Transfer Student. A student who attended another institution prior to applying to Yuba College.
• Returning Transfer Student. A student who attended a Yuba College class, then attended another institution, and plans to attend a Yuba College class again.

Transcripts

A student may apply for an official transcript of college courses and records at the Admissions and Records Office. A student in good standing may receive a transcript at any time. Two copies are furnished free by the College; additional copies are $5 each. Transcripts requested “over the counter” or a “48-hour rush mail” will require a $10 “rush” fee. Transcript fees must be paid at the time of request.

Official transcripts may be requested in person, by mail, by fax, or online. For information about transcripts, contact the Admissions and Records Office at (530) 741-6720, email ycadmissions@yccd.edu, or visit the Admissions and Records Office webpage on the Yuba College website.

Students may print out their own free “unofficial” transcript copy online by logging on to the Yuba College website. Select Self-Service and follow the instructions.

Withholding of Student Records

Per Administrative Procedure 5035, the Registrar may withhold grades, diplomas, and registration privileges from any student or former student who fails to pay a proper financial obligation to YCCD. The student will be given written notification and the opportunity to explain if the obligation is in error.

Associate in Arts/Associate in Science Degree

The Associate in Arts or Associate in Science degree may be awarded to a student who has completed the following requirements:

REQUIREMENT 1: All students must pass the reading, writing, and mathematics competency examinations or equivalents listed below with a “C” or better grade.

COMPETENCY REQUIREMENTS:

1. Reading and Writing competency may be met by:
   a. Passing English 1A or 1E with “C” or better.
   b. Possession of an A.A., A.S., or higher degree at the time of admission to campuses within the Yuba Community College District.
2. Mathematics competency may be met by a “C” or better in:
   a. Any mathematics or statistics course that has Math 101 as a prerequisite; or
   b. Any higher level mathematics or statistics course.

REQUIREMENT 2: All students must complete 18 units of general education, selecting at least 3 units each from Areas A, B, C, D1 (4 units), D2 and E below with a grade of “D” or better.

AREA A. NATURAL SCIENCE (Select 3 units)

• Agriculture 45
• Anthropology 1
• Astronomy 1
• Biology 1, 10, 10L, 11, 15, 24, 24L, 25
• Chemistry 1A, 1B, 2A, 10
• Ecology 10, 12
• Geography 1
• Geology 10L, 11L, 12, 20
• Physical Science 10A, 10AL, 10B, 10C
• Physics 2A, 4A, 2B
• Plant Science 20, 22

This catalog describes the College’s graduation and transfer requirements. Not all requirements can necessarily be met at all locations where classes are offered. Students should consult the Schedule of Classes at each location to determine the types of classes available and frequency of offerings.

Associate in Arts/Associate in Science Degree

The Associate in Arts or Associate in Science degree may be awarded to a student who has completed the following requirements:

REQUIREMENT 1: All students must pass the reading, writing, and mathematics competency examinations or equivalents listed below with a “C” or better grade.

COMPETENCY REQUIREMENTS:

1. Reading and Writing competency may be met by:
   a. Passing English 1A or 1E with “C” or better.
   b. Possession of an A.A., A.S., or higher degree at the time of admission to campuses within the Yuba Community College District.
2. Mathematics competency may be met by a “C” or better in:
   a. Any mathematics or statistics course that has Math 101 as a prerequisite; or
   b. Any higher level mathematics or statistics course.

REQUIREMENT 2: All students must complete 18 units of general education, selecting at least 3 units each from Areas A, B, C, D1 (4 units), D2 and E below with a grade of “D” or better.

AREA A. NATURAL SCIENCE (Select 3 units)

• Agriculture 45
• Anthropology 1
• Astronomy 1
• Biology 1, 10, 10L, 11, 15, 24, 24L, 25
• Chemistry 1A, 1B, 2A, 10
• Ecology 10, 12
• Geography 1
• Geology 10L, 11L, 12, 20
• Physical Science 10A, 10AL, 10B, 10C
• Physics 2A, 4A, 2B
• Plant Science 20, 22

AREA B. SOCIAL SCIENCE (Select 3 units)

• Administration of Justice 10
• Anthropology 2, 3
• Counseling 33
• Early Childhood Education 3, 31
• Economics 1A, 1B
• Geography 5
• History 4A, 4B, 5A, 5B, 7, 14, 15, 16A, 16B, 17A, 17B, 29
• Philosophy 6
• Political Science 1, 2, 3, 6, 7
• Psychology 1A, 12, 22, 33, 41, 46
• Sociology 1, 2, 5, 6, 10, 30

AREA C. HUMANITIES (Select 3 units)

• Art 1A, 1B, 3A, 3B, 5, 20
• Asian-American Studies 31
• English 1B, 30A, 30B, 31B, 34, 36, 37, 38, 42, 46A, 46B
• French 1, 2
• Humanities 5, 10, 11, 20, 26A, 26B, 31, 34
• Mass Communications 3
• Music 1A, 3, 12, 15, 16, 17, 18, 35
• Philosophy 1, 2, 3, 20
• Sign Language 1, 2, 3
• Spanish 1, 2, 3, 4, 10, 20A, 26B, 36
• Speech 2
• Theatre Arts 10, 32, 33, 34

AREA D. LANGUAGE AND RATIONALITY

• English Composition 1
• English 1A, 1E
• D2. COMMUNICATION AND ANALYTICAL THINKING (Select 3 units)

• Computer Science 2, 6, 9A, 9B, 10L
• English 1C
• General Business 56
• Mathematics 1A, 1B, 9, 10, 15, 20, 21, 25, 51, 52, 52B, 55, 58, 59
• Philosophy 6, 12
• Political Science 6
• Psychology 7
• Sociology 8
• Speech 1, 3, 6, 7, 8
• Statistics 1

AREA E. ELECTIVES (Select at least 3 additional units)

1. A second course from any Area above; OR
2. Documentation of active military service (may also be used to meet Requirement 4 (Health/P.E.); OR

2020-2021 Catalog

Yuba College
All students are required to meet the General Education and Graduation Requirements. This includes courses in Spanish 20A, 20B, 36, Sociology 5, Psychology 12, Music 12, 16, 17, Humanities 5, 20, 26B, 31, Human Services 11, Inception 45A, 45B, 45C, 45D, Kinesiology courses, Philosophy 6, Physical Education courses, and Political Science 6, 7.

REQUIREMENT 3: All students must complete the designated major courses with a grade of "C" or better. Majors are listed in the section headed "Degrees and Certificates" and in the Course Descriptions section of the catalog.

REQUIREMENT 4: All students are required to successfully complete a grade of "D" or better. Health 1, 2, 4, or 13 or Kinesiology/Physical Education activities one of which must be selected from the following: Kinesiology 121, 122, 126, 127, 134, 137, 157, 157B, 159, 175, 176, 3, 4, 6, 7, 9, 10.

Note: Students who are completing degrees in Basic Police Academy, Associate Degree in Nursing, Psychiatric Technology, Radiologic Technology, or Veterinary Technology are exempt from this requirement. This requirement is not based on units or catalog rights. Most courses listed here may also be used in Area E.

REQUIREMENT 5: All students are required to meet the Multicultural Graduation Requirement (MGR) by completing three or more units from the following courses or the program requirements with a grade of "D" or better: Administration of Justice 19, Internship 45A, 45B, 45C, 45D.

General Transfer Information

Yuba 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. Yuba College students may complete all or most of their lower division general education and major preparation before transferring.

Transfer requirements and the requirements for a Yuba College Certificate of Achievement and/or Associate of Arts Degree and Associate of Science Degree program can be very different. With careful planning a student may be able to earn a certificate and/or associate degree as well as complete transfer requirements. In some specific majors, it is possible to earn an Associate of Arts for Transfer or an Associate of Science for Transfer degree. Therefore, the importance of reaching a decision regarding one's objectives as early as possible cannot be overemphasized.

Transfer requirements can vary among colleges or universities. Students are encouraged to meet with a Yuba College counselor to discuss their transfer plan and develop a comprehensive student educational plan which meets the requirements of the particular college or university to which they wish to transfer. For additional college and university transfer information, students are encouraged to meet with university representatives who periodically visit the Transfer Center, participate in Yuba College's Information Day, access transfer admission information including college catalogs online through college, university, or university system sites, and go on Yuba College sponsored field trips to colleges and universities.

Although Yuba College assists students in preparing for transfer, it is ultimately the student's responsibility to make sure that the requirements for transfer have been met. The information and requirements in the following sections are subject to change without notice.

Articulation

Articulation is a process of developing formal agreements that describe the academic credit that a degree that is accepted in lieu of specific courses at another college or that fulfill a specific statewide pattern of general education.

Yuba College has developed numerous articulation agreements with California State University and University of California campuses. These agreements may be viewed at www.assist.org. Articulation agreements have also been developed with some California private and out-of-state colleges and universities and are available on their websites. See a counselor for assistance.
The Student Transfer Achievement Reform Act (SB 1440) established an Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T) for California community college students. The AA-T or AS-T degrees are designed to provide a clear pathway to the CSU degree major. Students who are awarded an Associate Degree for Transfer (AA-T/AS-T) degree and meet the minimum admission requirements are guaranteed admission with upper division (junior level) standing to the CSU (but not necessarily to the specific CSU of choice) and are given priority admission consideration when applying to a CSU upper division (junior level) program that has been deemed similar to the degree earned at the student’s community college. Once admitted to CSU, the student will only be required to complete 60 additional transferable semester units to qualify for baccalaureate degree. In order to earn an Associate Degree for Transfer (AA-T/AS-T), students must complete:

- 60 semester or 90 quarter units of coursework eligible for transfer to the CSU, including IGETC (CSU General Education Breadth) certification.
- At least 18 units of coursework in major identified by the California Community College system aimed at helping students and faculty identify areas of emphasis as defined by the California Community College AA-T or AS-T degree with each course in the major completed with a "C" grade or better.
- A cumulative GPA of 2.0 for all CSU transferable courses completed.

Students earning an AA-T or AS-T degree must apply for graduation petition online. Courses may be in progress at the time of application for the degree. The deadlines are as follows: Sept. 15 for fall completion of the degree; Feb. 15 for spring/summer completion of the degree. These dates are designed to meet California State University (CSU) deadlines for verifying eligibility for an AA-T or AS-T degree for CSU admission purposes.

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

For up-to-date information on the Associate Degree for Transfer, contact a Yuba College counselor, the Yuba College Transfer Center, or visit www.csacalifornia.edu/transfer/degrees/aa-degrees.shtml.
Transfer Preparation and Information

CSU GE Breadth for STEM (Only for the Associate Degree for Transfer in Biology and Associate Degree for Transfer in Chemistry):

- All courses in English Language Communication and Critical Thinking.
- At least 6 units in Scientific Inquiry and Quantitative Reasoning.
- At least 6 units in the Arts and Humanities, and the Social and Behavioral Sciences.

For more details, visit: https://yc.yccd.edu/student/transfer/csu/

Transfer to University of California (UC)

Students who have enrolled in college beyond the summer following their high school graduation are considered transfer students. Transfer students 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 semester units (90 quarter units) if they meet one of the 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 were identified by the UC during the Subject, Scholarship, and Examination Requirements in the 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 in each of these required courses and earn an overall "C" (2.0) grade point 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
  - one UC transferable college course (3 semester units) in mathematical concepts and quantitative reasoning
  - 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.

Transfer Requirements and Information

U.S. History, Constitution, and American Ideals Graduation Requirement for CSU

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 Yuba College which meet this requirement include:

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 were identified by the UC during the Subject, Scholarship, 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 in each of these required courses and earn an overall "C" (2.0) grade point average in all UC transferable college coursework to be eligible to transfer.
UC Transfer Admission Guarantee (TAG)

Yuba College participates in the Transfer Admission Guarantee admission program 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, the Transfer Center or the specific UC website for Transfer Admission Guarantee information.

University of California Transfer Course Agreement

Yuba College courses which have been approved for transfer to UC are specified as "Transferable to UC" in the "Programs and Courses" section of this catalog. This information may also be accessed on www.assist.org.

A number of Yuba College 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 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 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 KINES activity courses is limited to 4 semester units; credit for ATHL theory courses is limited to 8 semester units.

University of California Transfer Opportunity Program

The Transfer Opportunity Program (TOP) is a collaboration between UC Davis and select Northern California community colleges, including Yuba College.

TOP coordinators from UC Davis Undergraduate Admissions regularly visit participating colleges to provide counseling to students on transfer admission to UC Davis, major preparation, general education, financial aid, housing, and other student services critical to academic success. Additionally, students participating in TOP will have opportunities to attend special academic and career seminars, tour the UC Davis campus, obtain evaluation of the UC Transfer Admission Planner and obtain assistance with guaranteed admission by completing a Transfer Admission Guarantee (TAG). Contact the Counseling Center to make an appointment with the UC TOP Coordinator.

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 college, university, 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 college, university, 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 a 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 of the remaining requirements is required upon transfer. See a counselor for information about IGETC.

Additional courses may be added to the Yuba College IGETC. An updated IGETC may be obtained from the Yuba College Counseling Office, the Transfer Center or www.assist.org.

IGETC Notes:

• All courses must be completed with a "C" grade or better.
• A course with a grade of "P" or "CR" may be used as long as the grading policy of the community college where the course was taken states that the "P" or "CR" grade is equivalent to a "C" grade or better. The UC will allow no more than 14 units taken with "P" or "CR" grades toward UC transfer.
• Catalog rights do not apply to IGETC. Courses must be on the UC IGETC at the time they are taken.
• Woodland Community College and Yuba College do not share IGETC patterns. If taking a course in person or online at WCC, check to see what area it satisfies on WCC’s pattern.
Transfer Preparation and Information

Transfer Requirements and Information

California Community Colleges’ Transfer Agreement with Historically Black Colleges and Universities

California Community College students may now take advantage of a new initiative that facilitates the transfer to a number of Historically Black Colleges and Universities (HBCUs).

- By completing the Intersegmental General Education Transfer Curriculum requirements (IGETC) or the California State University General Education-Breadth pattern (CSU GE-B) and obtaining a transfer-level associate degree (60 units) with a 2.5 or higher grade point average, students are guaranteed admission with junior standing to participating HBCUs.
- Students may also opt to transfer with 30 or more University of California or California State University transferable units and a 2.5 or higher grade point average. Units will be accepted for general education, pre-major or elective units.

For information on the HBCU Transfer Agreement and the participating colleges and universities, visit [www.cccco.edu.edu/hbcutransfer](http://www.cccco.edu.edu/hbcutransfer) or meet with a Yuba College counselor.

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 requirements available online and 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. Some colleges will accept Yuba College’s Associate Degree for Transfer to meet their colleges GE and major preparation. The Yuba College Transfer Center has computers with internet access for college websites and catalogs online available for students’ use. See a Yuba College counselor for assistance.

IGETC for STEM (ONLY for the Associate Degree for Transfer in Biology and Associate Degree for Transfer in Chemistry):

- **Area 1** - All courses in English Communication
- **Area 2** - All courses in Mathematical Concepts and Quantitative Reasoning
- **Area 5** - All courses in Physical and Biological Sciences

Note: The remaining courses are deferred until after transfer at which time they must be completed.
Programs and Options

The following information provides avenues to better jobs, including Articulation Agreements, Certificates of Training, Certificates of Achievement, Associate in Science Degree and Associate in Arts Degree programs. These planned programs are a sample of the occupational-technical education available at the College.

Certificate programs cannot be completed at all locations. Consult each Schedule of Classes and a counselor before selecting a particular training program.

Career Technical Education Transitions

The Career Technical Education Transitions Program at Yuba College coordinates the awarding of college credit to high school students who meet approved articulation requirements. An articulated course is one in which the high school instructor/Regional Occupational Program (ROP) and Yuba College faculty have formally agreed that the high school's/ROP course outline, syllabus, textbook, and final exam are comparable to those in a course of the same major within Yuba College. Students receive credit on a Yuba College transcript once articulation requirements have been completed. The CTE (Career Technical Education) Transitions Program prepares students to earn a certificate, an associate's degree or transfer to a baccalaureate university.

For more information about the CTE Transitions Program, contact the Yuba College CTE Transitions Office at (530) 741-6588, clectransitions@yccd.edu, visit the Admissions and Records Office at any campus, or see your counselor. Also visit the CTE Transitions website at http://www.yccd.edu/educational-services/cts/default.aspx.

Programs Articulated with ROP and Secondary Institutions

Programs listed below have at least one class articulated with area High Schools. Students should check with their counselor to see if there are any active articulations at their school. Teachers for those courses will provide students information on how to be considered for and qualify for college credit. Student can also contact the CTE Transitions Office at Yuba College (530) 741-6588.

Administration of Justice

Degree: A.S.-Administration of Justice
- Basic Police Academy
- A.S.-Corrections
- A.S.-Law Enforcement
- A.S.-T-Administration of Justice

Certificates of Achievement:
- Basic Police Academy
- Reserve Training Module I Academy
- Reserve Training Module II Academy
- Special Investigator Academy

Certificates of Training:
- Correctional Officer Academy
- Reserve Officer Level 3

Agriculture

Degree: A.S.-Agriculture

Art

Degree: A.A.-Art
- A.A.-T.-Studio Arts
- A.S.-Commercial Art
- A.S.-Photographic Imaging

Certificates of Achievement:
- Photographic Imaging

Automotive Technology

Degree: A.S.-Automotive Body Repair
- A.S.-Automotive Technology
- A.S.-Tune-Up and Driveability

Certificates of Achievement:
- Automotive Body Repair
- Automotive Drive Trains
- Automotive Emission Technician
- Automotive Service Technician
- Automotive Technology
- Transportation Engine Repair and Machining
- Tune-Up and Driveability

Biology

Degree: A.S.-Biology
- A.S.-Biology Allied Health
- A.S.-T-Biology

Yuba College Degrees and Certificates

Yuba College offers both the Associate in Arts for Transfer and Associate in Science for Transfer. See page 55 and 69 for details about the degree requirements.

Associate in Arts and Associate in Science Degrees

Yuba College offers both the Associate in Arts and the Associate in Science degrees. Students planning to obtain an associate degree must complete all the required courses for a major (16- to approximately 34 units), meet competency requirements, fulfill general education requirements and complete electives to meet a minimum totaling 60 degree applicable units. Check with counselors regarding requirements.

Certificates of Achievement and Certificates of Training

Certificate programs are designed to provide students a broad understanding of the occupational programs that the student wishes to enter upon completion of the courses they are engaged in. The Certificate of Achievement or Certificate of Training certifies that the student has completed all required courses in preparation to enter into the designated career field on their certificate. Check with counselors and individual departments regarding requirements.
Programs and Options

Business
Degree: A.S.-Accounting
A.S.-General Business Management
A.S.-Personnel Management
A.S.-Small Business Management
A.S.-T-Business Administration

Certificates of Achievement:
Accounting
Administrative Assistant
Retail Management
Small Business Management

Chemistry
Degree: A.S.-Chemistry

Communications Studies (See Speech)

Computer Science
Degree: A.S.-Computer Science
A.S.-T-Computer Science

Certificate of Achievement:
Computer Science

Culinary Arts
Degree: A.S.-Culinary Arts

Certificate of Achievement:
Culinary Arts

Early Childhood Education
Degree: A.S.-Early Childhood Education
A.S.-T- Early Childhood Education

Certificates of Achievement:
Arts Specialization
Child Development Teacher
Children with Special Needs Specialization
Diversity in ECE
Foundations in ECE Specialization
Infant and Toddler Language and Literacy Specialization
School Age Specialization
Site Supervisor
Teacher/Family Relationships Specialization
Transitional Kindergarten and Early Education

Certificates of Training:
Child Development Associate Teacher
Pediatric First Aid/ CPR

Emergency Medical Technology
Certificates of Training:
EMT-1

English
Degree: A.A.-English
A.A.-T-English

English As a Second Language
Certificate of Advancement:
Academic Preparedness and Career Development
Foundations of Literacy
Interpersonal Communication
Life Skills

Certificate of Competency:
Academic Preparedness and Career Development
Foundations of Literacy
Interpersonal Communication
Life Skills

Fire Technology
Degree: A.S.-Fire Technology
A.S.-Fire Technology-Fire Academy

Certificates of Achievement:
Fire Technology
Fire Technology-Firefighter Academy

Certificates of Training:
First Responder

General Education
Degree: A.A.-Arts and Humanities
A.A.-Communications
A.S.-Natural Science
A.S.-Social and Behavioral Sciences

Geology
Degree: A.S.-T-Geology

History
Degree: A.A.-History

Human Services
Degree: A.S.-Chemical Dependency Counselor

Certificates of Achievement:
Chemical Dependency Counselor

Kinesiology
Degree: A.A.-Kinesiology
A.A.-T-Kinesiology

Manufacturing Technology/Machining
Degree: A.S.-Manufacturing Technology/Machining

Certificate of Achievement:
Fabrication and Manufacturing Methods
Manufacturing Technology/Machining

Mass Communications
Degree: A.A.-Mass Communications
A.S.-Mass Communications

Certificate of Achievement:
Mass Communications

Mathematics
Degree: A.S.-Mathematics
A.S.-T-Mathematics

Music
Degree: A.A.-Music
A.A.-T-Music

Nursing
Degree: A.S.-Nursing (ADN)
A.S.-LVN to RN Career Mobility Program

Certificate of Achievement:
Option 2: LVN to RN Only (30-Unit Option)

Political Science
Degree: A.A.-T-Political Science

Psychiatric Technology
Certificate of Achievement:
Psychiatric Technician

Psychology
Degree: A.A.-Psychology with a Focus on Social Services
A.A.-T-Psychology

Radiologic Technology
Degree: A.S.-Radiologic Technology

Sociology
Degree: A.A.-T-Sociology

Speech
Degree: A.S.-Speech
A.A.-T-Speech

Theatre Arts
Degree: A.A.-Theatre Arts
A.A.-T- Theatrical

Veterinary Technology
Degree: A.S.-Veterinary Technology

Certificates of Achievement:
Veterinary Receptionist/Assistant

Welding
Degree: A.S.-Welding Technologies

Certificates of Achievement:
Advanced Welding Technologies
Fabrication and Manufacturing Methods
Introductory Welding Technologies

The following degrees are available at the Sutter County Center with all face-to-face courses:
- AA - Arts & Humanities (A.A.)
- GE - Communication (A.A.)
- GE - Natural Science (A.S.)
- GE - Social and Behavioral Sciences (A.S.)
- History (A.A.-T)

The following degrees are available at the Sutter County Center with 3 or less DE courses in addition to face-to-face courses:
- Small Business Management (A.S.)
- English (A.A.)

English (A.A.-T)
Associates Degrees for Transfer

Requirements for the Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T): Community college students may complete an Associate in Arts for Transfer Degree (AA-T) or an Associate in Science for Transfer Degree (AS-T) for admission into the California State University (CSU) system for completion of a baccalaureate degree. Completion of an AA-T or AS-T Degree allows a student to complete an Associate Degree and CSU transfer requirements at the same time.

This option will allow a student to earn a 120 unit baccalaureate degree by completing 60 transferable units at the community college level and transferring to a CSU campus to complete an additional 60 units.

In order to earn an AA-T or AS-T Degree, a student must refer to the specific degree pattern in the "Programs and Courses" section of the catalog and complete the courses required in the major with no grade of less than a "C" in any course. In addition, a student must complete one of two general education patterns for transfer, the California State University General Education Breadth (CSU GE-B) pattern or the Interssegmental General Education Transfer Curriculum (IGETC-CSU version). The CSU GE-B for STEM or IGETC for STEM may be completed only when specifically stated as acceptable for the Associate Degree for Transfer. Courses used to satisfy Oral Communication, Written Communication, Critical Thinking, and Quantitative Reasoning of General Education must be completed with a "C" or better grades. If necessary, a student may need to complete transferable elective credit to ensure that CSU 60 transferable units have been completed with a minimum grade point average (GPA) of 2.0.

Students earning an AA-T or AS-T degree must apply for the degree by completing an associate degree for transfer graduation petition form in person at the Counseling Department or Admissions and Records or online. Courses may be in progress at the time of application for the degree. The deadlines are as follows: Sept. 15 for fall completion of the degree; Feb. 15 for spring/summer completion of the degree. These dates are designed to meet California State University (CSU) deadlines for verifying eligibility for an AA-T or AS-T degree for CSU admission purposes.

Associates in Arts (A.A.) and Associate in Science (A.S.) Degrees

A student who wishes to receive an Associate degree should consult a Yuba College counselor. The counselor will assist the student in planning the courses required to satisfy the degree. Diplomas printed for a "general education" major will not have the major printed on the diploma. In order to receive a degree in one of the specific majors for the Associate in Arts or Associate in Science in Degree, a student is required to complete the specific courses listed with a grade of "C" or better. After successful completion of the specific major (and all other graduation requirements), the specific major for the degree will be printed on the diploma.

No courses required for the specific major may be waived. Equivalent course work may be substituted only with approval. The student should submit a petition to the Academic Integrity Committee. Petitions will be forwarded to the (division) Dean for recommendation of action.

A student may petition for only one "general education" degree. A student who is earning a degree in one of the specific majors may petition for the specific major in which all graduation requirements have been met.

Students earning an AA or AS degree must apply for the degree by completing a petition for graduation online. Courses may be in progress at the time of application for the degree. The deadlines are as follows: Nov. 15 for fall completion of the degree; April 15 for spring completion of the degree; July 1 for summer completion of the AA/AS degree.

Commencement

The College holds the graduation ceremony once a year (end of May) and students who wish their name to appear in the graduation program must submit their online petition by April 15. Students completing a degree in the prior fall semester may participate in graduation ceremonies the following spring. Students completing a degree in summer may participate in graduation ceremonies the previous spring or subsequent spring. These students who decide to participate the prior spring must submit their petition to graduate early by April 15 to have their name in the graduation program.

Certificate of Achievement

Courses taken to satisfy requirements for a Certificate of Achievement provide a core set of courses in an occupational area and usually some additional related classes. This goal requires more time and commitment, than a Certificate of Training but better qualifies the student for employment. The Certificate of Achievement requires 12 or more units and may be completed in one to two years. Certificates of Achievement are printed on the student’s transcript. NOTE: All courses required for the Certificate of Achievement must be completed with a "C" or better grade.

Certificate of Training

Each department is authorized to recommend short-term training program options and students are encouraged to plan and pursue short-term occupational goals. Certificates of Training are less than 18 units in length. Some certificates can be completed in as little time as one semester; others may require a longer period depending on the frequency of course offerings or the student’s time commitment. NOTE: All courses required for the certificate must be completed with a "C" or better grade.

Certificates of Training are not listed on the student transcript.

Applying for Certificate of Achievement (CA) and a Certificate of Training (CT)

- After completing all requirements for the certificate, with “C” or better grades, the student obtains a Petition for Certificate Card from the Admissions and Records Office.
- The student completes the petition and files it with the Admissions and Records Office.
- The Admissions and Records Office sends the petition and a copy of the student’s transcript to the appropriate Dean.
- The Dean verifies eligibility for the CA or CT. If eligible for the CA or CT, the Dean mails the certificate to the student.
- The Admissions and Records Office posts the approved CA on the student’s official transcript. (CT’s are not posted to the official transcript).
PREREQUISITES AND COREQUISITES

“Prerequisite” means the preparation or previous course work considered necessary for success in the course. Prerequisites are required only for courses where specific academic background is necessary in order to assure students a reasonable chance of success in the course. Prerequisites which are listed as “required” in the course description are absolute requirements for admission, with the following exceptions:

• Courses that are specifically exempted by statute, including “impacted” allied health programs (Radiologic Technology, Veterinary Technology, Associate Degree Nursing, Psychiatric Technician, etc.);
• Courses closed by maximum enrollment of students by the “priority registration” or “first come, first served” registration policies;
• Courses with academic requisites (prerequisites and corequisites) that restrict enrollment of academically unqualified students; and
• Courses with content that would be a repeat of a course equivalent or more advanced course work previously taken by the student (exceptions require counselor evaluation and approval).

PREREQUISITES AND COREQUISITES

“Corequisite” means the preparation or previous course work considered necessary for success in the course. Corequisites provide the necessary skill or supplementary body of knowledge or laboratory time during the course to help assure success in the course. Corequisites are listed alphabetically by department and numerically within the listing of each department. Units of credit are shown immediately following the course title.

Any corequisite must be taken before the completion of the corequisite. Any course listed in the Schedule of Classes may be canceled when the enrollment is insufficient to justify offering the class or instructor is not available.

Course “97”

Refer to page 118.

Course Numbering

JULY 1, 1974 TO JUNE 30, 1989:

1-49 Designed as courses intended to carry transfer credits to all baccalaureate degree-granting colleges and universities.

50-99 Not primarily designed for transfer purposes, but taught at the level and of such quality that acceptance is recommended at any college or university offering such course work or offering program in which such course would be appropriate.

100-199 Series: Developmental/Remedial.

200-299 Series: Primarily designed at the technical level; usually will be courses specifically designed as part of a program(s) leading directly to employment. Under special circumstances, a Baccalaureate degree-granting institution may wish to accept such courses for transfer credit.

JULY 1, 1983 TO JUNE 30, 1989:

A maximum of 6 semester units of courses numbered 100 to 199 can be counted toward the associate degree.

CURRENT COURSE NUMBERING DEFINITIONS:

1-49 Series: Designed as Admissions List courses intended to carry transfer credit to all baccalaureate degree-granting colleges and universities.

50-99 Series: Transfer credit is at the discretion of the institution to which the student transfers. Not primarily designed for transfer purposes, but taught at the level and of such quality that acceptance is recommended at any college or university offering such course work or offering programs in which such course work will be appropriate.

100-199 Series: Non-associate degree credit basic skills courses intended to prepare students to succeed in courses at the associate degree level.

200-299 Series: Non-associate degree credit courses that are either, (1) vocational courses intended to prepare students for postsecondary vocational education or for occupations not requiring associate degree level skills for entry or, (2) academic development courses, other than basic skills, intended to provide students to succeed in associate degree level course work.

500 Series: Noncredit courses sometimes referred to as “Adult Education Courses.”

Repeatable Classes

Courses designated as “repeatable” are identified as such in the Catalog and Schedule of Classes following the course description. For these courses the grade received each time is calculated in the student’s grade point average.

Courses designated as repeatable include:

1. Intercollegiate athletics where enrollment in the course is limited to no more than four times;
2. Cooperative work experience courses up to a maximum of 20 units in any combination of Work Experience (Occupational-General) and Internship enrollments; Courses for which repetition is necessary to meet the major requirements of CSU or UC for completion of a bachelor’s degree. The District will retain supporting documentation that verifies that the repetition is necessary to meet the major requirements.
Course Information

3. Students may not enroll more than four times in any combination of active participatory courses that are related in content. The college designates courses that are related in content as "families of courses". Active participatory courses are those courses where individual study or group assignments are the basic means by which learning objectives are obtained. Examples of active participatory courses include physical education, kinesiology, athletics, visual arts or performing arts. This enrollment limit applies even if the student receives a substandard grade or "W" during one or more enrollment or petitions for repetition due to extenuating circumstances.

Transfer Status Designation

As indicated previously, the course number system is a guide to course transferability. In addition, the status of a transfer course is indicated next to the course title. If the course is transferable, the designator "Transferable" appears. "Transferable to: CSU" indicates that the course credit transfers to all of the California State Universities. "Transferable to: CSU; UC" indicates that the course credit transfers to all of the California State Universities and all of the University of California campuses. If the designator "unit limitation" appears (i.e., Transferable to: CSU; UC unit limitation), the transferability of the units to the University of California are limited in some way when combined with other courses in the discipline. Questions concerning these courses should be directed to a counselor.

Unit of Credit

The unit of credit is the semester hour. One unit of credit is granted for each hour of lecture or discussion, two-to-three hours of laboratory, or two hours of activity per week, for a 18-week semester. For most courses, students will be expected to spend a minimum of two hours out of class in preparation or study for each unit of credit.

Credit is allowed only upon satisfactory completion of a course; no partial units of credit are allowed when the student withdraws prior to completion of the course except in open-entry, open-exit, courses.

Programs and Courses

Courses with a description that includes: "L" means college-level language skills are recommended, "M" means college-level composition skills are recommended and "C" means computer literacy recommended. These requisites are advisory only.

ACCOUNTING (see Business)

Administration of Justice

Administration of Justice offers academy, degree, and certificate programs designed for entry into law enforcement, corrections, and related fields, and for already employed persons to further themselves academically and vocationally.

Yuba College offers:

- Academies for direct entry into employment. All academies and inservice training are P.O.S.T. and/or S.T.C. certified, meeting California State regulations for law enforcement.
- An Associate in Science Degree Program for students planning to enter law enforcement, corrections, or a related area after two years of course work (see specific degree requirements).
- A Transfer Program intended for students wishing to pursue a bachelor's degree.
- Inservice programs providing specific courses suited to the individual needs of those currently employed by a criminal justice agency.

Administration of Justice and Corrections Programs

(Associate in Science)

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ACADEMIES

Employment in law enforcement or corrections usually requires completion of a related academy. Yuba College offers a variety of academies each year.

Students are encouraged to contact the Administration of Justice Department Office at Yuba College for current information regarding academy enrollment or employment requirements or for additional information about the courses and programs.

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ADMINISTRATION OF JUSTICE-
BASIC POLICE ACADEMY

Students who complete this program should be able to:

1. Explain appropriate investigative techniques and responsibilities at a crime scene to explain mastery of crime scene management.
2. Identify law enforcement organizational composition to include paramilitary rank structure, methods of police deployment, and resources available to police operations.
3. Explain the role of the community in partnership with law enforcement including, but not limited to, interpersonal skills of effective written and oral communication required of a law enforcement officer.
4. Explain the role of the community in partnership with law enforcement including, but not limited to, the critical thinking required of a law enforcement officer.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 50A Reserve Training Module III</td>
<td>5.5</td>
</tr>
<tr>
<td>AJ 50B Reserve Training Level III Module</td>
<td>2.5</td>
</tr>
<tr>
<td>AJ 51A Reserve Training Level II Module</td>
<td>8</td>
</tr>
<tr>
<td>AJ 51B Reserve Training Module II</td>
<td>5</td>
</tr>
<tr>
<td>AJ 52A Reserve Training Level I Module</td>
<td>13.5</td>
</tr>
<tr>
<td>AJ 52B Reserve Training Level I Module</td>
<td>2</td>
</tr>
<tr>
<td>AJ 52C Reserve Training Level I Module</td>
<td>1</td>
</tr>
</tbody>
</table>

Total units required for degree major: 37.5

Students earning an AA or AS degree must complete a minimum of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.
ADMINISTRATION OF JUSTICE
(Associate in Science for Transfer)

Students who complete this program should be able to:
1. Apply criminology and criminal justice theories, principles and concepts to address real-life situations in the field.
2. Recognize the importance of practice of legal and ethical behavior in a professional criminal justice work setting.
3. Analyze complex situations, employ a reasonable plan for resolution and devise strategies to prevent and control crime.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 10</td>
<td>Introduction to Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>AJ 11</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>AJ 13</td>
<td>Evidence</td>
<td>3</td>
</tr>
<tr>
<td>AJ 14</td>
<td>Criminal Justice Process</td>
<td>3</td>
</tr>
<tr>
<td>AJ 15</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>AJ 19</td>
<td>Multicultural Communities and the Justice System</td>
<td>3</td>
</tr>
<tr>
<td>Area B - Select at least 6-7 additional units from the following courses, OR any CSU transferable Administration of Justice lower division course or courses outside the Administration of Justice discipline that are articulated as lower division major-preparation for the Criminal Justice or Criminology Major at any CSU.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 1A</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>STAT 1T</td>
<td>Introduction To Statistical Methods</td>
<td>4</td>
</tr>
</tbody>
</table>

Total units required for degree major: 3-15

Students earning an AAS-T degree must complete 60 semester units of coursework applicable to the CSU including the CSU GE-B or CSU GE-B4 pattern and courses in the major with “C” or better grades, and achieve a minimum transferable cumulative GPA of 2.0.

CORRECTIONS
(Associate in Science)

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>AJ 10</td>
<td>Introduction to Criminal Justice System</td>
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</tr>
<tr>
<td>AJ 15</td>
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<td>3</td>
</tr>
<tr>
<td>AJ 19</td>
<td>Multicultural Communities and the Justice System</td>
<td>3</td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>PSYCH 1A</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>STAT 1T</td>
<td>Introduction To Statistical Methods</td>
<td>4</td>
</tr>
</tbody>
</table>

Total units required for degree major: 3-15

Students earning an AAS-T degree must complete 60 semester units of coursework applicable to the CSU including the CSU GE-B or CSU GE-B4 pattern and courses in the major with “C” or better grades, and achieve a minimum transferable cumulative GPA of 2.0.

LAW ENFORCEMENT
(Associate in Science)

Students who complete this program should be able to:
1. Explain appropriate investigative techniques and responsibilities at a crime scene to demonstrate mastery of crime scene management.
2. Identify law enforcement organizational/composition to include parishenal rank structures, methods of police deployment, and resources available to police operations.
3. Explain the role of the community in a partnership with law enforcement including, but not limited to, interpersonal skills of effective written and oral communications.
4. Explain the role of the community in a partnership with law enforcement including, but not limited to, critical thinking required of a law enforcement officer.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Introduction to Criminal Justice System</td>
<td>3</td>
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<tr>
<td>AJ 11</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
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<td>Evidence</td>
<td>3</td>
</tr>
<tr>
<td>AJ 14</td>
<td>Criminal Justice Process</td>
<td>3</td>
</tr>
<tr>
<td>AJ 15</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>AJ 19</td>
<td>Multicultural Communities and the Justice System</td>
<td>3</td>
</tr>
<tr>
<td>AJ 30</td>
<td>Introduction to Corrections</td>
<td>3</td>
</tr>
</tbody>
</table>

Total units required for degree major: 21

Students earning an AA degree must complete 60 semester units of coursework applicable to the CSU including the CSU GE-B or CSU GE-B4 pattern and courses in the major with “C” or better grades, and achieve a minimum transferable cumulative GPA of 2.0.

BASIC POLICE ACADEMY
(Certificate of Achievement)

Students who complete this program should be able to:
1. Explain appropriate investigative techniques and responsibilities at a crime scene to demonstrate mastery of crime scene management.
2. Identify law enforcement organizational/composition to include parishenal rank structures, methods of police deployment, and resources available to police operations.
3. Explain the role of the community in a partnership with law enforcement including, but not limited to, interpersonal skills of effective written and oral communication required of a law enforcement officer.
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Required Courses

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>AJ 50A</td>
<td>Correctional Officer Core Course</td>
<td>5</td>
</tr>
<tr>
<td>AJ 50B</td>
<td>Correctional Officer Core Course</td>
<td>5</td>
</tr>
<tr>
<td>HC 110</td>
<td>Introduction to Human Services</td>
<td>3</td>
</tr>
</tbody>
</table>

Total units required for certificate: 33

Students earning an AA degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the health requirement, in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

RESERVE TRAINING MODULE I
(Associate in Science)

Students who complete this program should be able to:
1. Apply criminal and criminal justice theories, principles and concepts to address real-life situations in the field.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 72</td>
<td>Reserve Training Module I</td>
<td>13.5</td>
</tr>
<tr>
<td>AJ 52B</td>
<td>Reserve Training Module II</td>
<td>2</td>
</tr>
<tr>
<td>AJ 52C</td>
<td>Reserve Training Module III</td>
<td>16.5</td>
</tr>
</tbody>
</table>

Total units required for certificate: 42

RESERVE OFFICER LEVEL II
(Certificate of Achievement)

Students who complete this program should be able to:
1. Recognize the importance of practice of legal and ethical behaviors in a professional criminal justice work setting.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 51A</td>
<td>Reserve Training Module II</td>
<td>8</td>
</tr>
<tr>
<td>AJ 51B</td>
<td>Reserve Training Module II</td>
<td>5</td>
</tr>
</tbody>
</table>

Total units required for certificate: 13

SPECIAL INVESTIGATOR ACADEMY
(Certificate of Achievement)

Students who complete this program should be able to:
1. Investigate a complicated and complex special crime and develop a written report that meets all of the requirements necessary for the filing of a criminal complaint.
2. Apply criminology and criminal justice theories, principles and concepts to address real-life situations in the field.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 21TA</td>
<td>Specialized Investigator’s Basic Course</td>
<td>20</td>
</tr>
<tr>
<td>AJ 51T</td>
<td>Specialized Investigator’s Basic Course</td>
<td>5</td>
</tr>
</tbody>
</table>

Total units required for certificate: 28

RESERVE OFFICER LEVEL 3
(Certificate of Achievement)

Students who complete this program should be able to:
1. Analyze, interpret, and evaluate criminal and criminal justice theories, principles, practices, and procedures to develop strategies to prevent and control crime.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 50A</td>
<td>Reserve Training Module II</td>
<td>5.5</td>
</tr>
<tr>
<td>AJ 50B</td>
<td>Reserve Training Module III</td>
<td>2.5</td>
</tr>
<tr>
<td>AJ 50C</td>
<td>Reserve Training Module III</td>
<td>2.5</td>
</tr>
</tbody>
</table>

Total units required for certificate: 10

CORRECTIONAL OFFICER ACADEMY
(Certificate of Training)

Students who complete this program should be able to:
1. Explain the functional relationship between Corrections and law enforcement.
2. Analyze complex situations, employ a reasonable plan for resolution and devise methods for approval of based outcomes (by) in Criminal Justice.
3. Demonstrate an understanding of Corrections to difficulties in society, based on factors from the neighborhood, the home, and the individual.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 70A</td>
<td>Correctional Officer Core Course</td>
<td>3</td>
</tr>
<tr>
<td>AJ 70B</td>
<td>Correctional Officer Core Course</td>
<td>5</td>
</tr>
</tbody>
</table>

Total units required for certificate: 7.5

AR 10       | Introduction to Criminal Justice System | 3     |

54 lecture hours

Transferable to CSU/UC

C-ID: AJ 110

Overview of the history and philosophy of the U.S. justice system; study of the modern criminal justice system and its components, law enforcement, courts, and corrections; identifying the roles of the various professionals within the system and their interrelationships; analysis of legal issues; study of theories of crime causation, punishment, and rehabilitation. (L)

AJ 11       | Criminal Law | 3     |

54 lecture hours

Transferable to CSU/UC

C-ID: AJ 120

This course provides an analysis of the history, philosophy, and constitutional provisions of criminal law in the United States; study of common law, statutory law, and case law applicable to law enforcement, including exploration of crimes against persons, property, public peace, narcotics, and dangerous weapons. Special emphasis is placed on the classification of crimes, the general elements of crime, and the definitions of common and statutory law. This course also includes information on prosecution and defense procedure, including criminal defenses, legal justifications, and burdens of proof. This course utilizes case law and case studies to introduce students to criminal law. (L)

AJ 13       | Evidence | 3     |

54 lecture hours

Transferable to CSU

C-ID: AJ 124

This course examine categories of evidence and legal rules governing its admission and exclusion in the criminal process; the origin and development of evidentiary law; and the study of both codified evidentiary law and applicable court decisions. Specific topics include, types of evidence, the judicial process, the admission and exclusion of evidence, legal standards of proof, direct and circumstantial evidence, testimonial evidence and witness competency, the hearsay rule and its exceptions, demonstrative evidence, judicial notice, and issues relating to search and seizure. (L)
AJ 14  Criminal Justice Process 3 units
Transferable to CSU
C-ID AJ 12
Analysis of legal processes from pre-arrest through trial and appeal, sentencing, and corrections procedures utilizing statutory law and case law.

AJ 15  Criminal Investigation 3 units
Transferable to CSU
C-ID AJ 140
Addresses procedures and concepts as applied to criminal investigations, including surveillance; crime scene response; management, and identification, collection, and processing of physical evidence. Covers U.S. Constitution and Statutory Case Law; interview/interrogation processes and techniques; investigating information sources; procuring search warrants; serving search warrants; exceptions to the search warrant rule, and court process. Emphasis is placed on developing the students capacity to analyze specific situations and identify sound ethical investigative procedures.

AJ 16  Police Operations 3 units
Transferable to CSU
C-ID AJ 125
Police functions, organization, duties, and analysis of police operational functions including public service responsibilities and special police problems.

AJ 19  Multicultural Communities 3 units
Transferable to CSU/CUC
C-ID AJ 160
Examines the complex relationship between multicultural communities and the criminal justice system, analyzing cultural differences and strategies to effectively address crime related issues. Addresses potential societal barriers involving race, ethnicity, gender, religion, sexual orientation, age, social class, culture and the evolution of the law enforcement profession in understanding how relationships are developed, maintained, and changed to meet ethnic and minority group needs. Additional topics include multicultural representation in law enforcement, cross-cultural communication, community policing, and restorative justice principles.

AJ 20  Juvenile Law and Procedures 3 units
Transferable to CSU
C-ID AJ 220
This course is an examination of the origin, development, and organization of the Juvenile Justice System as it evolved in the American Justice system. The course explores the theories that focus on juvenile law, courts and processes, and the constitutional protections extended to juveniles administered in the American Justice system; organization, function, and jurisdiction of juvenile agencies; processing and detention of juveniles; juvenile case disposition; legal statutes, and court procedures.

AJ 21  Narcotics and Drugs 3 units
Transferable to CSU
C-ID AJ 220
Analysis of narcotics and drugs, the physical effects of addiction, and the sociological problems of drug abuse. Students will be introduced to the concept of substance abuse and dependence, the definition of licit and illicit drugs, and the pharmacologic, neurologic and physiologic effects of selected chemical substances on the human brain. Political, social and economic factors involved in the supply and demand for drugs will be discussed. Epidemiologic data on the prevalence, incidence, and trends of smoking, alcohol, prescription and other drug dependencies in the U.S. will be covered, as well as risk factors associated with the use and abuse of these substances. Current options for recovery and a survey of local resources will be reviewed.

AJ 30  Introduction to Corrections 3 units
Transferable to CSU
C-ID AJ 200
This course provides a history of and critical analysis of punishment, the various types of punishment, alternatives to punishment, and the impact of punishment on the Criminal Justice System, corrections, a critical examination of the types of correctional institutions and the clients housed in each institution, and an examination of contemporary correctional issues.

AJ 31  Criminal and Delinquent Behavior 3 units
Transferable to CSU
C-ID AJ 160
An introduction to the study of criminology and crime causation; explores the causes of crime and delinquency by analyzing various social, psychological, and cultural factors. This course introduces the student to the study of major types of criminal behavior, patterns of criminal careers, and factors which contribute to the production of criminality and delinquency.

AJ 33  Introduction to Correctional Counseling 3 units
Transferable to CSU
C-ID AJ 160
History, objectives, and theories of counseling relevant to corrections; common methods, techniques, and interventions of counseling; understanding the client as a person. A basic course for students planning to enter or who are already employed in the corrections field.

AJ 34  Correctional Treatment Programs 3 units
Transferable to CSU
C-ID AJ 160
The study of correctional treatment programs concerning juveniles and adults, in both the casework setting and in a custody institution. This is a basic course for students planning to enter or who are already employed in the corrections field.
### Programs and Courses

**AJ 70A** Correctional Officer Core Course 7 units
- 117.5 lecture hours, 32 lab hours
- Other: Medical clearance, Health/History, Par-Q.
- Corequisite: Concurrent enrollment or satisfactory completion of AJ 70B.

**Theory and application of Corrections Officer Training.** Meets California Department of Corrections and Rehabilitation requirements. Units of course study include: Criminal Justice System, Codes and Statutes, professionalism, classification of inmates, contraband/behavior, booking and releasing, releasing, maintaining security, report writing, supervising inmates, distribution of supplies, monitoring health, management of inmate workers, screening visitors and mail, transport of outside facilities, emergency procedures, testifying in court and physical tasks. (L)

**AJ 70B** Correctional Officer Core Course 0.5 unit
- 10 lecture hours, 18 lab hours
- Other: Medical clearance, Health/History, Par-Q.
- Corequisite: Concurrent enrollment or satisfactory completion of AJ 70A.

**Theory and application of Corrections Officer Training.** Meets California Department of Corrections and Rehabilitation requirements. This section covers the assasitive behavior and restraint techniques. (L)

**AJ 78** Investigative Report Writing 3 units
- 54 lecture hours
- Investigative report writing for the public safety professional relative to law enforcement, correctional institutions, parole activities, and private security services. Includes practical experience in preparing field notes, letters, memorandums, and official administrative reports. Examines the role of reports in civil litigation, criminal prosecution, and the presentation of court testimony. Emphasis will be placed on recognizing the characteristics of good report writing and the presentation of court testimony. The role of reports in civil litigation, criminal prosecution, and the presentation of court testimony. Emphasis will be placed on recognizing the characteristics of good report writing and the presentation of court testimony. (L)

**AJ 200B** Probation Officer Core Course 1.5 units
- 18 lecture hours, 27 lab hours
- Other: Medical clearance, Health/History, Par-Q.
- Corequisite: Concurrent enrollment or satisfactory completion of AJ 200A.

**Designed to provide the basic concepts and skills for “entry-level” Probation Officer Core Course. This section covers Officer Safety: Physical Skills Training, meets California Corrections Standards Authority, division of Standards and Training for Corrections (STC) requirements for “entry level” Probation Officers.** (L)

**AJ 202A** Juvenile Correctional Officer Core Course 6.5 units
- 108 lecture hours, 27 lab hours
- Other: Medical clearance, Health/History, Par-Q.
- Corequisite: Concurrent enrollment or satisfactory completion of AJ 202B.

**Designed to provide the basic concepts and skills for “entry-level” Juvenile Correctional Officer, including overall mission, role and function in the California Juvenile Justice System; major tasks and responsibilities; and competency in various knowledge and skill requirements. Meets California Corrections Standards Authority, Division of Standards and Training for Corrections (STC) requirements for “entry level” Juvenile Correction Officers as of July 2007.** (L)

**AJ 202B** Juvenile Correctional Officer Core Course 0.5 unit
- 4 lecture hours, 26 lab hours
- Other: Medical clearance; Health/History, Par-Q.
- Corequisite: Concurrent enrollment or satisfactory completion of AJ 202A.

**Designed to provide the basic concepts and skills for “entry level” Juvenile Correctional Officer. This section covers Defensive Tactics and Restraint Techniques. Meets California Corrections Standards Authority, Division of Standards and Training for Corrections (STC) requirements for “entry level” Juvenile Correction Officers as of July 2007.** (L)

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### Agriculture and Plant Science

At Yuba College we believe these are very exciting times for agriculture, agricultural business and for rural America. Within Yuba and Sutter Counties sustainable and small-scale conventional farming and ranching are of increasing relevance. Agriculturalists are becoming more aware of the need for scientific farming to improve productivity and profitability. The close, friendly nature of Yuba College, combined with an integrated agricultural curriculum and remarkable access to hands-on education, creates a fertile learning environment for our students and the agriculture industry we serve.

*Career opportunities in agriculture and plant science are many and varied. They include jobs in the food, fiber and nursery industries; jobs in air, land, water, and natural resources; as well as jobs in pest management, veterinary technology, environmental regulation and protection; biotechnology; accounting, and farm management. Students planning to transfer to a four year learning institution should contact a counselor to ensure correct course placement. As a pioneer in innovative curriculum programs for the California Community College system, Yuba College has developed partnerships with local community agricultural businesses and through joint input has developed a curriculum to help enhance and expand the local agriculture sector.*

Today’s expanding agriculture arena focuses on production methodology that enhances existing resources. The Yuba College Agriculture Program is about the local farming community. Our Agricultural Program provides both the small business and technical skills needed to develop and manage a profitable, environmentally sound and community-based small farm or agricultural business.

Students use their Yuba College education to develop farms, nurseries, green houses and ranches, while others seek employment at established agricultural operations. Employment opportunities are found elsewhere through schools, parks and environmental centers. Jobs are available with non-profit organizations focusing on farmer advocacy. The agriculture degree is also useful for persons desiring to serve in the Peace Corps or other humanitarian volunteer organizations.

### AGRICULTURE (Associate in Science)

**Students who complete this program will be able to:**
1. Identify and apply the principles and techniques of modern crop, soil, and livestock management.
2. Demonstrate scientific evaluation skills including interpreting graphs, data, as well as data proficient in laboratory procedures.
3. Describe fundamental practices in agriculture for livestock, crops, and soil health and sustainability.

**Required Courses**

<table>
<thead>
<tr>
<th>Units</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>AG 44 Entrepreneurship</strong></td>
<td>Units required for degree major</td>
</tr>
<tr>
<td>3</td>
<td><strong>AG 45 or 45L Principles of Animal Science</strong></td>
<td>Transferable to CSU</td>
</tr>
<tr>
<td>3-4</td>
<td><strong>PLSCI 20 or 20L Principles of Plant Science</strong></td>
<td>Transferable to CSU</td>
</tr>
<tr>
<td>9</td>
<td><strong>Complete 9 units of Agriculture electives</strong></td>
<td>Total units required for degree major</td>
</tr>
</tbody>
</table>

**Students earning an AAAS degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the health requirement. In addition to the program units listed here, students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.**

### AG 4 Introduction to Agricultural Business 3 units

54 lecture hours

Transferable to CSU

Provides a basic understanding of the business and economics of the agricultural industry; an introduction to the economic aspects of agriculture and their implications for the agricultural producer, consumer and the food system; management principles encountered in the day-to-day operation of an agricultural enterprise as they relate to the decision making process.

### AG 7 Agricultural Entrepreneurship 3 units

54 lecture hours

Transferable to CSU

Principles of establishing and managing a small business in agriculture, including the preparation of a business plan; emphasis on goal-setting, types of agriculture business organizations, obtaining start-up and venture capital, leadership roles and management, marketing, management principles encountered in the day-to-day operation of an agricultural enterprise, and other aspects in agricultural entrepreneurship. (L-M)

### AG 45 Principles of Animal Science 3 units

54 lecture hours

Transferable to CSU/UC

C-ID-AG-AS 104

An introduction to the livestock industry encompassing aspects of animal anatomy, physiology, nutrition, genetics and epidemiology. Emphasis on the origin, characteristics, adaptations and contributions of livestock to the modern agriculture industry. Field trips may be required.

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C. L. M Advisories: Computer Literacy: recommended basic computer skills.
Language: recommended eligibility for English 1A. Mathematics: recommended eligibility for Math 32.
## Programs and Courses

**AG 4SL**  
Principles of Animal Science  1 unit  
54 lab hours  
Transferable to CSU/UC  

Laboratory to accompany Principles of Animal Science (AG 4S). A scientific lab approach to the livestock industry encompassing aspects of animal anatomy, physiology, nutrition, genetics and epidemiology. Experimental design and reporting, animal dissections, basic animal handling and husbandry practices, recognition of animal health, and use of biotechnology in animal science will also be addressed. (L)

**AG 60**  
Preparing for 21st Century Agriculture Workforce  3 units  
54 lecture hours  

Students learn to critically evaluate and assess the agricultural job market and jobs in the future as it relates to career field opportunities. Students will learn how to identify opportunities and evaluate skills, interests, and identify training and/or education pathways through agriculture career explorations.

**AG 65**  
Introduction to Agriculture Technology  3 units  
54 lecture hours  

An analysis of current and trending technologies and basic trades used in agriculture industry today. Emphasis on basic mechanical skills, basic electricity, instrumentation, automation, welding, machining, process improvement, basic drafting, construction and safety management. Emphasizes a proactive approach to project planning, problem solving, and thinking critically.

**AG 70**  
Precision Farming Systems  3 units  
54 lecture hours  

Provides a background in the tools of precision farming, including: GPS, GIS, VRT, precision planters, yield monitoring, robotics and drones, and their use on modern farms. Previews basic functions and provides practical experience with hands on computer activities in several disciplines. Data management and evaluation will also be covered. Basic drone maneuvers will be covered utilizing simulator software.

### Plant Science

**PLSCI 20**  
Principles of Plant Science  3 units  
54 lecture hours  
Transferable to CSU/UC  

Principles of plant growth including structure, growth processes, propagation, physiology, growth media, and biological competitors. Students are encouraged to concurrently enroll in the lab section, PLSCI 20L.

**PLSCI 22A**  
Principles of Plant Science Lab  1 unit  
54 lab hours  

Conditions of Enrollment: Concurrent enrollment or satisfactory completion of PLSCI 20  
Transferable to CSU/UC  

Lab course designed to complement PLSCI 20. Topics include microscope use, internal and external plant structures, photosynthesis, respiration, and other aspects of plant growth and development. Students enrolled in PLSCI 22A should be concurrently enrolled in PLSCI 20.

**PLSCI 22**  
Introduction to Soils  3 units  
54 lecture hours  
Transferable to CSU/UC  

Physical, chemical and biological properties of soils as related to plant growth and soil formation; the study of soil development, classification and characteristics; soil use and management including erosion, moisture retention, structure, cultivation, organic matter and microbiology. Students are encouraged to concurrently enroll in the lab section, PLSCI 22L. Grades are P/NP option.

**PLSCI 22A**  
Introduction to Soils Lab  1 unit  
54 lab hours  

Conditions of Enrollment: Concurrent enrollment or satisfactory completion of PLSCI 22  
Transferable to CSU/UC  

Laboratory to accompany Introduction to Soils (PLSCI 22). Physical, chemical, and biological properties of soils as related to plant growth and soil formation. Including the study of soil development; classification and characteristics; soil use and management including erosion, moisture retention, structure, cultivation, organic matter and microbiology. Students enrolled in PLSCI 22A should be concurrently enrolled in PLSCI 22.

### Anthropology

**ANTHR 1**  
Introduction to Physical Anthropology  3 units  
54 lecture hours  
Transferable to CSU/UC  

This course examines human biological variation within an evolutionary context. It includes an introduction to the history and principles of evolutionary theory; basic human genetics and molecular biology; the anatomy, behavior, and ecology of our closest living relatives, non-human primates; the evolution of the human lineage through the hominid fossil record; variation among modern human groups, past and present; and a brief introduction to forensic anthropology. Throughout the course, attention is paid to the complex interaction between biology, behavior, and culture.

**ANTHR 2**  
Cultural Anthropology  3 units  
54 lecture hours  
Transferable to CSU/UC  

Investigates the diversity of cultures in regards to language, economics, kinship, art, religion, technology, and cultural universals; functional aspects of culture and cultural change; varieties of customs and institutions of different peoples; significance of human culture.

**ANTHR 3**  
Introduction to Archaeology  3 units  
54 lecture hours  
Transferable to CSU/UC  

Introduction to the methods and theories of modern archaeology, including site exploration and interpretation. Patterns of evidence for human behavior from the first humans to the beginnings of written history. (L)
Programs and Courses

Art

Some classes are subject to Family of Class restrictions on page 87.

Art surrounds us every minute of each day. The AA in Art program develops a student’s creative ability, independent thinking, and potential to become a visual thinker and effective communicator whether interested in the process of thinking, commercial layout, making a functional ceramic piece or company logo. Students will be introduced to art history and hands-on studio experiences in drawing and design as well as ceramics or sculpture. Beyond the foundation requirements of art history and studio experience, students will have an opportunity to explore other studio areas in painting, printmaking, commercial art, and/or photography or further their skills in ceramics or sculpture or further focus on understanding of art history. In advanced courses, students will also be able to produce a portfolio of their work for presentation. These artistic skills and training experienced by students is a wide variety of careers in many traditional and new digital design fields. These careers range through architecture and interior design, art history and education, museum/gallery curating, interactive design, museum/gallery direction, studio and fine arts, web based graphic design, and commercial art and design, and many other creative job paths that surround these creative professions.

ART (Associate in Arts)

Students who complete this program should be able to:
1. Analyze and communicate a knowledge of Art History
2. Demonstrate an in design and composition of various art forms
3. Demonstrate specific practice and personal skill in various studio arts media

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1A History of Art-1 OR</td>
<td>3</td>
</tr>
<tr>
<td>ART 1B History of Art-II</td>
<td>3</td>
</tr>
<tr>
<td>ART 4A Drawing and Composition Beginning</td>
<td>3</td>
</tr>
<tr>
<td>ART 4A Beginning Basic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 12A Beginning Ceramics OR</td>
<td>3</td>
</tr>
<tr>
<td>ART 14A Beginning Sculpture OR</td>
<td>3</td>
</tr>
<tr>
<td>ART 4B Drawing and Composition Intermediate OR</td>
<td>3</td>
</tr>
<tr>
<td>ART 6B Intermediate Basic Design - 3D OR</td>
<td>3</td>
</tr>
<tr>
<td>ART 2 Color Theory OR</td>
<td>3</td>
</tr>
<tr>
<td>ART 5 Art Appreciation</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1A History of Art-1</td>
<td>3</td>
</tr>
<tr>
<td>ART 1B History of Art-II</td>
<td>3</td>
</tr>
<tr>
<td>ART 2 (Counselor)</td>
<td>3</td>
</tr>
<tr>
<td>ART 3A Women in Art I</td>
<td>3</td>
</tr>
<tr>
<td>ART 3B Men in Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 4B Drawing and Composition Intermediate OR</td>
<td>3</td>
</tr>
<tr>
<td>ART 5 Art Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>ART 6B Intermediate Basic Design - 3D OR</td>
<td>3</td>
</tr>
<tr>
<td>ART 8A Watercolor Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 8B Watercolor Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 9A Beginning Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 9B Intermediate Painting</td>
<td>3</td>
</tr>
</tbody>
</table>

Total units required for degree major: 27

Students earning an AA/AS degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the health requirement, in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

COMMERCIAL ART (Associate in Science)

Students who complete this program should be able to:
1. Articulate a broad knowledge of the history and practice of various studio art media, art, forms, and artists
2. Demonstrate specific practice and personal skill in various studio arts media
3. Students will be able to interact within the studio arts community to exhibit and promote their art or/and personal work

Programs and Courses

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2 Color Theory</td>
<td>3</td>
</tr>
<tr>
<td>ART 3 Drawing and Composition Beginning</td>
<td>3</td>
</tr>
<tr>
<td>ART 4B Drawing and Composition Intermediate OR</td>
<td>3</td>
</tr>
<tr>
<td>ART 6A Beginning Basic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 6B Intermediate Basic Design - 3D OR</td>
<td>3</td>
</tr>
<tr>
<td>ART 19A Introduction to Commercial Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 19B Commercial Art - Illustration</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 3 units selected from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1A, 1B, 9A, 9B, 9A, 12A, 13B, 14A, 15B, 31B</td>
<td>3</td>
</tr>
</tbody>
</table>

Total units required for degree major: 24

Students earning an AA degree must complete a minimum of 15 units of General Education requirements, the multicultural graduation requirement, and the health requirement, in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

PHOTOGRAPHIC IMAGING (Associate in Science)

Students who complete this program should be able to:
1. Effectively communicate using visual and technical language related to photography
2. Demonstrate a strong knowledge and understanding of how to use photography equipment and software
3. Demonstrate an understanding of photography’s place in Art History and the Contemporary Art world
4. Apply the tools to promote their work in both commercial and fine arts settings

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 31 Basic Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 33 Advanced Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 34A Creative Photography Documentary</td>
<td>3</td>
</tr>
<tr>
<td>ART 36A Digital Photography (3 units each)</td>
<td>3</td>
</tr>
<tr>
<td>ART 36B Intermediate Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 36C AdvancedDigital Photography</td>
<td>3</td>
</tr>
</tbody>
</table>

Total units required for degree major: 21

Students earning an AA/AS degree must complete 60 semester units of coursework eligible for transfer to the CSU including the CSU GE-B or IGETC (CSU version), all courses in the major with “C” or better grades, and achieve a minimum transferable cumulative GPA of 2.0.

PHOTOGRAPHIC IMAGING (Certificate of Achievement)

Students who complete this program should be able to:
1. Effectively communicate using visual and technical language related to photography
2. Demonstrate a strong knowledge and understanding of how to use photography equipment and software
3. Demonstrate an understanding of photography’s place in Art History and the Contemporary Art world
4. Apply the tools to promote their work in both commercial and fine arts settings

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 31 Basic Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 33 Advanced Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 34A Creative Photography Documentary</td>
<td>3</td>
</tr>
<tr>
<td>ART 36A Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 36B Intermediate Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 36C AdvancedDigital Photography</td>
<td>3</td>
</tr>
</tbody>
</table>

Total units required: 12

Students earning an AA-T/AS-T degree must complete 60 semester units of coursework eligible for transfer to the CSU including the CSU GE-B or IGETC (CSU version), all courses in the major with “C” or better grades, and achieve a minimum transferable cumulative GPA of 2.0.

STUDIO ARTS (Associate in Arts in Studio Arts for Transfer)

Students who complete this program should be able to:
1. Articulate and communicate a broad knowledge of both the history and the practice of various studio arts media
2. Demonstrate specific practice and personal skill of various studio arts media
3. Engage in both community and professional practice in the exhibition of personal work

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 18 History of Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 6A Beginning Basic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 6B Intermediate Basic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 44 Drawing and Composition</td>
<td>3</td>
</tr>
</tbody>
</table>

List A Courses. Select one (3 units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1A History of Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 21 Asian Art History</td>
<td>3</td>
</tr>
<tr>
<td>ART 20 African, Oceanic, and Native American Art History Survey</td>
<td>3</td>
</tr>
</tbody>
</table>

List B Courses. Choose three (9 units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2 Color Theory</td>
<td>3</td>
</tr>
<tr>
<td>ART 3 Drawing and Composition Advanced</td>
<td>3</td>
</tr>
<tr>
<td>ART 9A Beginning Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 12A Beginning Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>ART 14A Beginning Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 15A Beginning Printmaking</td>
<td>3</td>
</tr>
<tr>
<td>ART 31 Basic Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 36A Digital Photography</td>
<td>3</td>
</tr>
</tbody>
</table>

Total units required for degree major: 24

Students earning an AA-T/AS-T degree must complete 60 semester units of coursework eligible for transfer to the CSU including the CSU GE-B or IGETC (CSU version), all courses in the major with “C” or better grades, and achieve a minimum transferable cumulative GPA of 2.0.

2020-2021 Catalog
Programs and Courses

ART 1A History of Art-I 3 units
45 lecture hours
Transferable to CSU/UC
C-ID ART 110
Survey of Art history, painting, sculpture, and architecture.
Art from the Paleolithic period through the Early Christian
World. (L)

ART 1B History of Art-II 3 units
54 lecture hours
Transferable to CSU/UC
Survey of European Art history, painting, sculpture and
architecture from the Renaissance to the 20th Century. (L)

ART 2 Color Theory 3 units
36 lecture hours, 54 lab hours
Transferable to CSU/UC
C-ID ARTS 270
Study and application of color theory to solve studio
problems in fine and applied arts. Historical overview of the uses of color
and an analysis of the interaction of color in a laboratory situation.

ART 3A Women in Art I 3 units
54 lecture hours
Transferable to CSU/UC
The role of women as artists in the western world, beginning
in the middle ages and concluding in the Twentieth Century.
Art world. Not open for credit to students with credit in HUMAN 26A.
Grades are P/NP option.

ART 3B Women in Art II 3 units
54 lecture hours
Transferable to CSU/UC
Role of women as visual artists in Europe and the Americas,
focusing on the Twentieth Century. Not open for credit to
students with credit in HUMAN 26B. Grades are P/NP option.

ART 4A Drawing and Composition 3 units
Beginning
27 lecture hours, 81 lab hours
Transferable to CSU/UC
Drawing and composition using various materials. Basic
instruction in perspective, landscape, still life, and other
subjects. Grades are P/NP option.

ART 4B Drawing and Composition 3 units
Intermediate
27 lecture hours, 81 lab hours
Transferable to CSU/UC
C-ID ARTS 205
Students in this course will build on fundamental drawing
skills to develop personalized solutions to content and materials
in exercises covering multiple historical and contemporary
approaches to drawing. Grades are P/NP option. (L)

ART 5 Art Appreciation 3 units
54 lecture hours
Transferable to CSU/UC
C-ID ARTH 100
This course provides a general introduction to visual art
through selected examination of art works and architecture
from diverse cultures of the world from the prehistoric period
to the present, familiarizing students with art historical context
and terminology, visual elements, design principles, and visual
art media. Not open for credit to students who have completed
HUMAN 5. (C,L)

ART 6A Beginning Basic Design 3 units
27 lecture hours, 81 lab hours
Transferable to CSU/UC
C-ID ARTS 100
Introduction to the concepts, applications, and historical
principles that apply to two-dimensional art, including
the basic principles and elements as they relate to two-dimensional problems. (L)

ART 6B Intermediate Basic Design, 3D 3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: ART 6A
Transferable to CSU/UC
C-ID ARTS 101
Students will explore the concepts, applications, and historical
references that relate to three dimensional design and spatial
composition, including the study of elements and organizing
principles of design as they apply to three dimensional space
and form. (L)

ART 8A Watercolor Painting 3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: ART 4A
Transferable to CSU/UC
Basic principles and elements of watercolor painting in various
techniques; wet on wet, washes, and drybrush. Concepts
of form, color, content, and space are explored. Grades are P/NP option. (L)

ART 8B Watercolor Painting 3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: ART 8A
Transferable to CSU/UC
Basic principles and elements of watercolor painting in various
techniques; wet-on-wet, washes, and drybrush. Advanced
techniques applied, portfolio of personal work developed. Grades are P/NP option. (L)

ART 9A Beginning Painting 3 units
27 lecture hours, 81 lab hours
Transferable to CSU/UC
C-ID ARTS 210
Introduction to the principles, elements, and practices of
painting. Focus on painting materials, perceptual skills and
color theory, paint mixing and techniques, as well as creative
response to materials and subject matter. Grades are P/NP option. (L)

ART 9B Intermediate Painting 3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: ART 9A
Transferable to CSU/UC
Continued exploration of painting media and techniques.
Emphasis on personal style and painting from life. Students
will be introduced to painting in a series. Grades are P/NP option. (L)

ART 11 Mural Painting 3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: ART 9B
Transferable to CSU/UC
Studio course focused on the creation of a large mural.
Students will design, compose, prepare and produce a wall
mural project. Students will explore the design and cultural
significance of historical murals. (M)

ART 12A Beginning Ceramics 3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: ART 12A
Transferable to CSU/UC
Basic studio techniques and processes in hand building,
use of clay and glazes. Emphasis on decorative expression
using clay. Introduction to ceramic materials and concepts with processes
including basic design principles and creative development in
hand building and wheel thrown techniques, techniques for
glaze use, firing and ceramic terminology. This course covers
aesthetic and creative development of clay objects through
examining historical, contemporary, and personal modes of
expression across cultures. (L)

ART 12B Intermediate Ceramics 3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: ART 12A
Transferable to CSU/UC
Intermediate techniques and processes for wheel-thrown and
handbuilt pottery, creative and artistic expression through the
use of clay and glazes. Grades are P/NP option. (L)

ART 14A Beginning Sculpture 3 units
27 lecture hours, 81 lab hours
Transferable to CSU/UC
Introduction to three-dimensional sculptural principles,
techniques, and concepts utilizing a wide range of materials and
processes. Students will be introduced to the use and exploration of the media of clay,
plaster, wood and armature building. Covers concepts such as figurative sculpture, abstract
sculpture, and conceptual sculpture. Grades are P/NP option. (L)

ART 14B Intermediate Sculpture 3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: ART 14A
Transferable to CSU/UC
Further study of three-dimensional form and use of materials
such as clay, plaster, wood, metal and armature building,
with an introduction to creating sculptural spaces through
"installation." Further study of figurative and abstract concepts
with an emphasis on conceptual work. Grades are P/NP option. (L)

ART 15A Beginning Printmaking 3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: ART 15A
Transferable to CSU/UC
Students will explore basic printmaking techniques,
including intaglio, relief, planographic and stencil. Students
will become familiar with historical examples using each
of these techniques. Focus on safe and correct use of
printmaking materials and equipment and best practices
for working in a studio space with others. Covers printmaking
studio vocabulary and practice in critique students' own
work and the work of others. At the conclusion of the class
students will be able to print a consistent edition of prints.
Grades are P/NP option.

ART 15B Intermediate Printmaking 3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: ART 15A
Transferable to CSU/UC
Students will develop expertise in techniques covered in Art
15A. Advanced printmaking techniques such as solar plate
taglio, mezzotint, and screen-printing with photo emulsion.
Students will develop an ability to use printmaking to create
original and meaningful content and imagery. Students will
learn to work with color and create images using multiple
plates. Grades are P/NP option.

ART 18 Beginning Graphic Arts 3 units
36 lecture hours, 54 lab hours
Transferable to CSU/UC
This course is an introductory overview of the technical
software and aesthetic fundamental elements for creating
typography for print ready visual communications. This course includes a study of "desktop,"
typeset, copy fitting, graphic art, software and the creative application of all the above.
Grades are P/NP option. (L,C)

ART 19A Introduction to Commercial Art 3 units
27 lecture hours, 81 lab hours
Transferable to CSU/UC
Introduces students to the principles of design and drawing,
tools, computer software, and vocabulary and concepts for
design of commercial art production. Focus is on promotional
design skills for client-based product. Grades are P/NP option. (C)

ART 19B Commercial Art: Illustration 3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: ART 19A
Transferable to CSU/UC
Studio practice in the basic concepts and techniques of commercial illustration during projects that occur
in employment situations. Stress on various media, portfolio, and camera ready work. Grades are P/NP option. (C)

2020-2021 Catalog
### Programs and Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 20</td>
<td>African, Oceanic, and Native American Art History Survey</td>
<td>This course is a survey of visual culture within select regions in Africa, Oceania, and Indigenous Americas. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 21</td>
<td>Asian Art History</td>
<td>This course is a survey of the arts of China, India, Japan, Indonesia, Korea, and South East Asia from prehistoric times to the present. This course examines the wide variety of art forms from these areas and time periods within their historical contexts, with emphasis on function, meaning, aesthetic concepts, mechanical aspects of art making, and the classification and criticism of these arts. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 27</td>
<td>Photography Materials and Processes</td>
<td>Corequisite: Concurrent enrollment or satisfactory completion of: ART 31 Transferable to CSU An additional laboratory experience for those interested in further refining and developing concepts attained in regular course offerings in the photography emphasis in Fine Art.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 28</td>
<td>Individual Problems in Design</td>
<td>Corequisite: Satisfactory completion of: ART 6B Transferable to CSU Traditional and digital based photography; further exploration within the student’s area of interest. Assignments in creative problem solving with studio lighting and the large format camera. A capstone course for the Photographic Imaging AAS and certificate, designed to be a culmination of students’ experience. Preparation of final portfolios and resume to target specific photographic markets. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 30</td>
<td>Basic Photography</td>
<td>Prerequisite: Satisfactory completion of: ART 3A and ART 3B Transferable to CSU An exploration into basic camera operation and black and white processing and printing. History and development of photography. Emphasis is on personal expression. Manual film camera preferred.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 32A</td>
<td>Intermediate Black and White Photography A</td>
<td>Prerequisite: Satisfactory completion of: ART 31 Transferable to CSU Students will learn advanced darkroom processes, zone system, archival processing, print and negative chemical manipulation, and be introduced to the large format camera. Discussion and critical analysis of assigned exercises will be conducted.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 32B</td>
<td>Intermediate Black and White Photography B</td>
<td>36 lecture hours, 54 lab hours Prerequisite: Satisfactory completion of: ART 32A Transferable to CSU Qualitatively oriented advanced black and white course allowing further development of concepts attained in 32A. Emphasis on advanced zone system, large format camera and individual creative problem solving. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 32C</td>
<td>Advanced Black and White Photography</td>
<td>Prerequisite: Satisfactory completion of: ART 32B Transferable to CSU Individual exploration of advanced black and white photography concepts such as refining the zone system, infrared photography, large format camera, etc. within a structured but non-confining framework. Students will develop a portfolio of work throughout the semester demonstrating creative and conceptual competence. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 33</td>
<td>Advanced Photography</td>
<td>Prerequisite: Satisfactory completion of: ART 33B Transferable to CSU Traditional and digital based photography; further exploration within the student’s area of interest. Assignments in creative problem solving with studio lighting and the large format camera. A capstone course for the Photographic Imaging AAS and certificate, designed to be a culmination of students’ experience. Preparation of final portfolios and resume to target specific photographic markets. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 35</td>
<td>Creative Photography</td>
<td>Prerequisite: Satisfactory completion of: ART 31 or ART 36A Transferable to CSU Students will develop an understanding and appreciation of the photograph as it is used in social and personal commentary. Individual exploration and creativity will be deployed to create a focused photographic essay. Various presentation methods will be explored.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 36A</td>
<td>Digital Photography</td>
<td>36 lecture hours, 54 lab hours Prerequisite: Satisfactory completion of: ART 31 Transferable to CSU introduction to digital photography: exposure control, file formats, archiving, and basic image editing/manipulation. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 36B</td>
<td>Intermediate Digital Photography</td>
<td>36 lecture hours, 54 lab hours Prerequisite: Satisfactory completion of: ART 36A Transferable to CSU Students will delve deeper into the possibilities of Adobe Photoshop pushing the photographic image beyond straight photography into the world of photo manipulation. Techniques that will be covered include but are not limited to creative retouching, montaging and transmissive/reflective scanning and alternative digital outputs producing quality image output. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 36C</td>
<td>Advanced Digital Photography</td>
<td>36 lecture hours, 54 lab hours Prerequisite: Satisfactory completion of: ART 36B Transferable to CSU Introductory exploration of advanced digital imaging concepts within a structured environment. Projects may include advanced montaging, text layers, web authoring, and integration with other 2D/3D mediums. Self-generated projects are emphasized.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 38</td>
<td>Field Workshop: Black and White</td>
<td>Corequisite: Concurrent enrollment or satisfactory completion of: ART 31 Transferable to CSU Intensive location field workshops covering specific topics in black and white photography especially suited for the particular season and geographic location. Students responsible for cost of meals, lodging, transportation and materials. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 41A</td>
<td>Individual Problems in Painting I</td>
<td>Prerequisite: Satisfactory completion of: ART 41A and ART 4B Transferable to CSU A three-semester painting course in which students approach individual painting problems with a focus on a series of works in consultation with instructor. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 41B</td>
<td>Individual Problems in Painting: Advanced</td>
<td>27 lecture hours, 81 lab hours Prerequisite: Satisfactory completion of: ART 41A and ART 4B Transferable to CSU/UC Advanced painting in which students work on self directed painting and the development of creative portfolios. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 42A</td>
<td>Individual Problems in Ceramics I</td>
<td>27 lecture hours, 81 lab hours Prerequisite: Satisfactory completion of: ART 12B Transferable to CSU/UC Advanced techniques and processes for creative expression and personal style in studio ceramics. Emphasis on effective use of ceramic equipment. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 42B</td>
<td>Individual Problems in Ceramics II</td>
<td>27 lecture hours, 81 lab hours Prerequisite: Satisfactory completion of: ART 42A Transferable to CSU/UC Advanced techniques and processes for creative expression and personal style in ceramics. Students work on self-directed projects for the development of creative portfolios. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 43A</td>
<td>Individual Problems in Printmaking I</td>
<td>27 lecture hours, 81 lab hours Prerequisite: Satisfactory completion of: ART 15B Transferable to CSU individual problems exploring independent techniques, content, and solutions in printmaking. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 43B</td>
<td>Individual Problems in Printmaking: Advanced</td>
<td>27 lecture hours, 81 lab hours Prerequisite: Satisfactory completion of: ART 43A Transferable to CSU Advanced exploration of a single technique in printmaking. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 44</td>
<td>Individual Problems in Drawing</td>
<td>27 lecture hours, 81 lab hours Prerequisite: Satisfactory completion of: ART 44 Transferable to CSU/UC Development of a personal drawing style at an advanced level, working in series with the goal of a coherent group of works. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 46A</td>
<td>Individual Problems in Sculpture I</td>
<td>27 lecture hours, 81 lab hours Prerequisite: Satisfactory completion of: ART 14B Transferable to CSU/UC Advanced techniques and processes; creative and personal expression in three-dimensional forms. Students will learn to create works in series. Grades are P/NP option.</td>
<td>3 units</td>
</tr>
</tbody>
</table>
### ART 46B
- Individual Problems in Sculpture II
  - 3 units
  - 27 lecture hours, 81 lab hours
  - Prerequisite: Satisfactory completion of ART 46A
  - Transferable to CSU/UC
  - Advanced techniques and processes; creative and personal expression in three dimensional form. Students will write an artist's statement, have an exhibition of work and create a final portfolio. Grades are P/NP option. (L)

### ART DESIGN: Family of Classes
- No more than four classes can be attempted within each family of classes listed below. See page 51 for details.
- ART 2—Color Theory
- ART 6A—Beginning Basic Design
- ART 6B—Intermediate Basic Design, 3D
- ART 10B—Beginning Graphic Arts

### CERAMICS: Family of Classes
- No more than four classes can be attempted within each family of classes listed below. See page 51 for details.
- ART 12A—Beginning Ceramics
- ART 12B—Intermediate Ceramics
- ART 42A—Individual Problems in Ceramics I
- ART 42B—Individual Problems in Ceramics II

### COMMERCIAL ART: Family of Classes
- No more than four classes can be attempted within each family of classes listed below. See page 51 for details.
- ART 10A—Introduction to Commercial Art
- ART 10B—Commercial Art: Illustration

### DRAWING: Family of Classes
- No more than four classes can be attempted within each family of classes listed below. See page 51 for details.
- ART 4A—Drawing and Composition Beginning
- ART 4B—Drawing and Composition Intermediate
- ART 44—Individual Problems in Drawing

### PHOTOGRAPHY: Family of Classes
- No more than four classes can be attempted within each family of classes listed below. See page 51 for details.
- ART 27—Photography Materials and Processes
- ART 38—Field Workshop-Black and White
- ART 39—Field Workshop-Digital
- ART 31—Basic Photography
- ART 32A—Intermediate Black and White Photography A
- ART 32B—Intermediate Black and White Photography B
- ART 32C—Advanced Black and White Photography
- ART 36B—Intermediate Digital Photography
- ART 36C—Advanced Digital Photography

### PRINTMAKING: Family of Classes
- No more than four classes can be attempted within each family of classes listed below. See page 51 for details.
- ART 15A—Beginning Printmaking
- ART 15B—Intermediate Printmaking
- ART 43A—Individual Problems Printmaking I
- ART 43B—Individual Problems Printmaking II

### SCULPTURE: Family of Classes
- No more than four classes can be attempted within each family of classes listed below. See page 51 for details.
- ART 14A—Beginning Sculpture
- ART 14B—Intermediate Sculpture
- ART 46A—Individual Problems in Sculpture I
- ART 46B—Individual Problems in Sculpture II

### Astronomy

#### ASTRO 1 Introduction to Astronomy
- 3 units
- 54 lecture hours
- Transferable to CSU/UC
- Survey of the solar system, stars, galaxies, history and tools of astronomy, cosmology, and exploration of space. (L,M)

### Asian American Studies

#### ASIAN 31 Asian-American Humanities
- 3 units
- 54 lecture hours
- Transferable to CSU/UC
- Survey of Asian-American cultures, including religions, traditions, and some highlights of history. Not open for credit to students with credit in HUMAN 31. (L)

### Athletics

#### ATHL 1.55R Sports Conditioning
- 1.5 units
- 4.5 lecture hours, 13.5 lab hours (1 unit)
- 9 lecture hours, 27 lab hours (1 unit)
- Transferable to CSU/UC - UC Unit Limit
- Preparatory conditioning necessary for intercollegiate competition. Development of sport-specific strength, power, endurance, agility, and flexibility as well as mental training techniques. Other: Repeatable three times only. Grades are P/NP option.

#### ATHL 2.01R Baseball Skills
- 1.5 units
- 13.5 lecture hours, 40.5 lab hours
- Transferable to CSU/UC - UC Unit Limit
- Techniques of baseball and conditioning used in preparing for intercollegiate competition. Other: Repeatable three times only. Grades are P/NP option.

#### ATHL 2.03R Basketball Skills - Men
- 1.5 units
- 13.5 lecture hours, 40.5 lab hours
- Transferable to CSU/UC - UC Unit Limit
- Techniques of basketball and conditioning used in preparing for intercollegiate competition. Other: Repeatable three times only. Grades are P/NP option.

#### ATHL 2.04R Basketball Skills - Women
- 1.5 units
- 13.5 lecture hours, 40.5 lab hours
- Transferable to CSU/UC - UC Unit Limit
- Techniques of basketball and conditioning used in preparing for intercollegiate competition. Other: Repeatable three times only. Grades are P/NP option.

#### ATHL 2.07R Football Skills
- 1.5 units
- 13.5 lecture hours, 40.5 lab hours
- Transferable to CSU/UC - UC Unit Limit
- Preparatory skills necessary for intercollegiate competition in football. Development in offensive and defensive systems, including passing, kicking, blocking and conditioning. Other: Repeatable three times only. Grades are P/NP option.

#### ATHL 2.08R Soccer Skills
- 1.5 units
- 13.5 lecture hours, 40.5 lab hours
- Transferable to CSU/UC - UC Unit Limit
- Preparatory skills necessary for intercollegiate competition in soccer. Development in offensive and defensive systems, including passing, kicking, blocking, and conditioning. Other: Repeatable three times only. Grades are P/NP option.

#### ATHL 2.09R Softball Skills - Women
- 1.5 units
- 13.5 lecture hours, 40.5 lab hours
- Transferable to CSU/UC - UC Unit Limit
- Techniques of softball and conditioning used in preparing for intercollegiate competition. Other: Repeatable three times only. Grades are P/NP option.
ATHL 2.10R Soccer Skills - Women
1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Development of various collegiate level soccer skills and strategies for women. This course will include analysis of scouting reports and film reviews; as well as the practical application of various physical training concepts. Other: Repeatable three times only. Grades are P/NP option.

ATHL 2.11R Track and Field Skills
1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Fundamental techniques and conditioning necessary for participation in intercollegiate track and field competition for men and women. Other: Repeatable three times only. Grades are P/NP option.

ATHL 2.12R Soccer Skills - Men
1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Advanced skills and techniques necessary for competitive volleyball play including conditioning, rules of play, and advanced offensive and defensive strategies. Other: Repeatable three times only. Grades are P/NP option.

ATHL 2.13R Volleyball Skills
1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Preparation and competition for intercollegiate men’s volleyball. Development of offensive and defensive systems, including passing, blocking, and conditioning. Other: Repeatable three times only. Grades are P/NP option.

ATHL 2.15R Intercollegiate Track and Field - Men
3 units
175 lab hours
Transferable to CSU/UC - UC Unit Limit
Preparation and competition for Intercollegiate Men’s Track and Field. Collegiate techniques and strategies will be implemented. Other: Repeatable three times only.

ATHL 2.16R Intercollegiate Track and Field - Women
3 units
175 lab hours
Transferable to CSU/UC - UC Unit Limit
Preparation and competition in Track and Field for Women. Advanced collegiate techniques and skills will be performed and practiced each week. Other: Repeatable three times only.

ATHL 31R Intercollegiate Volleyball - Women
3 units
175 lab hours
Transferable to CSU/UC - UC Unit Limit
Intercollegiate volleyball competition. Collegiate volleyball techniques and strategies will be performed and practiced each week. Practice and competition required. Other: Repeatable three times only.

ATHL 32R Intercollegiate Basketball - Men
1.5 units
87.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Intercollegiate basketball, individual skills, position play, team play, and game strategy. Practice and competition required. Other: Repeatable three times only.

ATHL 33R Intercollegiate Softball - Women
1.5 units
175 lab hours
Transferable to CSU/UC - UC Unit Limit
Intercollegiate softball competition, individual skills, position play, team play, and game strategy. Practice and competition required. Other: Repeatable three times only.

ATHL 36R Intercollegiate Track and Field - Men
3 units
175 lab hours
Transferable to CSU/UC - UC Unit Limit
Preparation and competition in Intercollegiate Track and Field for Men. Advanced collegiate techniques and skills will be performed and practiced each week. Other: Repeatable three times only.

ATHL 37R Intercollegiate Soccer - Women
3 units
175 lab hours
Transferable to CSU/UC - UC Unit Limit
Intercollegiate soccer competition including: shooting, heading, controlling, dribbling, passing, tackling, scoring, and goal keeping. Practice and competition required. Other: Repeatable three times only.
TUNE-UP AND DRIVEABILITY

(Associate in Science)

Students who complete this program should be able to:
1. Demonstrate appropriate mathematical concepts and methods to measure and calculate for needed repair and diagnosis.
2. Demonstrate personal and professional health practices required for the Auto body industry.
3. Demonstrate professional work ethics and standards that are expected when working in the Auto body industry.

Required Courses

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 20 Automotive Technical Skills</td>
</tr>
<tr>
<td>AUTO 22 Hydraulics (Fluid Power)</td>
</tr>
<tr>
<td>AUTO 30 Manual Drive Trains-Gas and Diesel Vehicles</td>
</tr>
<tr>
<td>AUTO 31 Automatic Transmissions Gas and Diesel Repairs</td>
</tr>
<tr>
<td>AUTO 62A Auto Transmission/Transaxle Exp</td>
</tr>
<tr>
<td>AUTO 62B Manual Drive Trains and Axles Exp</td>
</tr>
</tbody>
</table>
| Plus 1 additional unit of AUTO classes | |}

Total units required: 18

AUTOMOTIVE EMISSION TECHNICIAN

(Certificate of Achievement)

Students who complete this program should be able to:
1. Demonstrate basic technical skills used by all automotive service and repair technicians in the area of engine management.
2. To include tool selection, use and maintenance, practical measuring skills, nomenclature, systems function, systems service, minor repair procedures, and major repair complexities.
3. Students who complete this program should be able to:
   3. Demonstrate the skills to prepare and take the Automotive Engine Rebuilders Association (ASE) A1 exam through performing diagnostic analysis and repair on cylinder heads and engine blocks.

Required Courses

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 51.20 Automotive Technical Skills</td>
</tr>
<tr>
<td>AUTO 21 Introduction to Automobiles</td>
</tr>
<tr>
<td>AUTO 52.40 Brake Systems</td>
</tr>
<tr>
<td>AUTO 52.41 Alignment and Suspension</td>
</tr>
<tr>
<td>AUTO 52.44 Electrical Systems</td>
</tr>
<tr>
<td>AUTO 52.46 Engine Diagnosis and Rebuilding</td>
</tr>
<tr>
<td>AUTO 52.81 Hybrid and Alternative Fuel Vehicles</td>
</tr>
<tr>
<td>AUTO 53.31 Automatic Transmission/Gas and Diesel Vehicles</td>
</tr>
<tr>
<td>AUTO 56.2A Automatic Transmission and Transaxle Experience</td>
</tr>
<tr>
<td>AUTO 56.2B Drive Trains and Axles Experience</td>
</tr>
<tr>
<td>Total units required: 41</td>
</tr>
</tbody>
</table>

AUTOMOTIVE TECHNOLOGY

(Certificate of Achievement)

Students who complete this program should be able to:
1. Demonstrate basic technical skills used by all automotive service and repair technicians in the areas of brake systems, suspension and steering, and HVAC.
2. To include tool selection, use and maintenance, practical measuring skills, nomenclature, systems function, systems service, minor repair procedures, and major repair complexities.
3. Students who complete this program should be able to:
   3. Demonstrate knowledge of current automotive electrical systems, and all major fuel systems with emphasis on diagnosis, service and repair, proper safety awareness in the workplace, knowledge of hybrid electrical motors and governors, controls, diagnosis of vehicle computer systems using a scan tool.

Required Courses

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>AUTO 51.20 Automotive Technical Skills</td>
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<tr>
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</tr>
<tr>
<td>AUTO 56.2B Drive Trains and Axles Experience</td>
</tr>
<tr>
<td>Total units required: 41</td>
</tr>
</tbody>
</table>

TRANSPORTATION ENGINE REPAIR AND MACHINING

(Certificate of Achievement)

Students who complete this program should be able to:
1. Demonstrate appropriate mathematical concepts and methods to measure and calculate for needed repair and diagnosis.
2. Demonstrate personal and professional health practices required for the Auto body industry.
3. To include tool selection, use and maintenance, practical measuring skills, nomenclature, structural analysis, major design theories, systems function, systems service, minor repair procedures, major repair complexities, current laws and regulations, political action, and personal economics/decision making.

Required Courses

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 20 Automotive Technical Skills</td>
</tr>
<tr>
<td>AUTO 33 Fuel Systems</td>
</tr>
<tr>
<td>AUTO 36 Air Conditioning and Heating Systems</td>
</tr>
<tr>
<td>AUTO 44 Electrical Systems</td>
</tr>
<tr>
<td>AUTO 85 Advanced Tune-Up</td>
</tr>
<tr>
<td>AUTO 95 State Emission Control License</td>
</tr>
<tr>
<td>AUTO 61D Engine Performance Experience</td>
</tr>
<tr>
<td>AUTO 51.21 Introduction to Automobiles</td>
</tr>
<tr>
<td>AUTO 52.41 Alignment and Suspension</td>
</tr>
<tr>
<td>AUTO 52.44 Electrical Systems</td>
</tr>
<tr>
<td>AUTO 52.46 Engine Diagnosis and Rebuilding</td>
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<tr>
<td>AUTO 53.31 Automatic Transmission/Gas and Diesel Vehicles</td>
</tr>
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<td>AUTO 56.2A Automatic Transmission and Transaxle Experience</td>
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<tr>
<td>AUTO 56.2B Drive Trains and Axles Experience</td>
</tr>
<tr>
<td>AUTO 56.2C Drive Trains and Axles Experience</td>
</tr>
<tr>
<td>AUTO 56.2D Brakes Experience</td>
</tr>
<tr>
<td>AUTO 56.2E Heating and Air Conditioning Experience</td>
</tr>
<tr>
<td>Total units required: 20.5</td>
</tr>
</tbody>
</table>

TUNE-UP AND DRIVEABILITY

(Certificate of Achievement)

Students who complete this program should be able to:
1. Demonstrate appropriate mathematical concepts and methods to measure and calculate for needed repair and diagnosis.
2. Demonstrate personal and professional health practices required for the Auto body industry.
3. To include tool selection, use and maintenance, practical measuring skills, nomenclature, structural analysis, major design theories, systems function, systems service, minor repair procedures, major repair complexities, current laws and regulations, political action, and personal economics/decision making.

Required Courses

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</tr>
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<td>AUTO 56.2E Heating and Air Conditioning Experience</td>
</tr>
<tr>
<td>Total units required: 20.5</td>
</tr>
</tbody>
</table>

2020-2021 Catalog
Programs and Courses

AUTO 22  Hydraulics (Fluid Power)  3 units
36 lecture hours, 54 lab hours
Transferable to CSU
This course covers a comprehensive study of hydraulics (fluid power). Emphasis is placed on basic principles of hydraulics, pumps, fluids, and actuating systems. Grades are P/NP option.

AUTO 50B  Advanced Engine Performance and Diagnosis  2 units
27 lecture hours, 40 lab hours
This course covers a comprehensive study of advanced engine performance diagnosis. Emphasis is placed on automotive and diesel engine diagnosis and repair, fuels, electrical, and emissions control. Labs include diagnostic skills in drivability, onboard diagnostics I & II, including scan tools, meter usage, lab exercises and dynamometers, five-gas emission diagnostic equipment and other related equipment. Grades are P/NP option.

AUTO 51.20  Automotive Technical Skills  3 units
36 lecture hours, 54 lab hours
This course covers basic automotive technical skills used by all automotive service and repair technicians. Emphasis is placed on tool selection, use and maintenance of tools, practical measuring skills, bolt and screw thread repair techniques, electrical circuit meter usage and problem solving techniques. Grades are P/NP option.

AUTO 52.30  Manual Drivetrains/Gas and Diesel Vehicles  3 units
36 lecture hours, 54 lab hours
This course covers a comprehensive study of automotive manual drivetrains. Emphasis is placed on standard transmissions and transaxles, clutches, drive shafts, drive axle assemblies, transfer cases, gears, bearings, lubrication theory, normal maintenance adjustments and service operations, problem diagnosis and overall procedures for gasoline and diesel vehicles. Students are strongly encouraged to have college-level reading, basic mathematics, and computer literacy skills. Grades are P/NP option.

AUTO 52.36  Heating and Air Conditioning  3 units
36 lecture hours, 54 lab hours
This course covers a comprehensive study of automotive heating, air conditioning and ventilation systems. Emphasis is placed on heating, cooling, and air conditioning systems, engine cooling system, adjustment procedures, problem diagnosis, system operation with normal service, repair procedures, and introduction to automatic temperature systems. Students are strongly encouraged to have college-level reading, basic mathematics, and computer literacy skills. Grades are P/NP option.

AUTO 52.40  Brake Systems  4 units
54 lecture hours, 54 lab hours
This course covers a comprehensive study of automotive braking systems. Emphasis is placed on brake theory, hydraulic operation, hydraulic control valves, power brake systems, electric control systems and anti-lock brake systems (ABS), industry standards and practices for the inspection, diagnosis, service, and repair of automotive and light truck braking systems. Students are strongly encouraged to have college-level reading, basic mathematics, and computer literacy skills. Grades are P/NP option.

AUTO 52.41  Alignment and Suspension  4 units
54 lecture hours, 54 lab hours
This course covers a comprehensive study of automotive alignment and suspension systems. Emphasis is placed on suspension and steering operation theory, 4-wheel alignment, front and rear-wheel alignment, tire repair and balancing, replacement of suspension and steering components, and rebuilding of steering gears and pumps. Students are strongly encouraged to have college-level reading, basic mathematics, and computer literacy skills. Grades are P/NP option.

AUTO 52.44  Electrical Systems  6 units
74 lecture hours, 108 lab hours
Other: Concurrent enrollment in Auto 53.33 is recommended. It is also recommended that a student enroll in both Auto 53.33 and Auto 53.44 for ASE/BAR Automotive A6 and All Engine Performance certification. Students will need this certification for enrollment in Auto 53.55 (Advanced Tune-up course) and Auto 95 (CA Smog Licensing course) the following semester.
This course covers a comprehensive study of current automotive electrical systems. Emphasis is placed on theory, diagnosis, service and wire repair techniques, fundamentals of circuit construction, ignition systems, charging and starting systems, domestic and import computer management systems, wiring diagram theory, troubleshooting systems, domestic and import computer management systems, wiring diagram theory, troubleshooting systems, domestic and import computer management systems, wiring diagram theory, troubleshooting systems. Students are strongly encouraged to have college-level reading, basic mathematics, and computer literacy skills. Grades are P/NP option.

AUTO 52.45  Engine Diagnosis and Rebuilding  4 units
36 lecture hours, 108 lab hours
This course covers a comprehensive study of automotive engine diagnosis and rebuilding. Emphasis is placed on theory of operation, pre-takedown diagnosis, assembly techniques, engine cleaning methods, measurement tools, component identification, lubrication systems, engine ownership break-in procedures, and introducing alternative fuel and hybrid engine drivetrains. Students are strongly encouraged to have college-level reading, basic mathematics, and computer literacy skills. Grades are P/NP option.

AUTO 52.46  Engine Machining and Reconditioning  3 units
36 lecture hours, 54 lab hours
Corequisite: Concurrent enrollment or satisfactory completion of AUTO 52.44
This course covers an advanced comprehensive study of automotive engine machining and reconditioning techniques. Emphasis is placed on high performance production machining, machining of engine blocks, cylinder heads, valves and valve seats, connecting rods, cleaning and reassembling techniques, proper disassembly, and precision measurements. This course is intended for students who desire further study and skills working with automotive engine machining and assembly methods. Students are strongly encouraged to have college-level reading, basic mathematics, and computer literacy skills. Grades are P/NP option.

AUTO 52.61A  Engine Repair Experience  1 unit
54 lab hours
Corequisite: Concurrent enrollment or satisfactory completion of AUTO 52.45
This course involves individualized advanced techniques with a strong emphasis on specialized training in automotive engine repair. Emphasis is placed on engine failure diagnosis, tear-down, machining and assembly. This course is intended primarily for students with prior practical experience in automotive engine repair. Students are strongly encouraged to have problem solving and computer literacy skills. Grades are P/NP option.

AUTO 52.61B  Engine Machining and Reconditioning Experience  1 unit
54 lab hours
Corequisite: Concurrent enrollment or satisfactory completion of AUTO 52.45
This course involves individualized advanced techniques with a strong emphasis on specialized training in automotive engine repair. Emphasis is placed on engine failure diagnosis, tear-down, machining and assembly. This course is intended primarily for students with prior practical experience in automotive engine repair and reconditioning. Students are strongly encouraged to have problem solving and computer literacy skills. Grades are P/NP option.

AUTO 52.61C  Electrical Systems Experience  1 unit
54 lab hours
Corequisite: Concurrent enrollment or satisfactory completion of AUTO 52.45
This course involves individualized advanced techniques with a strong emphasis on specialized training in automotive engine repair. Emphasis is placed on engine failure diagnosis, tear-down, machining and assembly. This course is intended primarily for students with prior practical experience in automotive engine repair and reconditioning. Students are strongly encouraged to have problem solving and computer literacy skills. Grades are P/NP option.

AUTO 52.62A  Automatic Transmission and Transaxle Experience  1 unit
54 lab hours
Corequisite: Concurrent enrollment or satisfactory completion of AUTO 55.31
This course involves individualized advanced techniques with a strong emphasis on specialized training in automotive automatic transmissions and transaxles. Emphasis is placed on diagnosis of mechanical and electrical systems, techniques for pre-assembly, disassembly, and on the road dyno testing of completed transmissions. Students are strongly encouraged to have problem solving and computer literacy skills. Grades are P/NP option.

AUTO 52.62B  Manual Drivetrain and Axles Experience  1 unit
54 lab hours
Corequisite: Concurrent enrollment or satisfactory completion of AUTO 55.30
This course covers individualized advanced techniques with a strong emphasis on specialized training in automotive manual drivetrains and axles. Emphasis is placed on removal and installation considerations, diagnosis of transmissions, clutches, transfer cases, differentials, and electrical systems used in manual drivetrain applications. Students are strongly encouraged to have problem solving, computer literacy skills, and basic electrical skills.

AUTO 52.62C  Alignment and Suspension Experience  1 unit
54 lab hours
Corequisite: Concurrent enrollment or satisfactory completion of AUTO 55.41
This course covers individualized advanced techniques with a strong emphasis on specialized training in automotive alignment and suspension. Emphasis is placed on 4-wheel alignment, tire repair, balancing, replacement of suspension and steering components, electrical diagnosis as it relates to tire pressure monitoring system, and ride control. Students are strongly encouraged to have problem solving skills and computer literacy skills.

Programs and Courses

2020-2021 Catalog
Programs and Courses

AUTO 52.6D

Brakes Experience  1 unit
54 lab hours
Corequisite: Concurrent enrollment or satisfactory completion of: AUTO 52.40

This course covers individualized advanced techniques with a strong emphasis on specialized training in automotive brake systems. Emphasis is placed on diagnosing and repairing disc and drum brake systems, wheel and hub bearings, electrical diagnosis as it relates to anti-lock brake systems (ABS) and traction control. Students are strongly encouraged to have problem solving skills and computer literacy skills.

AUTO 52.6E

Heating and Air Conditioning  1 unit
Experience
54 lab hours
Corequisite: Concurrent enrollment or satisfactory completion of: AUTO 52.36

This course covers individualized advanced techniques with a strong emphasis on specialized training in automotive heating and air conditioning. Emphasis is placed on recovering and recharging of air conditioning system, heating system, sensors such as pressure switches, system controls, and electrical diagnosis. Students are strongly encouraged to have problem solving skills and computer literacy skills. Grades are P/NP option.

AUTO 52.81

Hybrid and Alternative Fuels  2 units
Vehicles
27 lecture hours, 42 lab hours
This course covers a comprehensive study of hybrid and alternative fuel vehicles. Emphasis is placed on safety when using high voltage, maintenance, drivability, inverter power, transfer battery technologies, hydrogen electric power, and fuel cell technology. Labs include performing scheduled hybrid maintenance services. Introduction to hybrid vehicle diagnosis and repair. Development of entry-level skills needed to work on hybrid vehicles.

AUTO 53.31

Automatic Transmission/Gas  4 units
and Diesel Vehicles
54 lecture hours, 54 lab hours
This course covers a comprehensive study of automatic transmissions and transaxles. Emphasis is placed on operating principles, planetary gear sets, hydraulic operations, electronic controls, torque converters, normal maintenance adjustments and service operations, problem diagnosis, and overhaul procedures for automotive and truck applications. Students are strongly encouraged to have college-level reading, basic mathematics, and computer literacy skills. Grades are P/NP option.

AUTO 53.33

Fuel Systems  4 units
36 lecture hours, 106 lab hours
Conditions of Enrolment: Concurrent enrollment in AUTO 53.44 is required. It is also recommended that a student enroll in both AUTO 53.33 and AUTO 53.44 for ASE/Bar Exam preparation. A6 and A8 Engine Performance certification. Students will need this certification for enrollment in AUTO 53.55 (Advanced Tune-Up course) and AUTO 96 (CA Smog Licensing course) the following semester.

This course covers a comprehensive study of conventional and advanced automotive fuel systems. Emphasis is placed on electronic fuel injection, computerized fuel management systems, 5-gas analyzers and combustion theory. Students are strongly encouraged to have college-level reading, basic mathematics, and computer literacy skills. Grades are P/NP option.

AUTO 53.55

Advanced Tune-Up  5 units
36 lecture hours, 162 lab hours
Prerequisite: Satisfactory completion of: AUTO 53.33; AUTO 52.44

This course covers a comprehensive study of advanced automotive tune-up. Emphasis is placed on problems pertaining to fuel delivery, ignition, emission, computers and electronic engine controls, wiring systems, and mechanical engine diagnostics. Latest diagnostic strategies and extensive troubleshooting, use of diagnostic test equipment, lab oscilloscopes, scan-tools, and emission analyzers. Students are strongly encouraged to have college-level reading, basic mathematics, and computer literacy skills. Grades are P/NP option.

AUTO 70

Introduction to Autobody  4 units
54 lecture hours, 54 lab hours
Introduces the student to the fundamentals of Autobody Collision repair. Topics include hazardous material regulations including handling, storage, and disposal of hazardous wastes, SDS code information, personal protective equipment, repair facility safety, basic electrical circuitry, electric hybrid vehicles, vehicle design and collision energy management, PDR identification usage, and maintenance. Grades are P/NP option.

AUTO 75

I-Car Structural Steel 1  4 units
54 lecture hours, 24 lab hours
This course will cover the principal and theory of automotive collision repair including component alignment, component replacement, structural panel repair or replacement, and chassis/frame alignment. Sectioning and full-panel replacement techniques and procedures are covered. Practical applications are emphasized. Students enrolled in the Auto Body Technology program at Yuba College (YC) may be eligible to apply for Inter-Conference on Automotive Repair (I-CAR) points. This YCCI-CAR alliance course also prepares students for Automotive Service Excellence (ASE) testing and National Automotive Technicians Education Foundation (NATEF) training standards. Grades are P/NP option. (L)

AUTO 76

I-Car Autobody - Structural 1 and 2  5 units
72 lecture hours, 54 lab hours
This course provides the technical information and hands on experience needed to perform cosmetic straightening of steel, aluminum and plastic repair. Topics include: repair and replacement of bolted on panels; repair, replacement, and repair of bumper facias; removal and replacement of headlight and tail lamp assemblies; removal, replacement and adjustment of movable glass. Introduction to steel GMAW-MIG welding, aluminum GTAW-TIG welding, STS/WSW squeeze, type resistance spot welding, MIG Brazing, nitrogen plastic welding, plasma arc cutting and adhesively bonded panel replacement. Body working hand tools, abrasives and fillers will be covered. Grades are P/NP option. (L)

AUTO 77

I-Car Autobody - Refinishing 1 and 2  7 units
72 lecture hours, 54 lab hours
This course covers principles of paint finish application, tinting/blending, color adjustments, color mismatch problems, finish inspection, removal of finish defects, interior and exterior detailing, refinishing equipment, surface prep, and masking. Other topics include paint application techniques, corrosion protection, new paint technologies, color identification, and vehicle color codes. This course will also provide the information needed to start a home based detailing business. The course also addresses compliance with OSHA and EPA rules. Students enrolled may be eligible to apply for Inter- Industry Conference on Automotive Collision Repair (I-CAR) points. This YCCI-CAR alliance course also prepares students for ASE testing. Grades are P/NP option. (L)

AUTO 95

State Emission Control License  7 units
117 lecture hours, 30 lab hours
This course prepares students for a Smog Check Inspection Repair license. Intended for students that possess ASE/BAR certifications in the following areas: AE-Automatic Electrical and Electronic Systems, AB-Automatic Engine Performance. Students must be currently enrolled in electrical/automotive fuel systems and advanced engine performance/diagnostic courses. This is an intensive review of automotive electrical/electronic systems, engine mechanical, emission controls, and computer control systems as they relate to automotive emissions control. This course satisfies the ASE/BAR training requirement when applying for Smog Check technician licenses and may be used by the applicant in lieu of the ASE certifications. Grades are P/NP option. (L)

Programs and Courses

Biology

The Associate of Science Degree in Biology is designed to provide students for transfer to four-year universities for pre-professional studies in medical, dental and pharmacy programs. The Biology program at Yuba College offers a range of courses that fulfill general education and corequisite requirements and prepares students for further study in Biology leading to BA, BS, MA, MS and/or Ph.D. degrees.

BIOLOGY

(Associate in Science)

Students who complete this program should be able to:
1. Demonstrate an understanding of the fundamental principles as it relates to their degree path. These fundamental principles include: cell theory, gene theory and heredity. Visual courses can assist these principles at any level of biological hierarchy from molecular structure through organismal structures to complete ecosystems.
2. Demonstrate an understanding of topics involving and interacting with organisms that has evolved with each other and their environment including the flow and use of energy within their environment. Students should show knowledge of larger scale biological topics including diversity, population dynamics, and competition within ecosystems.
3. Apply the scientific method to original or pre-designed biological experiments. Students should be able to create or assess a hypothesis, conduct experiments, correctly interpret results, and effectively communicate findings while relating such findings to the scientific community.
4. Show proficiency using biological laboratory techniques practiced in a given coursework. Students should show knowledge applied techniques such as, but not limited to, microscopy, dissection, sterile techniques, sample identification and chemical assays. Students will also learn instrumentation or other experimental results.

Required Courses

<table>
<thead>
<tr>
<th>Units</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>BIOL 1 Principles of Biology...</td>
</tr>
<tr>
<td>4</td>
<td>BIOL 2 General Zoology...</td>
</tr>
<tr>
<td>4</td>
<td>BIOL 3 General Botany...</td>
</tr>
<tr>
<td>4</td>
<td>CHEM 1A General Chemistry I...</td>
</tr>
<tr>
<td>4</td>
<td>CHEM 1B General Chemistry II...</td>
</tr>
<tr>
<td>3</td>
<td>PHYS 2A General Physics...</td>
</tr>
<tr>
<td>3</td>
<td>PHYS 2B General Physics...</td>
</tr>
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<td>1</td>
<td>PHYS 2B General Physics Lab...</td>
</tr>
<tr>
<td>4</td>
<td>PHYS 4A Mechanic...</td>
</tr>
<tr>
<td>4</td>
<td>PHYS 4B Electromagnetism...</td>
</tr>
</tbody>
</table>

AND one of the following depending on where student will transfer:

MATH 1A First Year Calculus... |
MATH 9 Calculus for Business, Social and Life Science... |

<table>
<thead>
<tr>
<th>Units</th>
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</tr>
</thead>
<tbody>
<tr>
<td>15 - 36</td>
<td>STAT 1 Introduction to Statistical Methods...</td>
</tr>
</tbody>
</table>

Students earning an AAS degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the health requirement, in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

Also recommended, but not required:
CHEM 18A Organic Chemistry I... |
CHEM 18B Organic Chemistry II... |
The Associate degree in Biology is designed to prepare students for an automatic transfer to California State University institutions with Biology degrees. The Biology program at Yuba College offers a range of courses that fulfill general education and transfer requirements and prepares students for further study in Biology leading to BA, BS, MA, MS and/or Ph.D. degrees.

**BIOLOGY (Associate in Science for Transfer)**

Students who complete this program should be able to:

1. Analyze data/information in addressing and evaluating scientific problems
2. Understand the purpose of scientific inquiry and the implications and applications of basic scientific principles
3. Using the Scientific Method, students will be able to correctly interpret experimental data and effectively communicate the findings and implications of that data in writing.

**Required Courses**

<table>
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<tr>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>BIOL 1 Principles of Biology and Gen. Math 1A or Math 1B.</td>
</tr>
<tr>
<td>4</td>
<td>PHYS 2A General Physics and laboratory or PHYS 2B General Physics and laboratory.</td>
</tr>
<tr>
<td>3</td>
<td>CHEM 1A General Chemistry or CHEM 2B General Chemistry.</td>
</tr>
<tr>
<td>1</td>
<td>MATH 5A Calculus 1-Early Transcendentals.</td>
</tr>
<tr>
<td>5</td>
<td>PHYS 2B General Physics and laboratory.</td>
</tr>
</tbody>
</table>

**Optional Courses**

- PHYS 2A General Physics and laboratory.
- CHEM 1A General Chemistry or CHEM 2B General Chemistry.
- MATH 5A Calculus 1-Early Transcendentals.

**Total units required for degree major:** 35

Students earning an AA-T/AS-T degree must complete 60 semester units of coursework applicable to transfer to the CSU including the CSU GE-B Generic and IGETC or CSU GE Pattern, all courses in the major with a grade of “C” or better, and achieve a minimum transferable GPA of 2.0.

**BIOL 1 Principles of Biology** 5 units

54 lecture hours, 144 lab hours

- **Prerequisite:** Satisfactory score on mathematics placement exam or MATH 52 or MATH 52B.
- **Other:** Background in high school biology is recommended.

Transferable to CSU/UC

- **C-ID BIOL 190:** BIOL 135 S

An introduction to biology for majors that emphasizes the molecular, cellular, and environmental processes that are common to most organisms. Topics include an introduction to biocells, cell structure, cell reproduction, enzymes, fermentation, and the study of the human body at the cellular, tissue, and organ system and organismal levels. Includes physiological topics within the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems.

**BIOL 2 General Zoology** 4 units

36 lecture hours, 108 lab hours

- **Prerequisite:** Satisfactory completion of: BIOL 1; MATH 52 or MATH 52B or satisfactory score on mathematics placement exam.

Transferable to CSU/UC

- **C-ID BIOL 155:** BIOL 135 S

Applications the concepts introduced in Biology 1 to the study of plants and general ecology. Topics include morphology, physiology, systematics, and evolutionary trends among microorganisms, plants, animals, and other populations. The unit of ecology, communities, and ecosystems dynamics of higher plants will be emphasized. Designed primarily for biology majors and related fields but open to all qualified students.

**BIOL 3 General Botany** 4 units

36 lecture hours, 108 lab hours

- **Prerequisite:** Satisfactory completion of: BIOL 1 or BIOL 15

Transferable to CSU/UC

- **C-ID BIOL 110B:** BIOL 135 S

An introduction to the gross, microscopical and organizational structure of the human body. Emphasizes the interrelationship between structure and function of cells, tissues, organs, and systems. The course is primarily intended for nursing, allied health, kinesiology, and other health related majors.

**BIOL 4 General Human Anatomy** 4 units

36 lecture hours, 108 lab hours

- **Prerequisite:** Satisfactory completion of: BIOL 1 or BIOL 15

Transferable to CSU/UC

- **C-ID BIOL 110B:** BIOL 135 S

An introduction to the physiological principles, function, integration and homeostasis of the human body at the cellular, tissue, organ, and organismic levels. Includes physiological topics within the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems.

**MISC**

**Courses and Programs**

- **ECE 3 Child Growth and Development.**
- **STAT 1 Introduction to Statistical Methods.**
- **NURS 36 Pathophysiology: Understanding Disease.**
- **BIOL 4 Human Anatomy.**
- **BIOL 5 Human Physiology.**
- **PSYCH 1A General Psychology.**
- **C-ID BIOL 155:** BIOL 135 S

See your counselor for additional information.
Programs and Courses

BIOL 6 Introductory Microbiology 4 units
36 lecture hours, 108 lab hours
Prerequisite: Satisfactory completion of: BIOL 1 or BIOL 15
Transferable to CSU/UC

History, structure, metabolism, genetics, and ecology of microscopic life forms; their relationship to diseases, immunology, agriculture, and industry. Laboratory emphasizes the development of techniques for the detection, isolation, and identification of both harmless and pathogenic species. (L)

BIOL 10 General Biology 3 units
54 lecture hours
Transferable to CSU/UC - UC Unit Limit
The science of life for non-science majors. Provides an overview of the world of living organisms including their classification and unifying characteristics. Introduces basic biological processes such as homeostasis, photosynthesis, cellular respiration, DNA function, cellular reproduction, evolution, and ecosystem interactions with an emphasis on the relationship of structure to function and the interrelationships of living organisms. Lecture only. Not open for credit to student with credit in BIOL 10L. Grades are P/NP option. (L)

BIOL 10L General Biology 4 units
54 lecture hours, 54 lab hours
Transferable to CSU/UC - UC Unit Limit
The science of life for non-science majors. Provides an overview of the world of living organisms including their classification and unifying characteristics. Introduces basic biological processes such as homeostasis, photosynthesis, cellular respiration, DNA function, cellular reproduction, evolution, and ecosystem interactions with an emphasis on the relationship of structure to function and the interrelationships of living organisms. Lecture only. Not open for credit to student with credit in BIOL 10L. Grades are P/NP option. (L)

BIOL 11 General Biology Laboratory 1 unit
54 lab hours
Corequisite: Concurrent enrollment or satisfactory completion of: BIOL 10
Transferable to CSU/UC - UC Unit Limit
Hands-on laboratory study of biology for non-science majors. Exploration of origin, characteristics, regulation, energy utilization, respiration, and interrelationships of living organisms. Not open for credit to students with credit in BIOL 10L. Grades are Letter or P/NP option. (L)

BIOL 15 Bioscience 4 units
54 lecture hours
Transferable to CSU/UC - UC Unit Limit
Introduction to the unifying principles of biology including the chemistry of life, structure and function, energy, genetics, evolution, and organismal structure. Grades are P/NP option. (L)

BIOL 24 Human Biology 3 units
54 lecture hours
Transferable to CSU/UC - UC Unit Limit
An introduction to general biology of human beings. Emphasis is placed on the concepts, mechanisms and terminology used in anatomy, physiology and ecology. Topics include cell structure and function, human evolution, anatomy and physiology of the organ systems, genetics, and the human impact on the environment. (L)

BIOL 24L Human Biology with Laboratory 4 units
54 lecture hours, 54 lab hours
Transferable to CSU/UC - UC Unit Limit
An introduction to the general biology of human beings. Emphasis is placed on the concepts, mechanism and terminology used in anatomy, physiology and ecology. Topics include cell structure and function, human evolution, anatomy and physiology of the organ systems, genetics, and the human impact on the environment. The lab portion of the course will provide an introduction to general biology laboratory with an emphasis on humans. Topics include microscopy, cell structure and function, human anatomy and physiology and genetics. Grades are P/NP option.

BIOL 25 Human Genetics 3 units
54 lecture hours
Transferable to CSU/UC
Designed for non-science majors to provide an understanding of basic principles of genetics, current developments in genetics, and the influence of genes and the environment in determining human characteristics. Grades are P/NP option. (L)

BIOL 34 Active Anatomy 1 unit
18 lecture hours
Transferable to CSU/UC
Active Anatomy is designed to engage students in the process of learning human anatomy. Students will work collaboratively to learn, review and discover the anatomy of the human body. Students will participate in activities and games to build anatomy knowledge and understanding. (L)

BIOL 35 Problem Solving in Physiology 1 unit
18 lecture hours
Transferable to CSU/UC
A companion course to BIOL 5, Human Physiology, appropriate for those wishing additional review in Physiology. Lectures, discussions, and case histories used to explore difficult concepts such as osmolarity, nervous system function, acid-base balance, hormone control, immunity. Time will be allowed for consideration of topics chosen by students. (L)

Business Accounting

ACCOUNTING
(Associate in Science)

Students who complete this program should be able to:
1. Create accurate, professional, and appropriate accounting documents and reports for the business entity served.
2. Compute financial data using accounting concepts and methods fundamental to understanding, analyzing, and communicating issues in quantitative terms.
3. Analyze accounting information in addressing and evaluating problems and issues in making informed business decisions.
4. Demonstrate effective use of technology applicable to the accounting field.

Required Courses

Units

ACCT 1L Principles of Accounting - Financial 4.5
ACCT 1L Principles of Accounting - Managerial 3
ACCT 2L Principles of Accounting - Computerized 3.5
ACCT 3 Computerized Accounting 3.5
BCA 15 Business Computer Applications - Beginning 3
BCA 15 Business Computer Applications - Advanced 3
BCA 34 Advanced Excel 1.5
BCA 418 Windows XP 1
GNBUS 10 Introduction to Global Business 3
GNBUS 18A Business Law 3
GNBUS 56 Business Mathematics 3
OA 22 Machine Calculation 1.5
Total units required for degree major 31

Students earning an AAAS degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the health requirement, in addition to the program units listed here. Students must complete at least 50 degree applicable units to earn an AAAS. Please see your counselor for additional information.

Additional Recommended Courses

ACCT 5 Individual Income Taxes-Federal/State 4
ACCT 9 Business Payroll Procedures 3.5
CWE 45 Occ. Work Experience OR INTRN 46 Internship 1.8
ECON 1A Elementary Economics - Macro 3
OA 15A Elementary Typing 3
SPECH 6 Group Communication 3

Total units required 72

Prerequisite: Satisfactory completion of: GNBUS 30 or GNBUS 53
Corequisite: Concurrent enrollment or satisfactory completion of: ACCT 1A. Students are strongly recommended to take ACCT 1A prior to this class.

Transferable to CSU/UC

C-ID:ACCT 110 (ACCT 1 & ACCT 1A)

This is the study of accounting as an information system, examining why it is important and how it is used by investors, creditors, and others to make decisions. The course covers the accounting information system, including recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the financial statements, and the statement of cash flows. Includes issues related to asset, liability, equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics. (L/M)

ACCT 1A Principles of Accounting - Financial Lab .5

27 lab hours
Corequisite: Concurrent enrollment or satisfactory completion of: ACCT 1
Transferable to CSU/UC

C-ID:ACCT 110 (ACCT 1 & ACCT 1A)

Laboratory to accompany Principles of Accounting - Financial (ACCT 1). Students use the computer as a tool in solving accounting problems. Includes spreadsheets and computerized accounting systems. Each student is required to have some type of storage device to save their files on. (L/M)
Programs and Courses

ACCT 2L  Principles of Accounting- Managerial  5 units
72 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: BCA 15 and ACCT 1 and ACCT 1A or ACCT 1L
Transferable to CSU/UC

C-ID ACCT 120
Emphasizes accounting principles and tools used by management in decision-making, planning, directing and controlling operations. Focuses on cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. Includes budgetary techniques, issues relating to cost systems, cost control, profit planning, and performance analysis for manufacturing and service environments; and utilizing computer applications as a tool in preparing and analyzing managerial related accounting reports. (L,M,C)

ACCT 3  Computerized Accounting  3 units
45 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: ACCT 10A or ACCT 1 or ACCT 1L or ACCT 2L
Transferable to CSU

Computerized accounting using QuickBooks Pro. Basic through intermediate features for small and medium size businesses including banking, sales and customers, purchases and vendors, inventory, reports and graphs. Application of all aspects of accounting cycle.

ACCT 6  Individual Income Taxes- Federal and State  4 units
72 lecture hours
Other: ACCT 10A or prior knowledge of accounting terminology/concepts recommended.
Transferable to CSU

Individual income tax preparation, forms and computations; business and professional returns; federal and state returns. Individual Income Taxes - Federal-State (ACCT 6) is a CTEC approved course, which fulfills the 60-hour "qualifying education" requirement for tax preparers. A listing of additional requirements to register as a tax preparer may be obtained by contacting CTEC at P.O. Box 2890, Sacramento, CA 95812-2890, toll-free by phone at (877) 850-2832, or on the Internet at www.ctec.org (L,M)

ACCT 9  Business Payroll Procedures  3 units
48 lecture hours, 18 lab hours
Transferable to CSU

Introduction to payroll terminology, procedures, calculations, record-keeping, timelines, percentages, limitations, and laws that relate to maintaining payroll for business firms in California; computed payroll procedures will also be presented. Prior accounting knowledge is not necessary. (L,M)

General Business

BUSINESS ADMINISTRATION
(Associate in Science for Transfer)

Students who complete this program should be able to:
1. Demonstrate skills to produce business communications and documents.
2. Solve complex business situations through the application of business, mathematical, and technological skill.
3. Analyze both internal and external data/information in addressing and evaluating problems and issues in making informed business decisions.

Required Courses

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 1 Principles of Accounting - Financial</td>
</tr>
<tr>
<td>and</td>
</tr>
<tr>
<td>ACCT 1A Principles of Accounting - Financial Lab</td>
</tr>
<tr>
<td>ACCT 2L Principles of Accounting - Managerial</td>
</tr>
<tr>
<td>GNBUS 18A Business Law</td>
</tr>
<tr>
<td>ECON 1A Elementary Economics - Macroe.</td>
</tr>
<tr>
<td>ECON 1B Elementary Economics - Micro.</td>
</tr>
<tr>
<td>List A Courses. Choose 3-4 units (3 units may be GE):</td>
</tr>
<tr>
<td>MATH 8 Calculus for Business, Social and Life Sciences</td>
</tr>
<tr>
<td>STAT 1 Introduction to Statistical Methods</td>
</tr>
<tr>
<td>List B Courses. Choose two (6 units):</td>
</tr>
<tr>
<td>BCA 15 Business Computer Applications - Beg</td>
</tr>
<tr>
<td>GNBUS 10 Introduction to Global Business</td>
</tr>
<tr>
<td>GNBUS 21 Business Communications</td>
</tr>
<tr>
<td>Total units required for degree major</td>
</tr>
</tbody>
</table>

Students earning an AA-T/AS-T degree must complete 60 semester units of coursework eligible for transfer to CSU including the CSU GE-B or IGETC (CSU version), all courses in the major with “C” or better grades, and achieve a minimum transferable cumulative GPA of 2.0.

GENERAL BUSINESS MANAGEMENT (Associate in Science)

Students who complete this program should be able to:
1. Demonstrate skills to produce business communications and documents.
2. Solve complex business situations through the application of business, mathematical, and technological skill.
3. Analyze both internal and external data/information in addressing and evaluating problems and issues in making informed business decisions.

Required Courses

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<td>BCA 15 Business Computer Applications - Beginning</td>
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<tr>
<td>GNBUS 18A Business Law</td>
</tr>
<tr>
<td>GNBUS 56 Business Mathematics</td>
</tr>
<tr>
<td>ECON 1A Elementary Economics-Macroe.</td>
</tr>
<tr>
<td>MGMT 5 Introduction to Supervision OR</td>
</tr>
<tr>
<td>MGMT 19 Principles of Management</td>
</tr>
<tr>
<td>Plus 3 units from the following:</td>
</tr>
<tr>
<td>ACCT 1L Principles of Accounting - Financial</td>
</tr>
<tr>
<td>ACCT 2L Principles of Accounting - Managerial</td>
</tr>
<tr>
<td>ACCT 6 Individual Income Tax</td>
</tr>
<tr>
<td>GNBUS 25 Career Planning</td>
</tr>
<tr>
<td>MGMT 35 Management Psychology</td>
</tr>
<tr>
<td>OA 52/GNBUS 52 Business English</td>
</tr>
<tr>
<td>SPECH 1 Public Speaking OR</td>
</tr>
<tr>
<td>SPECH 6 Group Communication</td>
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</tr>
</tbody>
</table>

Students earning an AA-T/AS-T degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the math requirement, in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

GNBUS 1  Business Information  3 units
45 lecture hours, 37 lab hours
Transferable to CSU

Examination of information systems in business. Focus on information systems, database management systems, networking, e-commerce, ethics and security, computer systems hardware and software components. Application of these concepts and methods through projects developing computer-based solutions to business problems. (C,L)

GNBUS 5  Introduction to Supervision  3 units
54 lecture hours
Transferable to CSU

Introduction to the role of the supervisor and understanding of the basic fundamentals of supervision. A practical course designed for the potential working supervisor. (L)

GNBUS 6  Principles of Management  3 units
54 lecture hours
Transferable to CSU

Managerial and organizational theory and practice; planning, organizing, influencing and controlling. Focusing on the role, functions, and responsibilities of management in a contemporary organization. (L)
Programs and Courses

GNBUS 7 Entrepreneurship 3 units
54 lecture hours
Transferable to CSU/C
Principles of establishing and managing a small business, including the preparation of a business plan; emphasis on goal setting, types of business organizations, understanding legal and human resources within an organization, and basic personnel processes. (L)

GNBUS 8 Human Resource Management 3 units
54 lecture hours
Transferable to CSU/C
Foundations for the contemporary theory and practices relating to human resource management in the workplace. Increases awareness of individual and group behaviors, conflict, resolution, and leadership and organizational dynamics. (L)

GNBUS 10 Introduction to Global Business 3 units
54 lecture hours
Transferable to CSU/C/UC
Survey of the diverse activities of businesses operating in a changing global environment. Examines how culture and customs, global economic systems, technology, legal factors, competition, the environment, agency, and permits, financing options, accounting aspects, legal requirements, managing the enterprise, and other aspects in business entrepreneurship. Not open to students who have taken AG 14. (L,M)

GNBUS 21 Business Communications 3 units
54 lecture hours
Preliminary: Satisfactory completion of: ENGL 1A.
Other: Word processing and keyboarding skill; no handwritten work is accepted. Transferable to CSU/C
Application of principles of effective and ethical communication to the creation of letters, memos, e-mails, and written and oral reports for a variety of business situations. Development and refinement of written and oral business communication skills including planning, composing, editing, and revising business documents using word processing software for written documents and presentation software to create and deliver professional oral reports. This course is designed for students who already have college-level writing skills. Not open for credit for students with credit in OA 21. (L)

GNBUS 30 Business Computer Applications 3 units
45 lecture hours, 27 lab hours
Transferable to CSU/C
Develops basic and advanced computer skills using applications. Basic features of word processing, spreadsheet, and presentation software are covered. Hands-on activities will focus on creating simple, integrated documents for business, personal, and academic purposes. Typing skills are advised. (L,M)

GNBUS 32 Word Processing Applications 3 units
36 lecture hours, 24 lab hours
Transferable to CSU/C
Basic and advanced features of word processing. Topics include creating, editing, and saving documents; file management; basic text, paragraph, and page formatting; page numbering; printing options; tables and columns; advanced formatting; chart, form, style, graphics, border, shading, drawing, macro, sort, and merge features. Grades are P/NP. (L,M)

GNBUS 33 Spreadsheet Application 3 units
36 lecture hours, 24 lab hours
Transferable to CSU/C
Learn features of spreadsheet software applications using the interface, working with text labels, values, formulas, functions, editing and formatting, spreadsheet design for decision-making, creating charts, list and data management. Includes advanced formatting options, financial functions, 3-D formulas, and other advanced functions. Hands-on coursework that focuses on business, academic and personal applications. (L,M)

GNBUS 34 Presentation Application 1 unit
12 lecture hours, 18 lab hours
Transferable to CSU/C
Learn the basics of presentation application software and more; create presentations, add audio, video and other elements. Students are tested on data from other sources and mastery of presentation applications. (L,M)

GNBUS 37 Introduction to Database Systems 1 unit
12 lecture hours, 18 lab hours
Transferable to CSU/C
Use spreadsheet and desktop applications to develop simple to complex databases in an operating system environment. Design databases, sort and filter records, create input forms and custom formatted reports. Grades are P/NP only. (L,M)

GNBUS 41 Computer Operating Systems 1 unit
12 lecture hours, 18 lab hours
Transferable to CSU/C
Gain a comprehensive understanding of computer operating systems, including the new features of the operating system. Focuses on daily tasks such as creating and organizing files, customizing the workspace, fine-tuning performance, maintaining and protecting your computer. Additional topics include using the internet, basic e-mail skills, performing searches, and networking. Students are challenged to apply what they learn to real-life tasks, preparing them to easily transfer skills to new situations. Grades are P/NP only. (L,M)

GNBUS 42 Internet Literacy and Safety 3 units
54 lecture hours
Transferable to CSU/C
Exposes students to a wide range of topics related to the Internet. Students will learn how to perform basic searches, work with email, manage and tune the web browser, and make the Internet a practical and functional part of everyday life. Designed to ease the fears of the novice and enhance the ability of the intermediate user. (L)

GNBUS 52 Business English 3 units
45 lecture hours
A review of English grammar with applications for written and oral business communications. Not open for credit for students with credit in OA 21. (L,M)

GNBUS 53 Records Management 3 units
45 lecture hours, 27 lab hours
This course introduces students to the increasingly complex information systems, including the new features of the operating system. The class emphasizes the importance of effective records management for all types of documents from their creation or receipt, through their processing, distribution, organization, storage, and retrieval, to their ultimate disposition. Students will investigate the management functions necessary to operate a records management program effectively. (L,C,M)

GNBUS 55A Beginning Keyboarding 36 units
36 lecture hours, 54 lab hours
Acquire beginning level keyboarding skills and document formatting. Not open for credit to students with credit in OA 15A, OA 15A-2, and OA 15B. (L,M)

GNBUS 55B Intermediate Keyboarding 36 units
36 lecture hours, 54 lab hours
Refine beginning keyboarding skills and document formatting skills to more advanced speed and accuracy levels. Not open for credit to students with credit in OA 15B-1, OA 15B-2, and OA 15B-3. Grades are P/NP option. (C,L,M)

American Language: recommended basic computer skills.
Language: recommended eligibility for English 1A.
Math for accounting, management, real estate, and marketing. Topics include: payroll, inventory controls, trade and cash discounts, simple and compound interest, present value, annuities and sinking funds, discounting of notes, buying and selling of mutual funds and stocks, depreciation, financial statements and real estate loans. Grades are P/NP option. (L,M)

Business Mathematics 3 units
54 lecture hours
Prerequisite: Satisfactory completion of: GNBUS 100

General Office Procedures 3 units
54 lecture hours
Prerequisite: Satisfactory completion of: GNBUS 55B or OA 15A

Medical Office Procedures 3 units
54 lecture hours
Prerequisite: Satisfactory completion of: GNBUS 55A; GNBUS 55B

Office Procedures 3 units
54 lecture hours
Prerequisite: Satisfactory completion of: OA 15A

Medical Office Procedures 3 units
54 lecture hours
Prerequisite: Satisfactory completion of: GNBUS 32 or OA 15A

Office Procedures 3 units
54 lecture hours
Prerequisite: Satisfactory completion of: OA 15A, OA 15B, OA 15B-1, OA 15B-2, and OA 15B-3.

2020-2021 Catalog
SMALL BUSINESS MANAGEMENT (Certificate of Achievement)

Students who complete this program should be able to:
1. Demonstrate skills to produce business communications and documents.
2. Solve complex business situations through the application of business, mathematical, and technological skill.
3. Analyze both internal and external data information in addressing and evaluating problems and issues in making informed business decisions.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 1L Principles of Accounting - Financial OR</td>
<td>4.5</td>
</tr>
<tr>
<td>GNBUS 18A Business Law</td>
<td>3</td>
</tr>
<tr>
<td>GNBUS 52/OA 52 Business English</td>
<td>3</td>
</tr>
<tr>
<td>GNBUS 56 Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Total units required</td>
<td>27</td>
</tr>
</tbody>
</table>

**Notes:**
- Plus 15 units from the following:
  - ACCT 1L Principles of Accounting - Financial OR 4.5
  - GNBUS 10 Introduction to Global Business 3
  - GNBUS 18A Business Law 3
  - GNBUS 52/OA 52 Business English 3
  - GNBUS 56 Business Mathematics 3
  - Total units required | 27

**Students who complete this program should be able to:**
1. Demonstrate skills to produce business communications and documents.
2. Solve complex business situations through the application of business, mathematical, and technological skill.
3. Analyze both internal and external data information in addressing and evaluating problems and issues in making informed business decisions.

**Additional Recommended Courses:**
- BCA 15 Business Computer Applications - Beginning
- BCA 15 Business Computer Applications - Advanced
- BCA 33A Advanced Excel
- MGMT 5 Introduction to Supervision
- MGMT 10 Principles of Management
- MGMT 35 Management Psychology

**Total units required** 15
Chemistry

The Associate of Science Degree in Chemistry is designed to prepare students for transfer to four-year colleges or universities. The Degree is designed for pre-professional studies in medical and dental sciences. A program of study may also meet course requirements for Bachelor’s of Science Degrees with emphasis in environmental chemistry, forensic science and pharmaceutical chemistry. In all cases, students should consult with a counselor for more information on university admission and transfer requirements. Students who complete this program should be able to:

1. Recognize and implement chemical symbolism, notation, nomenclature and vocabulary.
2. Apply chemistry concepts; demonstrate inductive reasoning.
3. Apply chemistry concepts; demonstrate deductive reasoning.
4. Conduct chemistry laboratory operations and demonstrate manual skills.

Required Courses Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 2A</td>
<td>General Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 3A</td>
<td>General Physics Lab</td>
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</tr>
<tr>
<td>PHYS 2B</td>
<td>General Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 3B</td>
<td>General Physics Lab OR</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 4A</td>
<td>General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 4B</td>
<td>Electromagnetism</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1A</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 1B</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 18A</td>
<td>Organic Chemistry for Health &amp; Life Sciences I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 18B</td>
<td>Organic Chemistry for Health &amp; Life Sciences II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1A</td>
<td>Single Variable Calculus - Early Transcendentals</td>
<td>5</td>
</tr>
<tr>
<td>MATH 1B</td>
<td>Single Variable Calculus - Early Transcendentals</td>
<td>4</td>
</tr>
</tbody>
</table>

Plus the following:

- PHYS 2A General Physics
- PHYS 3A General Physics Lab
- PHYS 2B General Physics
- PHYS 3B General Physics Lab OR
- PHYS 4A General Chemistry
- PHYS 4B Electromagnetism

Total units required for degree major: 54 lecture hours, 108 lab hours

CHEMISTRY (Associate in Science for Transfer)

Students who complete this program should be able to:

1. Recognize and implement chemical symbolism, notation, nomenclature and vocabulary.
2. Perform chemistry calculations and demonstrate quantitative reasoning.
3. Apply chemistry concepts; demonstrate inductive reasoning.
4. Conduct chemistry laboratory operations and demonstrate manual skills.

Required Courses Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1A</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 1B</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 18A</td>
<td>Organic Chemistry for Health &amp; Life Sciences I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 18B</td>
<td>Organic Chemistry for Health &amp; Life Sciences II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2A</td>
<td>Calculus IV</td>
<td>5</td>
</tr>
<tr>
<td>MATH 2B</td>
<td>Calculus V</td>
<td>5</td>
</tr>
</tbody>
</table>

Transferable to CSU/UC

C-ID CHEM 110 & C-ID CHEM 120S (CHEM 1A & CHEM 1B)

Students will explore the fundamental principles of inorganic chemistry including the nomenclature of inorganic compounds, chemical formulas, equations and reactions; stoichiometry; structure of atoms, ions and molecules and the periodic table; oxidation-reduction and acid-base reactions; gas laws; thermocchemistry and equilibrium. Laboratory techniques in the investigation of these chemical systems will be extensively developed, including experiments utilizing calorimetry to determine the enthalpy change associated with physical and chemical processes, fundamental gas laws analyzing pressure, volume, and temperature relationships, and acid-base chemistry utilizing titration analysis.

CHEM 1B General Chemistry

Students who complete this program should be able to:

1. Recognize and implement chemical symbolism, notation, nomenclature and vocabulary.
2. Perform chemistry calculations and demonstrate quantitative reasoning.
3. Apply chemistry concepts; demonstrate inductive reasoning.
4. Conduct chemistry laboratory operations and demonstrate manual skills.

Required Courses Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1A</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 1B</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
</tbody>
</table>

Transferable to CSU/UC - UC Unit Limit

C-ID CHEM 120S (CHEM 1A & CHEM 1B)

Continuation of the exploration and application of the fundamental principles of chemistry developed in CHEM 1A. Topics include intermolecular forces, solutions, colligative properties, kinetics; further aspects of equilibrium including acid-base and solubility equilibrium, thermodynamics, electrochemistry, descriptive chemistry, and qualitative analysis; coordination chemistry; nuclear chemistry and an introduction to organic chemistry. Laboratory techniques in the investigation of these chemical systems will be extensively developed.

CHEM 2A Introductory Chemistry I

Students who complete this program should be able to:

1. Recognize and implement chemical symbolism, notation, nomenclature and vocabulary.
2. Perform chemistry calculations and demonstrate quantitative reasoning.
3. Apply chemistry concepts; demonstrate inductive reasoning.
4. Conduct chemistry laboratory operations and demonstrate manual skills.

Required Courses Units

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<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CHEM 1A</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 1B</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 18A</td>
<td>Organic Chemistry for Health &amp; Life Sciences I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 18B</td>
<td>Organic Chemistry for Health &amp; Life Sciences II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2A</td>
<td>Calculus IV</td>
<td>5</td>
</tr>
<tr>
<td>MATH 2B</td>
<td>Calculus V</td>
<td>5</td>
</tr>
</tbody>
</table>

Transferable to CSU/UC - UC Unit Limit

C-ID CHEM 110 & C-ID CHEM 120S (CHEM 1A & CHEM 1B)

The first semester of a one-year course in organic chemistry designed for students planning professional school studies in health and life sciences. A rigorous, in-depth presentation of basic principles with emphasis on reaction mechanisms, multi-step synthesis, stereochemistry and spectroscopy and reactions of nonaromatic hydrocarbons, haloketones, reactions of alkenes and alkynes, alcohols, ethers and organic compounds. Reactions include SN1, SN2, E1, and E2. (M)
The Computer Science AS-T degree curriculum focuses on computer architecture and object oriented programming) fundamentals including algorithm design, problem analysis, system design, and testing. The Computer Science AS-T degree targets four-year university transfer students interested in software system design and programming as well as those students seeking marketable programming skills aimed towards real-world application and innovation.

Students who complete this program should be able to:

1. Demonstrate analysis, specification, design, implementation, and testing skills resulting in quality computer software solutions. Students will use data structures, algorithms, programming languages, and software engineering techniques to implement significant programming projects.
2. Demonstrate the ability to analyze relevant facts, and critically evaluate object oriented programming design and data structures.
3. Clearly and effectively communicate program designs and demonstrate the ability to create presentations appropriate to presented materials. Students will organize and communicate design ideas showing consistent use of appropriate code and design format.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMSC 9A++</td>
<td>Programming DR</td>
<td>4</td>
</tr>
<tr>
<td>COMSC 12</td>
<td>JAVA Programming</td>
<td>3</td>
</tr>
<tr>
<td>COMSC 15</td>
<td>Discrete Structures for Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>COMSC 2</td>
<td>Computer Assembly Language</td>
<td>3</td>
</tr>
<tr>
<td>COMSC 9B</td>
<td>Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>COMSC 11</td>
<td>Advanced C++ Programming</td>
<td>3</td>
</tr>
<tr>
<td>Plus 15 units from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMSC 2</td>
<td>Computer Assembly Language</td>
<td>3</td>
</tr>
<tr>
<td>COMSC 9B</td>
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</tr>
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<td>3</td>
</tr>
<tr>
<td>Total units required for degree major</td>
<td></td>
<td>19-20</td>
</tr>
</tbody>
</table>

Recommended Courses for Degree:

- STAT 1 Introduction to Statistical Methods         | 4     |
- MATH 1A Single Variable Calculus - Early Transcendental | 4     |
- MATH 1B Single Variable Calculus - Early Transcendental | 4     |
- MATH 25 Finite Math                                 | 3     |

Prerequisite: Satisfactory completion of: COMSC 9A

COMPUTER SCIENCE (Associate in Science for Transfer) Students who complete this program should be able to:

1. Demonstrate analysis, specification, design, implementation, and testing skills resulting in quality computer software solutions. Students will use data structures, algorithms, programming languages, and software engineering techniques to implement significant programming projects.
2. Demonstrate the ability to analyze relevant facts, and critically evaluate object oriented programming design and data structures.
3. Clearly and effectively communicate program designs and demonstrate the ability to create presentations appropriate to presented materials. Students will organize and communicate design ideas showing consistent use of appropriate code and design format.

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<td>COMSC 12</td>
<td>JAVA Programming</td>
<td>3</td>
</tr>
<tr>
<td>Total units required for degree major</td>
<td></td>
<td>19-20</td>
</tr>
</tbody>
</table>

Prerequisite: Satisfactory completion of: COMSC 9A

COMPUTER SCIENCE (Certificate of Achievement)

Students who complete this program should be able to:

1. Demonstrate analysis, specification, design, implementation, and testing skills resulting in quality computer software solutions. Students will use data structures, algorithms, programming languages, and software engineering techniques to implement significant programming projects.
2. Demonstrate the ability to analyze relevant facts, and critically evaluate object oriented programming design and data structures.
3. Clearly and effectively communicate program designs and demonstrate the ability to create presentations appropriate to presented materials. Students will organize and communicate design ideas showing consistent use of appropriate code and design format.

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<td></td>
</tr>
<tr>
<td>COMSC 2</td>
<td>Computer Assembly Language</td>
<td>3</td>
</tr>
<tr>
<td>COMSCS 3</td>
<td>Introduction to UNIX Operating System</td>
<td>3</td>
</tr>
<tr>
<td>COMSC 6</td>
<td>Basic Language Programming</td>
<td>3</td>
</tr>
<tr>
<td>COMSC 15</td>
<td>Discrete Structures for Computer Science</td>
<td>4</td>
</tr>
<tr>
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<tr>
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<td></td>
<td>19-20</td>
</tr>
</tbody>
</table>
COMSC 6 Basic Language Programming 3 units
54 lecture hours, 54 lab hours
Transferable to CSU/UC
Introduction to programming using object-oriented programming techniques, including problem solving, algorithm development, coding solutions, program life cycle, and source code management. (L,M)

COMSC 7 Introduction to Visual Basic 3 units
54 lecture hours, Transferable to CSU/UC
Introduction to event-driven programming in the Windows environment using Microsoft Visual BASIC.Net. Intended for those with prior experience or coursework in at least one formal programming language. Includes objects, properties, user interface, forms, event procedures, custom controls, graphics, data access, report creation, and debugging methods. (L,M)

COMSC 8 Digital Logic Fundamentals 4 units
54 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: COMSC 101A, MATH 52 or MATH 52B.
Transferable to CSU/UC

COMSC 9A C++ Programming 4 units
54 lecture hours, 54 lab hours
Transferable to CSU/UC
C-ID COMP 122
Introduction to the C++ programming language. Emphasis on structured programming methods, object-oriented design, and common data types. The programming cycle for problem-solving to debugging is emphasized. COMSC 6 recommended. (L,M)

COMSC 9B Data Structures 4 units
54 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: COMSC 9A.
Transferable to CSU/UC
C-ID COMP 132
A continuation of Computer Science 9A using Object Oriented Programming techniques. An introduction to abstract data types, algorithm analysis, data structures including lists, hash tables, trees, and graphs. Required for Computer Science majors. (L,M)

COMSC 10L Computer Literacy 3 units
36 lecture hours, 36 lab hours, Other: Course is open entry/open exit
Transferable to CSU/UC
Introduction to the computer and its applications. A survey of the history of computers, hardware, software, social aspects, and problem-solving techniques. Hands-on microcomputer oriented programming will be examined. (L)

COMSC 11 Advanced C++ Programming 3 units
36 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: COMSC 9A.
Transferable to CSU/UC
Topics in object-oriented programming using the C++ programming language, including C++ programming concepts, techniques, streaming input/output, dynamic memory allocation, classes and data abstraction, operator overloading, inheritance and polymorphism. (L,M)

COMSC 12 Java Programming 3 units
54 lecture hours
Transferable to CSU/UC
C-ID COMP 122
Introduction to Java Programming. Intended for those with prior experience or coursework in at least one formal programming language, preferably C or C++. Topics include: Java and HTML, Applet user interfaces, graphics and multimedia, objects, classes and methods, input and output and IO streaming, networking, threads, packages, the Java AWT and API. (L,M)

COMSC 15 Discrete Structures for Computer Science 3 units
36 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: MATH 20, COMSC 9A or COMSC 12.
Transferable to CSU/UC
C-ID COMP 152
Introduction to the essential discrete structures for computer science with applications. Topics include: proof techniques, counting rules, elementary formal logic and set theory, functions, recursive analysis, digital logic and combinatorial circuits, real number representation, regular expressions, and finite automata. Grades are P/NP option.

COMSC 20 Beginning Web Publishing 3 units
36 lecture hours, 54 lab hours
Transferable to CSU
Fundamentals of web publishing using HTML, covering design, writing, and maintenance of web pages. Emphasis on real-life informational and interactive presentation to include testing, revising, and maintenance of web presentations on the World Wide Web. (C)

CWE 44A 1st Semester General Work Experience 5-6 units
30-450 lab hours
Prerequisite: Success completion of CWE 44B and must have local paid employment (75 hours per unit) or a volunteer position (60 hours per unit) that is not directly related to the student’s major or career path; student’s supervisor must agree to participate in the program, which entails communicating with and meeting with college staff (Work Experience Mentor), assisting the student in writing and completing learning objectives, verifying the student’s hours, evaluating the student, and otherwise training/guiding the student. Transferable to CSU
Coordination of intermediate on-the-job learning with college experience to develop desirable work habits, attitudes, and career awareness that is progressive from the first to second semesters. This learning experience requires supervised paid employment or volunteer work that is not directly related to the student’s specific career path and college major. Students may enroll in 1-6 units. Grades are P/NP only.

CWE 44B 2nd Semester General Work Experience 5-6 units
30-450 lab hours
Prerequisite: Success completion of CWE 44A and must have local paid employment (75 hours per unit) or a volunteer position (60 hours per unit) that is not directly related to the student’s major or career path; student’s supervisor must agree to participate in the program, which entails communicating with and meeting with college staff (Work Experience Mentor), assisting the student in writing and completing learning objectives, verifying the student’s hours, evaluating the student, and otherwise training/guiding the student. Transferable to CSU
Coordination of intermediate on-the-job learning with college experience to develop desirable work habits, attitudes, and career awareness that is progressive from the first to second semesters. This learning experience requires supervised paid employment or volunteer work that is not directly related to the student’s specific career path and college major. Students may enroll in 1-6 units. Grades are P/NP only.

CWE 44C 3rd Semester General Work Experience .5-6 units
30-450 lab hours
Prerequisite: Success completion of CWE 44B and must have local paid employment (75 hours per unit) or a volunteer position (60 hours per unit) that is not directly related to the student’s major or career path; student’s supervisor must agree to participate in the program, which entails communicating with and meeting with college staff (Work Experience Mentor), assisting the student in writing and completing learning objectives, verifying the student’s hours, evaluating the student, and otherwise training/guiding the student. Transferable to CSU
Coordination of intermediate on-the-job learning with college experience to develop desirable work habits, attitudes, and career awareness that is progressive from the first to second semesters. This learning experience requires supervised paid employment or volunteer work that is not directly related to the student’s specific career path and college major. Students may enroll in 1-6 units. Grades are P/NP only.

CWE 44D 4th Semester General Work Experience .5-6 units
30-450 lab hours
Prerequisite: Satisfactory completion of CWE 44C and must have local paid employment (75 hours per unit) or a volunteer position (60 hours per unit) that is not directly related to the student’s major or career path; student’s supervisor must agree to participate in the program, which entails communicating with and meeting with college staff (Work Experience Mentor), assisting the student in writing and completing learning objectives, verifying the student’s hours, evaluating the student, and otherwise training/guiding the student. Transferable to CSU
Coordination of advanced on-the-job learning with college experience to develop desirable work habits, attitudes, and career awareness that is progressive from the first to third semester. This learning experience requires supervised paid employment or volunteer work that is not directly related to the student’s specific career path and college major. Students may enroll in 1-6 units. Students enrolling in this class are not eligible for other Cooperative Work Experience Education (CWE) or Internship (INTRN) classes during the same semester. Students may not exceed sixteen (16) units in the combination of CWE and INTRN classes. Grades are P/NP only.
Programs and Courses

Counseling

COUNS 10 College Success 3 units
54 lecture hours
Transferrable to CSU/UC
Study skills and knowledge necessary for college success, including time management, memory techniques, note taking, reading skills, test-taking skills, critical thinking, writing, learning styles, diversity, communication skills, career planning, assessment, use of technology and other resources. (L)

COUNS 22 Peer Advising Seminar v-1 to 2 units
18 lecture hours (1 unit)
36 lecture hours (2 units)
Transferrable to CSU
Designed for Peer Advisors. Methods of working with students from a wide variety of backgrounds, with the emphasis on individualized assistance to help in all areas of counseling; orientation to materials and resources; development of interpersonal skills. Grades are P/NP. (L)

COUNS 25 Career Planning and Development 3 units
54 lecture hours
Transferable to CSU
Survey of techniques of career exploration and selection. In the context of a study of the changes that occur during a typical life span, each student will construct a personal profile of current and projected interests, aptitudes, skills, values, personality, and life and personal circumstances. Not open for credit to students with credit in GBNBUS 25. (L)

COUNS 30 Transfer Preparation 2 units
36 lecture hours
Transferrable to CSU
Preparation for a successful transfer experience to a university, emphasis on understanding the UC and CSU systems, private university systems in California, and out-of-state colleges and universities. Students will evaluate and choose universities based on research about degrees offered, geographic location, curriculum, alumni networks, transfer requirements, the application process, housing, financial aid, scholarship and support services. (L)

COUNS 33 Personal and Social 3 units
54 lecture hours
Transferable to CSU
This course is designed with an applied focus for students interested in how psychology is used in everyday life and is related to other social sciences. This course surveys different psychological perspectives and theoretical foundations and how these are applied across a person’s life including the influence of factors such as culture, gender, ethnicity, historical cohort and socioeconomic status. A broad understanding of how scientists clinicians, and practitioners study and apply psychology is emphasized.

COUNS 35 College Study Skills 1 unit
18 lecture hours
Transferrable to CSU
Improvement of study skills including reading comprehension, note taking, time management, and test taking strategies. Grades are P/NP. (L)

COUNS 45 Career College Planning 1 unit
18 lecture hours
Transferrable to CSU
Designed to assist the student in the decision-making process as it relates to maximizing potential in career, education, and personal development. Contact Counseling Department to schedule an appointment within one week after adding class. Grades are P/NP. (L)

COUNS 52 Pre-Employment Skills Training 1 unit
18 lecture hours
Exploration of various skills and methods vital to obtaining and retaining employment including: Developing Positive Attitudes, Writing Resumes, and Interviewing Techniques. Grades are P/NP. (L)

CULinary Arts

Course “97”

Experiential Topics v-5 to 3 units
Exploration of selected topics in a subject area. Procedures for implementing the course involve cooperative planning by instructor, Dean, and Vice President of Instruction. Course “97” is not intended for transfer but is of the associate degree level. On the transcript, the course will be shown with a regular department prefix, viz Art 97, followed by a title.

Course “98”

Independent Studies, 98 A-B-C-D v-1 to 3 units
These courses are used whenever circumstances warrant offering courses not yet part of an established curriculum. For example, media courses which are offered as Independent Studies requiring prior approval by the Chancellor’s Office. Other Independent Studies courses may originate from the needs and curiosities of groups of students and faculty to study areas of mutual interest and concern. Media courses will be developed by the Instructional Services Division in the Northern California Telecommunications Consortium. Students and faculty may identify areas of interest not taught in other courses. (1 unit) Describe problems within identifiable areas of interest; (2 units) use procedures likely to develop further knowledge; (3 units) develop ways of acting on basis of new knowledge; and (4 units) use integrated approach to solution of problems.

Course “99”

Special Project, 99 1 unit
When special circumstances warrant offering a special course to the individual student in a particular area, an instructor with approval, may register a student in an individual Special Projects course which will be identified by the name of the department, the course number of “99”, and the title “Special Projects.” Registration in the course involves signing a contract under which the student and instructor agree upon the accomplishment which must be demonstrated by the student in order to receive credit, and which is approved by the cognizant Dean.

Programs and Courses

Culinary Arts

Culinary Arts (Associate in Science)

This associate degree is intended to provide students with the skills and abilities necessary to obtain employment in the growing restaurant and hospitality industry. Students that earn the degree have the ability to secure employment from restaurants, hotels, casinos, bakeries and other food service establishments. The students learn: food safety and handling, recipe conversions, knife skills, cooking methods and techniques, menu creation and costing, basic baking methods, general restaurant management procedures and the soft skills necessary to be successful in the industry.

Students who complete this program should be able to:
1. Demonstrate the ability to follow, organize and sanitize according to industry standards in food handling, and restaurant service.
2. Utilize the appropriate cooking methods and techniques according to industry standards.
3. Demonstrate professionalism in appearance, timeliness, and punctuality.
4. Create an employee handbook according to industry standards.
5. Calculate beverage profit to industry standards.

Required Courses

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUL 51A Basic Food Preparation</td>
<td>3</td>
</tr>
<tr>
<td>CUL 51B Advanced Food Preparation</td>
<td>3</td>
</tr>
<tr>
<td>CUL 52A Professional Baking</td>
<td>3</td>
</tr>
<tr>
<td>CUL 52B Advanced Baking</td>
<td>3</td>
</tr>
<tr>
<td>CUL 54 Food Sanitation, Safety, and Storage</td>
<td>5</td>
</tr>
<tr>
<td>CUL 59A Basic Restaurant Operations</td>
<td>4</td>
</tr>
<tr>
<td>CUL 59B Advanced Restaurant Operations</td>
<td>4</td>
</tr>
<tr>
<td>CUL 60 Advanced Foods and Catering</td>
<td>2</td>
</tr>
<tr>
<td>CUL 61 Introductory Pursuing for Food Service and Hospitality</td>
<td>1</td>
</tr>
<tr>
<td>CUL 64 Beverage Control and Operations</td>
<td>2</td>
</tr>
<tr>
<td>CUL 65 Food Service Operation and Management</td>
<td>2</td>
</tr>
<tr>
<td>HLTH 10 Principles of Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>Total units required for degree major</td>
<td>30.5</td>
</tr>
</tbody>
</table>

Students earning an AA/S degree must complete a minimum of 14 units of General Education requirements, the multicultural graduation requirement, and the health requirement, in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.
Culinary Arts

(Certificate of Achievement)

Students who complete this program will be able to:
1. Clean, organize and sanitize according to industry standards in food handling and restaurant service.
2. Utilize the appropriate cooking methods and techniques according to industry standards.
3. Demonstrate professionalism in appearance, teamwork and punctuality.

Required Courses

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<td>CUL 59B Advanced Restaurant Operations</td>
<td>4</td>
</tr>
<tr>
<td>CUL 60 Advanced Foods and Catering</td>
<td>2</td>
</tr>
<tr>
<td>CUL 65 Food Service Operation and Management</td>
<td>2</td>
</tr>
</tbody>
</table>

Total units required .......................... 21

CUL 52B Advanced Baking

19 lecture hours, 108 lab hours

Prerequisite: Satisfactory completion of: CUL 52A

Modern advanced baking techniques and methods including sugar and chocolate work, advanced decorating, advanced icing, French pastry and dessert making, artisan bread making and savory baked items. Also recipe costing and creating will be a theme throughout the course.

CUL 54 Food Sanitation, Safety, and Storage

9 lecture hours

Other: Course is open entry/open exit

Preparation for the ServSafe certification course and examination. The ServSafe program trains both managers and employees to guard against food borne illnesses. Meets the State of California (Campbell Bill) requirement for Certified Food Handler. Grades are PNP only. (L)

CUL 59A Basic Restaurant Operations

4 units

18 lecture hours, 162 lab hours

Set-up and operations of the campus restaurant, including planning, preparing, cooking, and serving food in the student-operated restaurant.

CUL 59B Advanced Restaurant Operations

4 units

18 lecture hours, 162 lab hours

Prerequisite: Satisfactory completion of: CUL 59A or CUL 60

Set-up and management of the campus restaurant including scheduling, marketing, inventory, menu planning and costing.

CUL 60 Advanced Foods and Catering

2 units

18 lecture hours, 94 lab hours

Plan, prepare and serve several large and small catered events during the semester. (M)

CUL 61 Introductory Purchasing for Food Service and Hospitality

1 unit

18 lecture hours

Supervisory control procedures, receiving, costing, inventory, labor and wage controls, employee access and maintenance of records for food service and hospitality professionals.

CUL 64 Beverage Control and Operation

2 units

36 lecture hours

Other: Course is open entry/open exit

Regulations, licensing procedures, purchasing, inventory and cost control for bar and restaurant management. Emphasis on bar setup, service methods, and beverage merchandising.

CUL 65 Food Service Operation and Management

2 units

36 lecture hours

Nature and importance of food service management, including general management principles, personnel principles and customer relations. This includes business plan development and presentation.

CUL 51A Basic Food Preparation

3 units

18 lecture hours, 108 lab hours

Other: Course is open entry/open exit

Modern baking techniques including, cake baking and identification and cookery. Advanced knife skills developed. en place practicities, and advanced vegetable and starch of meat cookery, advanced meat & seafood fabrication, mise Manger, French stock and sauce making, advanced principles and cookery. Advanced knife skills developed.

CUL 60 Advanced Foods and Catering

2 units

18 lecture hours, 94 lab hours

Plan, prepare and serve several large and small catered events during the semester. (M)

CUL 52A Professional Baking

3 units

18 lecture hours, 108 lab hours

Other: Course is open entry/open exit

Modern baking techniques including, cake baking and decorating, French pastry, bread and dessert development techniques. Preparation takes place in an approved industry standard kitchen.

Drafting

Design Drafting

DRAFT 20 Blueprint and Specifications Reading 3 units

54 lecture hours

Transferable to CSU

This is a beginning blueprint reading class for the student in the metal and mechanics trade. Basic visualization and drawing concepts including orthographic projection, detailing, sketching and communication skills that are needed for employment and developed in the class. Introduction to CAD Modeling.

DRAFT 30 Technical Drawing With 3 units

36 lecture hours, 54 lab hours

Transferable to CSU

Fundamental technical drafting practices and documentation for part fabrication drawing. Drafting conventions and standards applied to orthographic, section, auxiliary views, isometric and oblique projection will be covered in addition to basic CAD object creation and editing and freehand sketching. ASME Y14.x-standards are emphasized. CAD software will be used to complete the applied laboratory exercises.

DRAFT 38 Computer Aided Drafting 3 units

27 lecture hours, 81 lab hours

Prerequisite: Satisfactory completion of: DRAFT 30 or DRAFT 32

Transferable to CSU/UC

The course provides exposure to and experience using intermediate and advanced object creation and editing tools in AutoCAD. Blocks, dynamic blocks, attribute creation and data extraction, sheet sets and external referencing (Xref) will also be covered. The course will cover three-dimensional solid modeling for both mechanical and architectural objects, rendering to produce photo realistic images and the creation of views from solid models.

Early Childhood Education

The Associate in Science in Early Childhood Education (ECE) is designed for students desiring an occupational or transfer course of study, providing more depth than the ECE transfer degree (ADT). This occupational course of study prepares students to work with children from birth through age eight in a variety of settings.

EARLY CHILDHOOD EDUCATION (Associate in Science)

Students who complete this program will be able to:
1. Graduate from ECE with a good understanding of diversity and culturally appropriate practices and what it means to successfully work with children, families, and the community in an early care and education setting.
2. Demonstrate knowledge of and sensitivity in a specific discipline in Early Childhood Education or Child Development that will successfully complete the transfer process to a four year institution.
3. Proficiently design developmentally appropriate curriculum and demonstrate effective implementation using intentional teaching methods that scaffold children’s co-construction of knowledge through exploration, risk-taking, reflection, and the respect of inclusion and support of individual life experiences.
4. Build partnerships with local, national and international resource organizations in order to advocate effectively for the needs of children and families and to grow in professional skill.
5. Promote higher levels of child learning through the use of intentional teaching methods that support the development of early childhood.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 46B Practicum-Field Experience-School Age Children...</td>
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<td>ECE 46C Practicum-Field Experience-Children With Special...</td>
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<tr>
<td>ECE 46D Practicum-Field Experience-Children With Special...</td>
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</table>

Total units required for degree major: 30

Students earning an AA/AS degree must complete a minimum of 18 units of General Education requirements, the multilingual graduation requirement, and the health requirement. In addition to the program units listed here. Students must complete a total of 30 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

2020-2021 Catalog
Programs and Courses

The Associate in Science in Early Childhood Education for Transfer degree provides the opportunity for students to complete their freshman/sophomore level classes needed for a Bachelor's degree in ECE with the California State University System.

**EARLY CHILDHOOD EDUCATION (Associate in Science for Transfer)**

Students who complete this program should be able to:
1. Demonstrate the skills needed in order to enter the ECE workforce as a Preschool Teacher in a Title 5 Program.
2. Proficiently design developmentally appropriate curriculum, and demonstrate effective implementation using intentional teaching methods that scaffold children's co-construction of knowledge through exploration, risk-taking, reflection, and the respectful interaction and support of individual life experiences.
3. Build partnerships with local, national and international resource organizations in order to advocate effectively for the needs of children and families and to grow in professional skills.
4. Promote higher levels of child learning through the use of intentional teaching methods that support the unique development of each child.

**Required Courses**

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<tr>
<th>Course Code</th>
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<th>Units</th>
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<tbody>
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<td>ECE 31</td>
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<tr>
<td>ECE 46</td>
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Total units required for degree major: 12

**Note on Permit through Credentialing:**
After completing required course work of 60 units (24 ECE and 16 GE) and 175 days of 3 or more hours per day of experience, you may apply for the California Child Development (Teacher) Permit issued by Commission on Teacher Credentialing through your local County Office of Education. Please see the Child Development Permit Matrix for required course work.

**CHILD DEVELOPMENT ASSOCIATE TEACHER (Certificate of Training)**

Students who complete this program should be able to:
1. Exhibit cultural competence through the development of instructional practices with respect to diversity and the inclusion of all children, families, staff, and communities.
2. Proficiently design developmentally appropriate curriculum, and demonstrate effective implementation using intentional teaching methods that scaffold children's co-construction of knowledge through exploration, risk-taking, reflection, and the respectful interaction and support of individual life experiences.
3. Promote higher levels of child learning through the use of intentional teaching methods that support the unique development of each child.
4. Use understanding of cognitive development and apply it to their roles as curious, confident, lifelong constructors of knowledge.

**Required Courses**

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Total units required: 12

**ECE Specialization Certificates of Achievement**

These programs are designed as ECE Specializations when combined with the Child Development Certificate of Achievement and ECE 37 (The Mentor Teacher) when applying for the Child Development Master Teacher Permit issued by Commission on Teacher Credentialing. For the Master Teacher Permit 350 days of 3 or more hours per day of experience is required. Apply for the permit at your local County Office of Education.

**ARTS SPECIALIZATION (Certificate of Achievement)**

Students who complete this program should be able to:
1. Design, implement, and evaluate effective program practices to successfully implement culturally appropriate arts curriculum in a variety of classrooms.

**Required Courses**

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<td>Practicum-Field Experience-Children With Special Needs</td>
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Total units required: 30

**DIVERSITY IN ECE SPECIALIZATION (Certificate of Achievement)**

Students who complete this program should be able to:
1. Develop and refine both non-verbal and verbal communication skills to enhance professionalism when working with co-workers in the child care field, and with children and their families.
2. Develop and refine both non-verbal and verbal communication skills to enhance professionalism when working with co-workers in the child care field, and with children and their families.
3. Learn and practice professional ethics, personal and social responsibility, and effective team membership in their work as child care professionals.

**Required Courses**

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<td>ECE 51A</td>
<td>Diversity in Early Childhood Education</td>
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Total units required: 30

**FOUNDATIONS IN ECE SPECIALIZATION (Certificate of Achievement)**

Students who complete this program should be able to:
1. Demonstrate the skills needed in order to enter the ECE workforce as a Preschool Teacher in a Title 5 Program.

**Required Courses**

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Total units required: 30

**CHILDMAN WITH SPECIAL NEEDS SPECIALIZATION (Certificate of Training)**

**Required Courses**

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<td>ECE 46</td>
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Total units required: 30

**Required Electives:**
**Choose 6 units from Courses Below:**
- ECE 5 Physical Activities for Young Children: 3
- ECE 75 Play: To Praise Growth: 1
- ECE 8 Children's Nutrition: 1
- ECE 9 Children's Creative Activities: 1
- ECE 210 California Child Care Health Safety Course: 0.5
- ECE 12 Science for Young Children: 3
- ECE 13 Piaget's Learning Theory Applications: 1
- ECE 22 Developing Number Concepts: 1
- ECE 16 Preschool Music Activities: 3
- ECE 83 Techniques of Story Telling: 1

Total units required: 30

2020-2021 Catalog

C. L. M Advisories: Computer Literacy: recommended basic computer skills.
Language: recommended eligibility for English 1A. Mathematics: recommended eligibility for Math 2B.
INFANT AND TODDLER (Certificate of Achievement) Students who complete this program should be able to:
1. Develop and refine both non-verbal and verbal communication skills to enhance professionalism when working with children, families and co-workers in the child care field.
2. Evaluate and analyze the use of different development theories and instructional strategies that encourage development of critical thinking, problem-solving, and performance skills when working with children and families.
3. Learn and practice professional ethics, personal and social responsibility, and effective team membership in their work as child care professionals.

Required Courses Units
ECE 1A Principles and Practices of Teaching Youth ... 3
ECE 1B Introduction to Curriculum ... 3
ECE 3 Child Growth and Development ... 3
ECE 10 Health, Safety, and Nutrition ... 3
ECE 11 Observation and Assessment ... 3
ECE 27 Teaching in a Diverse Society ... 3
ECE 31 Child, Family, and Community ... 3
ECE 42 Infant/Toddler Development ... 3
ECE 46A Practicum-Field Experience Infant/Toddler
Total units required: ..................................30

LANGUAGE AND LITERACY SPECIALIZATION (Certificate of Achievement) Students who complete this program should be able to:
1. Demonstrate effective program practices to successfully design, implement, and evaluate effective learning activities in an early childhood classroom.
2. Demonstrate understanding of how to select and use developmentally appropriate language and literacy practices for young children in order to set up an effective language and literacy early childhood classroom.
3. Utilize knowledge of appropriate language and literacy practices for young children in order to set up an effective language and literacy early childhood classroom.

Required Courses Units
ECE 1A Principles and Practices of Teaching Youth ... 3
ECE 1B Introduction to Curriculum ... 3
ECE 3 Child Growth and Development ... 3
ECE 7A Creative Materials ... 3
ECE 10 Health, Safety, and Nutrition ... 3
ECE 11 Observation and Assessment ... 3
ECE 14 The School Age Child ... 3
ECE 27 Teaching in a Diverse Society ... 3
ECE 31 Child, Family, and Community ... 3
ECE 46B Practicum-Field Experience Infant/Toddler
Total units required: ..................................30

SITE SUPERVISOR (Certificate of Achievement) Students who complete this program should be able to:
1. Students will analyze their own strengths and challenges in management, training and staff development in the early childhood setting.
2. Students will develop an understanding of the role and responsibilities of the site supervisor.
3. Students will develop an understanding of the role and responsibilities of the site supervisor.

Required Courses Units
ECE 1A Principles and Practices of Teaching Youth ... 3
ECE 1B Introduction to Curriculum ... 3
ECE 3 Child Growth and Development ... 3
ECE 10 Health, Safety, and Nutrition ... 3
ECE 11 Observation and Assessment ... 3
ECE 14 The School Age Child ... 3
ECE 27 Teaching in a Diverse Society ... 3
ECE 31 Child, Family, and Community ... 3
ECE 46B Practicum-Field Experience Infant/Toddler
Total units required: ..................................32

PEDIATRIC FIRST AID/CPR (Certificate of Training) Students who complete this program should be able to:
1. Effectively respond to common childhood injuries and illnesses.
2. Quickly assess which childhood injuries and illnesses are minor and which carry the urgency of a life-threatening emergency.
3. Demonstrate critical first aid practices including bleeding, allergies, reactions, use of a CPR mask, bag, breathing, burns, seizures, and oral first aid.
4. Demonstrate an ability to conduct CPR for children and infants.

Required Courses Units
ECE 210 California Child Care Health Safety Course ... 5

SCHOOL AGE CHILDREN (Certificate of Achievement) Students who complete this program should be able to:
1. Upon completion of this certificate, the student will be able to design, implement, and evaluate effective school age program practices to successfully develop a developmentally appropriate school age curriculum in an after school activity program serving children and families 6-12 years of age.

Required Courses Units
ECE 1A Principles and Practices of Teaching Youth ... 3
ECE 1B Introduction to Curriculum ... 3
ECE 3 Child Growth and Development ... 3
ECE 7A Creative Materials ... 3
ECE 10 Health, Safety, and Nutrition ... 3
ECE 11 Observation and Assessment ... 3
ECE 14 The School Age Child ... 3
ECE 27 Teaching in a Diverse Society ... 3
ECE 31 Child, Family, and Community ... 3
ECE 46B Practicum-Field Experience Infant/Toddler
Total units required: ..................................30

TEACHER/FAMILY RELATIONSHIPS SPECIALIZATION (Certificate of Achievement) Students who complete this program should be able to:
1. Demonstrate effective program practices to successfully implement culturally appropriate practices in working with families in an early childhood classroom.
2. Demonstrate communication strategies in order to develop effective Teacher/Family partnerships with families that benefit the child enrolled in an early childhood program.
3. Demonstrate knowledge and understanding of the challenges facing the diverse families of the children in their community.

Required Courses Units
ECE 1A Principles and Practices of Teaching Youth ... 3
ECE 1B Introduction to Curriculum ... 3
ECE 3 Child Growth and Development ... 3
ECE 10 Health, Safety, and Nutrition ... 3
ECE 11 Observation and Assessment ... 3
ECE 27 Teaching in a Diverse Society ... 3
ECE 31 Child, Family, and Community ... 3
ECE 32 Parenting ... 2
ECE 35 Parents as Partners in ECE ... 3
ECE 37 Adult Supervision ... 2
ECE 46 Practicum-Field Experience-Pre-School or ECE 46A Practicum-Field Exp-Infant/Toddler or ECE 46B Practicum-Field Exp-School Age Children ... 3
or ECE 46C Practicum-Field Exp-Children with Special Needs
Total units required: ..................................32

TRANITIONAL KINDERGARTEN AND EARLY EDUCATION (Certificate of Achievement) Students who complete this program should be able to:
1. Demonstrate effective program practices to successfully implement culturally appropriate practices in working with families in an early childhood classroom.
2. Demonstrate knowledge and understanding of the challenges facing the diverse families of the children in their community.

Required Courses Units
ECE 1A Principles and Practices of Teaching Youth ... 3
ECE 1B Introduction to Curriculum ... 3
ECE 3 Child Growth and Development ... 3
ECE 10 Health, Safety, and Nutrition ... 3
ECE 11 Observation and Assessment ... 3
ECE 31 Child, Family, and Community ... 3
ECE 32 Parenting ... 2
ECE 35 Parents as Partners in ECE ... 3
ECE 37 Adult Supervision ... 2
ECE 2A Administration I: Programs in Early Childhood Education ... 3
ECE 2B Administration of Children’s Centers ... 3
ECE 3 Child Growth and Development ... 3
ECE 10 Health, Safety, and Nutrition ... 3
ECE 11 Observation and Assessment ... 3
ECE 27 Teaching in a Diverse Society ... 3
ECE 31 Child, Family, and Community ... 3
ECE 37 Adult Supervision ... 2
ECE 46 Practicum-Field Experience-Preschool or ECE 46A Practicum-Field Exp-Infant/Toddler or ECE 46B Practicum-Field Exp-School Age Children ... 3
or ECE 46C Practicum-Field Exp-Children with Special Needs
Total units required: ..................................24

SITE SUPERVISOR (Certificate of Achievement) Students who complete this program should be able to:
1. Students will analyze their own strengths and challenges in management, training and staff development in the early childhood setting.
2. Students will analyze their own strengths and challenges in management, training and staff development in the early childhood setting.

Required Courses Units
ECE 1A Principles and Practices of Teaching Youth ... 3
ECE 1B Introduction to Curriculum ... 3
ECE 3 Child Growth and Development ... 3
ECE 10 Health, Safety, and Nutrition ... 3
ECE 11 Observation and Assessment ... 3
ECE 31 Child, Family, and Community ... 3
ECE 32 Parenting ... 2
ECE 35 Parents as Partners in ECE ... 3
ECE 37 Adult Supervision ... 2
ECE 46 Practicum-Field Experience-Preschool or ECE 46A Practicum-Field Exp-Infant/Toddler or ECE 46B Practicum-Field Exp-School Age Children ... 3
or ECE 46C Practicum-Field Exp-Children with Special Needs
Total units required: ..................................32

TRANSFERABLE TO CSU
This course is transferrable to the California State University system.

ECE 1A Principles and Practices of Teaching Young Children 3 units
Transferable to CSU
ECE 1B Introduction to Curriculum 3 units
Transferable to CSU
ECE 3 Child Growth and Development 3 units
Transferable to CSU
ECE 10 Health, Safety, and Nutrition 3 units
Transferable to CSU
ECE 11 Observation and Assessment 3 units
Transferable to CSU
ECE 27 Teaching in a Diverse Society 3 units
Transferable to CSU
ECE 31 Child, Family, and Community 3 units
Transferable to CSU
ECE 32 Parenting 2 units
Transferable to CSU
ECE 35 Parents as Partners in ECE 3 units
Transferable to CSU
ECE 37 Adult Supervision 2 units
Transferable to CSU
ECE 46 Practicum-Field Experience-Pre-School or ECE 46A Practicum-Field Exp-Infant/Toddler or ECE 46B Practicum-Field Exp-School Age Children ... 3
or ECE 46C Practicum-Field Exp-Children with Special Needs
Transferable to CSU

SITE SUPERVISOR (Certificate of Achievement) Students who complete this program should be able to:
1. Students will analyze their own strengths and challenges in management, training and staff development in the early childhood setting.
2. Students will analyze their own strengths and challenges in management, training and staff development in the early childhood setting.

Required Courses Units
ECE 1A Principles and Practices of Teaching Youth ... 3
ECE 1B Introduction to Curriculum ... 3
ECE 3 Child Growth and Development ... 3
ECE 10 Health, Safety, and Nutrition ... 3
ECE 11 Observation and Assessment ... 3
ECE 31 Child, Family, and Community ... 3
ECE 32 Parenting ... 2
ECE 35 Parents as Partners in ECE ... 3
ECE 37 Adult Supervision ... 2
ECE 46 Practicum-Field Experience-Preschool or ECE 46A Practicum-Field Exp-Infant/Toddler or ECE 46B Practicum-Field Exp-School Age Children ... 3
or ECE 46C Practicum-Field Exp-Children with Special Needs
Total units required: ..................................24

TRANSFERABLE TO CSU
This course is transferrable to the California State University system.

ECE 2A Administration I: Programs in Early Childhood Education 3 units
Transferable to CSU
ECE 2B Administration of Children’s Centers 3 units
Transferable to CSU
ECE 3 Child Growth and Development 3 units
54 lecture hours
Transferable to CSU/UC
C-ID CDEV 100
This course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, birth through eight-years-old. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. Designed as a foundation course for careers in ECE, Education, Human Services, Health, and related fields. (L)

ECE 5 Physical Activities for Young Children 1 unit
18 lecture hours
Transferable to CSU
Designed to give adults working with preschool and school-aged children techniques and activities useful in creating stimulating outdoor environments. Students will practice using equipment like bean bags and hula hoops as well as becoming familiar with games from diverse ethnic groups. Not open for credit to student with credit in PE 5. (L)

ECE 6 Early Childhood Language Development 3 units
54 lecture hours
Transferable to CSU
Language development and influences in early childhood including theories of language acquisition, interrelatedness of growth, stages of development, and appropriate curriculum for enhancing speaking, listening, pre-reading, and pre-writing skills.

ECE 7A Creative Materials 3 units
45 lecture hours, 27 lab hours
Transferable to CSU
Creative activities for young children (2-8 years-old) including the planning and implementation of painting, drawing, printing, collage, sculpture, puppet-making, and modeling materials. Not open for credit to student with credit in ART 7 or ART 7A. (L)

ECE 8 Children's Nutrition 1 unit
18 lecture hours
Transferable to CSU
Basic concepts of nutrition and health issues with emphasis on nutritional needs of young children as well as planning and implementing good nutrition programs for young children birth through eight-years-old.

ECE 9 Children's Cooking Activities 1 unit
18 lecture hours
Transferable to CSU
Process of cooking as it relates to the developmentally oriented early childhood curriculum; cooking activities that promote language acquisition, cognitive development, psycho-motor skills, and social and emotional growth. Includes the importance of good nutrition education and how to prepare nutritious snacks and simple meals. Grades are P/NP. (L)

ECE 10 Health, Safety, and Nutrition 3 units
54 lecture hours
Transferable to CSU
C-ID ECE 200
Introduction to the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health, safety, and nutrition. The key components that ensure physical health, mental health, and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. Focus on integrating the concepts into everyday planning and program development for all children. (L)

ECE 11 Observation and Assessment 3 units
54 lecture hours
Transferable to CSU
C-ID ECE 200
This course focuses on the appropriate use of assessment and observation strategies to document development, growth, play and learning in order to join with families and professionals in promoting children’s success. Recording and compiling observations, rating systems, portfolios, and multiple assessment tools are explored. Child observations will be conducted and analyzed. (L)

ECE 12 Science for Young Children 1 unit
18 lecture hours
Transferable to CSU
Designed to provide teachers and caregivers of young children with principles of appropriate science curriculum. Emphasis on informal science experiences and the cognitive connections made by young children as they observe, manipulate, process, and communicate. Classroom organization and management, ready-made materials, and connections with other curriculum areas are also included.

ECE 13 Piaget's Learning Theory Applications 1 unit
18 lecture hours
Transferable to CSU
Overview of Piaget's theory of cognitive development and practice in relating the theory to the development of games, activities and curriculum for preschool and primary classroom.

ECE 14 The School Age Child 3 units
54 lecture hours
Transferable to CSU
Developmental characteristics and needs of the 5 -12 year-old child at home or in a group care setting; includes developmental stages, program environment, developmentally appropriate curriculum, activities and materials, meeting the needs of families, classroom management, communication techniques, pre-academic requirements, skills, and characteristics of caregivers. (L)

ECE 16 Preschool Music Activities 3 units
54 lecture hours
Transferable to CSU
Provides a foundation for musical experiences to involve young children in music by developing listening skills, movement, singing, playing an instrument, and incorporating the three basic elements of rhythm, melody, and harmony. Students build a resource file and create developmentally appropriate lesson plans that include music activities for transitions and cultural diversity. Introduces a variety of instruments appropriate for young children. (L)

ECE 17 The Exceptional Child 3 units
54 lecture hours
Transferable to CSU
Focuses on identification of children with special needs, resource and referral, full inclusion, activities and teaching strategies within the classroom setting. Typical and exceptional developmental characteristics, the IEP (Individual Education Plan) and IFSP (Individual Family Service Plan) and approaches to environment, behavior, and planning are topics for individual and group study. (L)

ECE 18 Curriculum and Strategies for Children with Special Needs 3 units
54 lecture hours
Transferable to CSU
Covers curriculum and intervention strategies for working with children with special needs in partnership with their families. Focuses on the use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments. Includes the role of the teacher as a professional working with families, collaboration with interdisciplinary teams, and the importance of culture. (L)

ECE 22 Developing Number Concepts 1 unit
18 lecture hours
Transferable to CSU
This course focuses on ways adults can help make mathematical concepts meaningful to preschool and kindergarten children rather than emphasizing counting and number recognition. Students will explore and construct various activities for the preschool and primary classroom.

ECE 25 Group Experiences in Outdoor 3 units
54 lecture hours
Transferable to CSU
Developing creative outdoor learning environments including playgrounds, activities and cooperative games. Circle time or daily planned group experiences will also be explored and developed through integrated, thematic instruction. (L)

ECE 27 Teaching In A Diverse Society 3 units
54 lecture hours
Transferable to CSU
C-ID ECE 230
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 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. (L)

ECE 31 Child, Family, Community 3 units
54 lecture hours
Transferable to CSU/UC
C-ID CDEV 101
An examination of the developing child in a societal context focusing on the interrelationships of family, school and community and emphasizing historical and cultural factors. The processes of socialization and identity development will be highlighted, showing the importance of respectful, reciprocal relationships that support and empower families. Not open for credit to students with credit in PFS 51. (L)

ECE 32 Parenting 3 units
54 lecture hours
Transferable to CSU
Techniques and advice encouraging a positive parenting style and effective child-rearing procedures, interaction patterns and levels of communication between family members and care givers. (L)

ECE 33 Infants and Toddlers 3 units
54 lecture hours
Transferable to CSU
Introduction to infants and toddlers birth to three years old, including growth and development through an understanding of biology and environment. Emphasis will be placed on the appropriate of the infant/toddler curriculum, dwellings and the application and consider infants and toddlers in group care situations, multicultural approaches to care, and infants-toddlers with special needs. (L)

ECE 35 Parents as Partners in ECE 3 units
54 lecture hours
Transferable to CSU
An in-depth study of the relationship between parents, teachers and children in the education process. Topics include communication skills necessary for parent-teacher conferences, increasing parent volunteer involvement, family lifestyles, family special needs, leadership and advocacy. Intended for experienced teachers. (L)

Language: recommended eligibility for English I.A. Mathematics: recommended eligibility for Math 52.
ECE 37 Adult Supervision 2 units 36 lecture hours
Transferable to CSU
Methods and principles of supervising student teachers in the ECE classrooms. Emphasis is on the role of experienced classroom teachers who function as mentors to new teachers while simultaneously addressing the needs of children, parents, and other staff. Satisfies adult supervision requirements for the State Department of Social Services. (L)

ECE 39 Children's Literature 3 units 54 lecture hours
Transferable to CSU
An introduction to children's literature: history, elements, and types of books of interest to children from birth through twelve years old. Students will read, share, and evaluate classical, cultural, and award-winning books. Methods of selecting and evaluating books will be applied. (L)

ECE 42 Infant/Toddler Development 3 units 54 lecture hours
Transferable to CSU
A study of infants and toddlers from pre-conception to age three including physical, cognitive, language, social, and emotional growth and development. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Emphasizes the role of family and relationships in development. (L)

ECE 43 Care and Education for Infants 3 units and Toddlers 54 lecture hours
Transferable to CSU
Study of current theory and research to the care and education of infants and toddlers in group settings. Emphasis will be placed on the essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months. (L)

ECE 46 Practicum - Field Experience 3 units - Preschool
18 lecture hours, 108 lab hours
Prerequisites: Satisfactory completion of: ECE 1A and ECE 3 and ECE 1B and ECE 31 and ECE 33
Transferable to CSU
C-ID ECE 210
A demonstration of developmentally appropriate early childhood teaching competencies under guided supervision. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate environments that promote positive development and learning for all young children. (L)

ECE 46A Practicum - Field Experience 3 units - Infant/Toddler
18 lecture hours, 108 lab hours
Prerequisites: Satisfactory completion of: ECE 1A and ECE 1B and ECE 3 and ECE 31 and ECE 33
Transferable to CSU
C-ID ECE 210
A demonstration of developmentally appropriate early childhood teaching competencies under guided supervision. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate environments that promote positive development and learning for all young children, with emphasis on children with special needs. (L)

ECE 46C Practicum - Field Experience 3 units - Children with Special Needs
18 lecture hours, 108 lab hours
Prerequisites: Satisfactory completion of: ECE 3 and ECE 1A and ECE 1B and ECE 17 and ECE 31
Transferable to CSU
C-ID ECE 210
A demonstration of developmentally appropriate early childhood teaching competencies under guided supervision. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate environments that promote positive development and learning for all young children, with emphasis on children with special needs. (L)

ECE 51 Special Topics in ECE v.5 to 2.5 units - Infant/Toddler
9-45 lecture hours
Contemporary issues and practices for teachers and caregivers in the Early Childhood area, including: curriculum, health and safety, legislation and advocacy, licensing regulations, and other related subjects. Students will apply the principles to their own work setting and age groups. Grades are P/NP. (L)

ECE 56 Effective Parenting 1 unit 18 lecture hours
Development of effective parent-child relationships. Topics include behavior, emotions, encouragement, and communication. Grades are P/NP. (L)

ECE 75 Play: Key to Positive Growth .5 unit 9 lecture hours
Play as a learning medium; cognitive, social/emotional, and physical factors directly involved in play and child growth. Multiple theories of play and development will be studied and analyzed. Grades are P/NP. (L)

ECE 83 Techniques of Story Telling 1 unit 18 lecture hours
Transferable to CSU
Methods of effective story-telling, including classroom use and ways to develop stories. Students will produce at least one story. Grades are P/NP. (L)

ECE 210 California Child Care Health Safety Course .5 unit 9 lecture hours
Designed to meet the requirements of Assembly Bill 962. Subject matter relates to child day care and is appropriate for anyone dealing with children on a regular basis where knowledge of CPR, Pediatric First Aid, and Health and Safety Training may be needed. Satisfies all requirements of the American Red Cross California Childcare course. Not open for credit to student with credit in AJ 210R. Grades are P/NP. (L)

ECE 512 Marine Ecology 3 units 54 lecture hours
Transferable to CSU/UC
An introduction to the physical marine environment, marine life, and the interactions between the two. Course also includes a study of human impact upon the marine environment. Grades are P/NP option. (L)
Programs and Courses

Economics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
<th>Prerequisites</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 1A</td>
<td>Elementary Economics</td>
<td>3 units</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 1B</td>
<td>Elementary Economics</td>
<td>3 units</td>
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Education

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<th>Remarks</th>
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</thead>
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<tr>
<td>EDUC 1</td>
<td>Introduction to Teaching</td>
<td>3 units</td>
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</tr>
<tr>
<td>EDUC 20</td>
<td>Tutoring Seminar</td>
<td>1 unit</td>
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Emergency Medical Technician

<table>
<thead>
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<th>Prerequisites</th>
<th>Remarks</th>
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<tr>
<td>EMT 61</td>
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Engineering

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<th>Remarks</th>
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<tbody>
<tr>
<td>ENGR 3</td>
<td>Engineering Graphics and Design</td>
<td>3 units</td>
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<tr>
<td>ENGR 6</td>
<td>Computational Problem Solving for Engineers</td>
<td>3 units</td>
<td></td>
<td></td>
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<tr>
<td>ENGR 10</td>
<td>Introduction to Engineering</td>
<td>3 units</td>
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</tbody>
</table>

ENGR 17  Circuits for Engineers  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: PHYS 4B
Corequisite: Concurrent enrollment or satisfactory completion of:
MATH 2
Transferable to CSU/UC
This course covers introductory laws and theorems of electrical
circuits: DC circuit analysis; natural and forced response
analysis of first and second-order systems; and solutions
using differential equations. Steady-state AC analysis covers
the use of phasors, AC power calculations, power transfer,
and energy concepts. Introduction is given to circuit devices
and systems including resistors, capacitors, inductors, dependent
sources, operational amplifiers, switches, transfer functions,
and frequency-selective circuits. (L,M)

ENGR 17L  Circuits Laboratory for Engineers  1 unit
54 lab hours
Corequisite: Concurrent enrollment or satisfactory completion
of: ENGR 17
Transferable to CSU/UC
Electronic and electrical experiments to reinforce the principles
taught in Engineering 17. Grades are P/NP option. (L,M)

ENGR 35  Statics  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: PHYS 4A
Corequisite: Concurrent enrollment or satisfactory completion of:
MATH 1C
Transferable to CSU/UC
This is a first course in mechanics as used in engineering -
emphasized on force systems and equilibrium conditions
in two and three dimensions including moments, couples
friction and methods of virtual work

ENGR 45  Properties of Materials  4 units
54 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of CHEM 1A and PHYS 4A
Transferable to CSU/UC
An introductory course in properties of materials used in
engineering; emphasis on the theory underlying the behavior
of engineering materials. Includes a face-to-face laboratory
component covering the testing of metals, polymers,
composites, wood, and other materials. (L,M)
ENGL 1B Critical Thinking & Writing About Literature
54 lecture hours
Prerequisite: Satisfactory completion of ENGL 1A or by placement
Transferable to CSU/C-ID ENGL 120
Critical thinking and writing about literature; develops critical thinking, reading, and writing skills applicable to the analysis of prose, poetry, drama, and criticism from diverse cultural sources and perspectives; emphasis on the techniques and principles of effective written argument; some research required. (L)

ENGL 1C Critical Thinking/Advanced Composition
3 units
54 lecture hours
Prerequisite: Satisfactory completion of ENGL 1A or ENGL 1E Transferable to CSU/C-ID ENGL 105
Principles of critical thinking, reading, and writing beyond freshman composition; focuses on the principles of, and the development of, logical and analytical reasoning, argumentative writing, and on the principles of metric writing, invention, arrangement, style, memory, delivery, modes of discourse, audience.

ENGL 1E College Composition and Reading
5 units
Reading: 3 units
90 lecture hours
Prerequisite: Satisfactory completion of ENGL 51 or ENGL 56 or by placement
Transferable to CSU/C-ID ENGL 100
An introductory course offering instruction in expository and argumentative writing, appropriate and effective use of language, close reading, cogent thinking, research strategies, documentation, and literary analysis. Students develop writing skills through courses in the recursive writing processes and integrating reading, writing, and speaking skills. Emphasis on developing academic, argumentative thinking, reading, and writing skills applicable to the analysis of literature directed at young people. Not open to students who have previously completed English 1A or 1E. (L)

ENGL 1F Extended Instruction for 1 unit
18 lecture hours
Prerequisite: Concurrent enrollment or satisfactory completion of ENGL 1A or by placement
Transferable to CSU
This course incorporates and contextualizes reading, writing, and research strategies aligned with English 1A coursework. Coursework and class activities will be aligned to student need. Grades are P/NP only.

ENGL 30A Introduction to American Literature
3 units
54 lecture hours
Other: Successful completion of English 1A or English 1E is strongly recommended. Enrollment in or completion of English 1B is encouraged.
Transferable to CSU
This course focuses on literary traditions, contexts, and genres during that time period. Writers include, among others, Braddock, Taylor, Franklin, Emerson, Thoreau, Hawthorne, Melville, Poe, Whitman, Dickinson. Special attention will be paid to major literature genres, themes, and historical backgrounds. (L)

ENGL 30B Introduction to American Literature
3 units
54 lecture hours
Other: Successful completion of English 1A or English 1E is strongly recommended.
Transferable to CSU/C-ID ENGL 135
A survey of American literature from its beginnings in 1620 to 1865. The course readings and discussions cover the evolution of literary traditions, contexts, and genres during that time period. Writers include, among others, Braddock, Bradstreet, Taylor, Franklin, Emerson, Thoreau, Hawthorne, Melville, Poe, Whitman, Dickinson. Special attention will be paid to major literature genres, themes, and historical backgrounds. (L)

ENGL 31A Creative Writing I: Intro to the Genres
3 units
54 lecture hours
Transferable to CSU/C-ID ENGL 200
Introduction to the craft of writing poetry, drama, fiction, and creative non-fiction. Conducted primarily as a workshop in which students analyze examples by professional writers in the various genres, write original pieces in the various genres, practice and apply specific craft techniques, and critique their own work and the work of other students. (CL)

ENGL 31B Creative Writing II: Writing and Editing for Publication
3 units
54 lecture hours
Prerequisite: Satisfactory completion of: ENGL 31A
Other: Successful completion of English 1A or English 1E is strongly recommended. Enrollment in or completion of English 1B is encouraged.
Transferable to CSU
This course focuses on literary traditions, contexts, and genres during that time period. Writers include, among others, Braddock, Bradstreet, Taylor, Franklin, Emerson, Thoreau, Hawthorne, Melville, Poe, Whitman, Dickinson. Special attention will be paid to major literature genres, themes, and historical backgrounds. (L)

ENGL 36 American Ethnic Voices
3 units
54 lecture hours
Transferable to CSU/C-ID ENGL 160
Survey of selected American ethnic writers of African, European, Native American, Central/South American, Mexican-American, Asian, and Middle Eastern descent, focusing on how these writers contribute to the dialogue of American voices and how the voices both reflect and shape a definition of American culture. (L)

ENGL 37 Women's Voices
3 units
54 lecture hours
Transferable to CSU/C-ID ENGL 160
An exploration of the thematic and stylistic elements of literature by and about women. Texts will be selected from a variety of ethnic groups in the United States and/or the world with an emphasis on the ways women’s lives have been shaped by societal expectations: gender roles, sexuality, identity, self-expression, socio-economic status, and ethnic and/or religious identities. This course will also focus on the ways that historical and ancient cultures are a foundation for understanding contemporary women’s literature. (L)

ENGL 38 Classic and Contemporary Youth Literature
3 units
Youth Literature
54 lecture hours
Transferable to CSU/C-ID ENGL 160
Examines representative works of children’s and young adult literature, with emphasis on developing students’ close reading and analytical writing skills while promoting an appreciation for the aesthetic qualities of literature directed at young people. Emphasizes contemporary texts, classic works, and the socio-historical contexts of children’s and YA literature. Explores common literary elements and subgenres, such as fantasy and the quest, the school story, fairytale and folk tale, cautionary tales, and coming-of-age stories. Emphasizes literature that represent diverse audiences and communities. (L)

ENGL 40A Tutoring Reading and Writing I
1 unit
18 lecture hours
Prerequisite: Satisfactory completion of: ENGL 1A or ENGL 1E
Transferable to CSU/C-ID ENGL 160
A training program that prepares student tutors to support peers as they work with academic reading and writing assignments across the disciplines. This course includes an introduction to research-backed learning theories and tutoring strategies.

ENGL 40B Tutoring Reading and Writing II
1 unit
18 lecture hours
Prerequisite: Satisfactory completion of ENGL 40A
Transferable to CSU/C-ID ENGL 160
An advanced training program that further prepares student tutors to support peers as they work with academic reading and writing assignments across the disciplines. This course includes additional inquiry into research-backed ELL learning theories and tutoring strategies, with an emphasis on adapting tutoring strategies to specific ELL contexts.

ENGL 45C Tutoring Reading and Writing III
1 unit
18 lecture hours
Prerequisite: Satisfactory completion of: ENGL 40B Transferable to CSU/C-ID ENGL 160
An advanced training program that further provides student tutors to support English Language Learner (ELL) peers as they work with academic reading and writing assignments in non-ELL courses across the disciplines. This course includes additional inquiry into research-backed ELL learning theories and tutoring strategies, with an emphasis on adapting tutoring strategies to specific ELL contexts.

ENGL 46A Introduction to British Literature I
3 units
54 lecture hours
Other: Successful completion of English 1A or 1E is strongly recommended. Transferable to CSU/C-ID ENGL 160
Survey of English literature from its beginnings to the end of the 18th Century; writers include, among others, Chaucer, Shakespeare, Donne, Milton, and Pope; special attention paid to major literary genres.

ENGL 46B Introduction to British Literature II
3 units
54 lecture hours
Other: Successful completion of English 1A or 1E is strongly recommended. Transferable to CSU/C-ID ENGL 160
Survey of English literature from the end of the 18th Century to the present; writers include, among others, Blake, Wordsworth, Coleridge, Tennyson, Arnold, Joyce, Yeats, and Eliot; special attention paid to major literary genres.

ENGL 51 Preparationary Compositional Skills
4 units
72 lecture hours
Prerequisite: Satisfactory completion of: ENGL 105 or ESL 105 or by placement exam
This pre-collegiate course, one level below College Composition (English 1A), requires students to read, analyze, and respond to texts in order to write coherent essays and paragraphs. Essays may include additional inquiry into research-backed learning theories and tutoring strategies.

Programs and Courses

Programs and Courses

2020-2021 Catalog
ENGL 56  Accelerated Preparation for 5 units
 College Composition and Reading
 90 lecture hours
 Prerequisite: Placement Exam
 Accelerated preparation for College Composition and Reading (English 1A). Intensive instruction in the academic mindsets, reading, reasoning, and writing expected in transfer and associate-degree courses. Students engage in extensive academic reading of college-level texts and write a minimum of 10,000 words. Successful completion allows students to enroll in English 1A.  

ENGL 105  Pre-Collegiate Composition 4 units and Reading
 72 lecture hours
 Prerequisite: Placement Exam
 This pre-collegiate course, two levels below College Composition (English 1A), requires students to develop strategies for reading, analyzing and responding to texts in order to write coherent essays. Students will practice academic reading strategies, using rhetorical strategies, and writing as a process. Students will also learn to edit their writing according to standards of written English.

English as a Second Language

ACADEMIC PREPAREDNESS AND CAREER DEVELOPMENT (Certificate of Competency)

Students who complete this program should be able to:
1. Write coherent expository essays and/or summary-responses at a level sufficient to transition to ENGL 105 or 56.
2. Produce and comprehend advanced grammatical structures at a level sufficient to transition to ENGL 105 or 56.
3. Demonstrate grammar, listening, speaking, and reading skills needed to verbally communicate and understand information and ideas in personal, academic, and vocational settings.

Required Courses
- ESL 540A Low-Advanced Grammar
- ESL 516A Academic Reading and Writing for ESL 1 or ESL 516B Academic Reading and Writing for ESL 2

ACADEMIC PREPAREDNESS AND CAREER DEVELOPMENT (Certificate of Advancement)

Students who complete this program should be able to:
1. Write coherent expository essays and/or summary-responses at a level sufficient to transition to ENGL 105 or 56.
2. Produce and comprehend advanced grammatical structures at a level sufficient to transition to ENGL 105 or 56.
3. Demonstrate grammar, listening, speaking, and reading skills needed to verbally communicate and understand information and ideas in personal, academic, and vocational settings.

Required Courses
- ESL 540A Low-Advanced Grammar
- ESL 516A Academic Reading and Writing for ESL 1 or ESL 516B Academic Reading and Writing for ESL 2

INTERPERSONAL COMMUNICATION (Certificate of Competency)

Students who complete this program should be able to:
1. Use reading and writing skills to read and understand a variety of written texts at work, school, and in the community.
2. Demonstrate listening and speaking skills needed to communicate at work, at school, and in the community using studied materials, vocabulary, and grammar.

Required Courses
- ESL 563 High-Intermediate Grammar
- ESL 568 High-Intermediate Writing

Electives:
- ESL 556 Integrated ESL Skills, Level 6 or ESL 559 MAT The Language of Mathematics for ESL Students
- ESL 539ECE English Skills for Parents and Child Care Providers
- ESL 549 COM Computer Skills for ESL Students

INTERPERSONAL COMMUNICATION (Certificate of Advancement)

Students who complete this program should be able to:
1. Use reading and writing skills to read and understand a variety of written texts at work, school, and in the community.
2. Demonstrate listening and speaking skills needed to communicate at work, at school, and in the community using studied materials, vocabulary, and grammar.

Required Courses
- ESL 265 High-Intermediate Writing
- ESL 263 High-Intermediate Grammar

Electives:
- ESL 259 MAT The Language of Mathematics for ESL Students
- ESL 265 Integrated ESL Skills, Level 6
- ESL 259 EMP English for Employment or ESL 265 Integrated ESL Skills, Level 6
- ESL 239ECE English Skills for Parents and Child Care Providers
- ESL 249 COM Computer Skills for ESL Students

Total units required 4-12

LIFE SKILLS (Certificate of Competency)

Students who complete this program should be able to:
1. Write a well-developed paragraph with a topic sentence, supporting ideas, and a concluding sentence at a low-intermediate level.
2. Create, format, type, save, and revise a Word document on a computer for academic assignments and personal needs.

Required Courses
- ESL 542 Low-Intermediate Grammar
- ESL 545 Integrated ESL Skills, Level 4

Electives
- ESL 549 COM Computer Skills for ESL Students or ESL 539 MAT The Language of Arithmetic for ESL Students or ESL 539ECE English Skills for Parents and Child Care Providers
<table>
<thead>
<tr>
<th>Program</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL 40A</td>
<td>Low-Advanced Grammar 3 units 54 lecture hours Prerequisite: Satisfactory completion of ESL 263 or ESL 563 or by placement exam. Transferrable to CSUCUC - UC Unit Limit</td>
</tr>
<tr>
<td>ESL 116A</td>
<td>Academic Reading and Writing for ESL 1 72 lecture hours Prerequisite: Satisfactory completion of ESL 268, or ESL 568 or ESL 265 or ESL 565 or by placement exam. This course emphasizes the development of basic reading and writing skills including active reading and writing processes, vocabulary development, grammar and mechanics, simple and compound sentences, paragraph development, summary-response compositions, and small group and whole class work to strengthen basic reading and writing skills. Concurrent enrollment in 40A, 40B, and/or 40C recommended.</td>
</tr>
<tr>
<td>ESL 255</td>
<td>Integrated ESL Skills, Level 5 5 units 30 lecture hours Prerequisite: Satisfactory completion of ESL 245 or by placement exam. Language development for high-intermediate limited English speakers. Concentration on all language skills – reading, writing, speaking, listening, and grammar. This course is the fifth in a series of six integrated skill courses (215, 225, 235, 245, 255, and 265) leading to a certificate of completion in English at the high-intermediate level.</td>
</tr>
<tr>
<td>ESL 258</td>
<td>Intermediate Writing 4 units 72 lecture hours Prerequisite: Satisfactory completion of ESL 245 or ESL 545 or by placement exam. Writing for intermediate ESL. Develops ability to write more detailed paragraphs using simple and compound sentences in varied verb tenses with proper grammar and mechanics. Concurrent enrollment in ESL 253/553 and 255/555 highly recommended.</td>
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<tr>
<td>ESL 268</td>
<td>High-Intermediate Writing 4 units 72 lecture hours Prerequisite: Satisfactory completion of ESL 258 or ESL 558 or ESL 255 or ESL 555 or by placement exam. Writing for high-intermediate ESL students. Further develops ability to write longer, correctly formatted paragraphs and short compositions with simple, compound, and complex sentences using proper grammar, spelling and verb tenses. Concurrent enrollment in ESL 263/563 and 265/565 is highly recommended.</td>
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**Fire Technology**

**Associate in Science**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
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<tbody>
<tr>
<td>FIRTC 1 Fire Protection Organization</td>
<td>3</td>
</tr>
<tr>
<td>FIRTC 2 Fire Prevention Technology</td>
<td>3</td>
</tr>
<tr>
<td>FIRTC 3 Fire Protection Equipment and Systems</td>
<td>3</td>
</tr>
<tr>
<td>FIRTC 4 Building Construction for Fire Protection</td>
<td>3</td>
</tr>
<tr>
<td>FIRTC 5 Fire Behavior and Combustion</td>
<td>3</td>
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<tr>
<td>FIRTC electives</td>
<td>3</td>
</tr>
<tr>
<td>Total units required for degree major</td>
<td>18</td>
</tr>
</tbody>
</table>

Students earning an AA/AS degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the health requirement, in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

**Additional Recommended Courses:**

- BISL 5 Human Physiology
- BCA 15 Business Computer Applications - Beginning
- CHEM 2A Introduction to Chemistry
- CWEE 45 Occupational Work Experience
- EMT 61 Emergency Medical Technician II
- OA 15A OR 15 Elementary Keyboarding

**FIRST RESPONDER**

(Certificate of Training)

<table>
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<tr>
<th>Required Courses</th>
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</thead>
<tbody>
<tr>
<td>FIRTC 205 Emergency Response</td>
<td>3</td>
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</tbody>
</table>
Programs and Courses

FIRE TECHNOLOGY (Certificate of Achievement)

Students who complete this program should be able to:
1. Apply prevention/protection/firefighting theories, principles, and concepts to address real-life situations in the field.
2. Analyze, interpret, and evaluate prevention/protection/firefighting theories, policies, practices, and procedures to develop strategies to prevent, control, and fight fires.
3. Discuss the role of the fire service in the community and the importance of its Mission Statement.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRTC 1</td>
<td>Fire Protection Organization</td>
<td>3</td>
</tr>
<tr>
<td>FIRTC 2</td>
<td>Fire Prevention Technology</td>
<td>3</td>
</tr>
<tr>
<td>FIRTC 3</td>
<td>Fire Protection Equipment and Systems</td>
<td>3</td>
</tr>
<tr>
<td>FIRTC 4</td>
<td>Building Construction for Fire Protection</td>
<td>3</td>
</tr>
<tr>
<td>FIRTC 5</td>
<td>Fire Behaviors and Combustion</td>
<td>3</td>
</tr>
<tr>
<td>FIRTC 6</td>
<td>Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

Plus 6 units from the following:
- AJ 1/10 Introduction to Criminal Justice System
- ENGL 1A College Composition and Reading
- ENGL 3A Technical Writing and Composition
- SPECH 1 Public Speaking

Total units required: 26

FIRE TECHNOLOGY-FIRE ACADEMY (Associate in Science)

Students who complete this program should be able to:
1. Analyze the elements of firefighter safety and survival, differentiate fire prevention, firefighting, and the types of fire apparatus.
2. Demonstrate the ability to analyze, appraise, and evaluate fire and emergency incidents and identify components of emergency management and fire fighter safety.
3. Demonstrate knowledge and understand of the fire service industry.

Required Courses

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tr>
<td>FIRTC 64A</td>
<td>Fire Fighter I Academy Module A</td>
<td>26</td>
</tr>
<tr>
<td>FIRTC 64B</td>
<td>Fire Fighter 1 Academy Module B</td>
<td>26</td>
</tr>
</tbody>
</table>

Students earning an AAS degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the health requirement, in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

FIRE TECHNOLOGY-FIREFIGHTER ACADEMY (Certificate of Achievement)

Students who complete this program should be able to:
1. Analyze the elements of firefighter safety and survival, differentiate fire prevention, firefighting, and the types of fire apparatus.
2. Demonstrate the ability to analyze, appraise, and evaluate fire and emergency incidents and identify components of emergency management and fire fighter safety.
3. Demonstrate knowledge and understand of the fire service industry.

Required Course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRTC 65</td>
<td>Firefighter I Certification</td>
<td>1</td>
</tr>
</tbody>
</table>

This course is offered to students that meet the State Fire Training (SFT) requirements to test for the Firefighter I (FFI) including the capstone knowledge and skills required to pass the FFI. Upon successful completion, the student will receive a pass letter from SFT and a FFI pass certificate from the college. Grades are IP/NP only.

FIRTC 66  Firefighter I Academy (Certificate of Training)

Students who successfully complete the academy may be certified by the State of California after completing either one year as a volunteer fire fighter or six months as a paid fire fighter with a California fire department. To assist graduates of the academy in obtaining the required experience at a California fire department, Yuba College also offers the Fire Technology Practicum.

FIRTC 67  Firefighter I Academy (Certificate of Training)

This course provides fundamental knowledge relating to the field of fire prevention. Topics include: history and philosophy of fire prevention, organization, and operation of a fire prevention bureau; use and application of fire codes and standards; plans review; fire inspections; fire and life safety education; and fire investigation.

FIRTC 68  Firefighter I Certification (Certificate of Training)

This course provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies.

FIRTC 69  Firefighter II Academy (Certificate of Training)

This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the development of life safety education and behavior change throughout the emergency services.

FIRTC 70  Firefighter III Academy (Certificate of Training)

This course provides the skills and knowledge needed for the fire fighter to take on increased leadership roles and responsibilities pertaining to fire department communications, fireground operations, rescue operations, and fire and life safety initiatives, preparedness, and maintenance.
Programs and Courses

FRITC 84  Low Angle Rope  1 unit
Rescue Operations
12 lecture hours, 4 lab hours
Designed primarily for those working in the fire service, but is open to anyone. This course will equip the student with the techniques and methods for using rope, webbing, hardware, friction devices, and litters in low angle rescues. Areas covered include: rope and related equipment, anchor systems, safety lines, stretcher lashing and rigging, mechanical advantage systems along with single line and two line rescue systems. Upon successful completion of the course, students will receive State Fire Marshal certification. Grades are P/NP. (L) 

FRITC 206  Hazardous Materials-FRO  1 unit
12 lecture hours, 12 lab hours
Designed primarily for First Responders who are at risk of exposure to toxic substances. Covers type, nature and physiological effects of hazardous materials. Designed to develop new First Responder attitudes toward health and safety and to increase safe behaviors in responding to hazardous material incidents. Upon completion of the course, students will receive State Fire Marshal certification. Grades are P/NP. (L) 

FRNCH 1  Elementary French, 4 units
Part 1
72 lecture hours
Transferable to CSU/UC
Focusses on the development of listening, speaking, reading and writing French, as well as the fundamentals of French grammar. The relationship of the language to French civilization and the culture of the French-speaking world is given special attention. This course is equivalent to one year of high school French. 

FRNCH 2  Elementary French, 4 units
Part 2
72 lecture hours
Transferable to CSU/UC
Prerequisite: Satisfactory completion of: FRNCH 1 or. Other: Prerequisite: One year of high school French, or Placement exam: Students must score 70% or higher on a placement test administered by the Foreign Language Department. Or by placement exam
Transferable to CSU
A continuation of French 1. Provides further basic communication skills through listening, speaking, reading and writing. It includes practice at the intermediate level and review of the fundamentals of French grammar. (L) 

GENERAL BUSINESS
(See Business) 

French

Programs and Courses

General Education

The General Education area major is approved by the California Community College Chancellor's Office and is designed to provide students with the opportunity to earn an Associate in Arts or Associate in Science degree in a broad area of study. Students who wish to transfer to a four-year college or university should consult with a counselor prior to beginning one of these majors for appropriate course selection. 

Note: These majors will be printed on the diploma. One of these General Education degrees may be earned. 

For the General Degree, you will need to complete one of the five areas listed. You may select the general education major of:
1. ARTS & HUMANITIES -- Associate in Arts Degree
2. SOCIAL AND BEHAVIORAL SCIENCES -- Associate in Science Degree
3. NATURAL SCIENCE -- Associate in Science Degree
4. COMMUNICATION -- Associate in Arts Degree

ARTS & HUMANITIES (Associate in Arts Degree):
This degree emphasizes the study of cultural, literary, humanistic activities and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students will learn to value aesthetic understanding and incorporate these concepts when constructing value judgments. Students who complete this program should be able to:
1. Demonstrate an awareness of diverse human responses to the world around them through artistic and cultural creation.
2. Evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation.
3. Value aesthetic understanding and incorporate these concepts when constructing value judgments.
Students must complete 18 units from at least three of the areas listed below. Courses must be completed with a "C" or higher grade.
Art 1A, 1B, 1C, 3A, 3B, 5, 31
Asian American Studies 31
Early Childhood Education 39
English 1B, 2, 30A, 30B, 31A, 31B, 33, 34, 36, 37, 42, 46A, 46B
French 1, 10
History 4A, 4B, 5A, 5B, 7, 14, 15, 16A, 16B, 17A, 17B
Humanities 3, 5, 10, 11, 12, 15, 20, 26A, 26B, 31, 33, 34
Music 1, 1A, 1B, 3, 8A, 8B, 12, 15, 16
Philosophy 1, 2, 3, 20
Sign 1, 2, 3
Spanish 1, 2, 3, 4, 10, 20A, 20B, 35, 36
Speech 2
Theatre Arts 10, 33, 34
Students earning an AA degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the health requirement, in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

C.I.M. Advisories: Computer Literacy: recommended basic computer skills.
Language: recommended eligibility for English 1A. Mathematics: recommended eligibility for Math 30A.

Mathematics:
Computer Literacy:
Language:

2020-2021 Catalog
Programs and Courses

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

Students who complete this program should be able to:
1. Demonstrate the Ability to Accomplish Communicative Goals.
2. Create Messages Appropriate to the audience, purpose, and context.

Students must complete 18 units, selecting at least one course from each of the areas listed below. Courses must be completed with a "C" or higher grade.

**English 1A, 1B, 1C**
- Philosophy 12
- Speech 1, 3, 6, 7, 9

Students earning an AAAS degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the Health requirement; in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

NATURAL SCIENCE (Associate in Science Degree): This degree allows the student to take courses that will prepare them for possible majors within the fields of science, including the allied Health fields, nursing preparation, health science and related fields, pre-med and more.

Students who complete this program should be able to:
1. Analyze data effectively using current technology.
2. Communicate scientific ideas and principles clearly and effectively.
3. Analyze and apply fundamental mathematical, physical and chemical concepts and techniques to scientific issues.
4. Apply fundamental concepts and techniques.

Students must complete 18 units from at least three of the areas listed below. At least one course must be selected from Mathematics or Statistics. Courses must be completed with a "C" or higher grade.

**Anthropology 1**
- Astronomy 1, 11
- Biology 1, 2, 3, 4, 5, 6, 10, 10L, 11, 15, 25
- Chemistry 1A, 1B, 2A, 2B, 10
- Ecology 10, 11, 12
- Geography 1
- Geology 10, 10L, 11L
- Mathematics 1A, 1B, 9, 10, 15, 16, 21, 25
- Physical Science 10A, 10B, 10C
- Physics 2A, 2B, 3A, 3B, 4A, 4B
- Plant Science 20L, 22L, 22L
- Statistics 1

Students earning an AAAS degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the Health requirement; in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

SOCIAL AND BEHAVIORAL SCIENCES (Associate in Science Degree): This degree emphasizes the perspective, concepts, theories and methodologies of the disciplines typically found in the vast variety of disciplines that comprise study in the Social and Behavioral Sciences. Students will study about themselves and as members of a larger society. Topics and discussion to stimulate critical thinking about ways people have acted in response to their societies will allow students to evaluate how societies and social subgroups operate.

Students who complete this program should be able to:
1. Employ concepts and research methodologies from a variety of social and behavioral science disciplines.
2. Demonstrate understanding of how the self is shaped by membership in modern society.
3. Demonstrate understanding of and ability to delineate how different social subgroups have responded to their societies under different historical and cultural conditions.

Students must complete 18 units from at least three of the areas listed below. Courses must be completed with a "C" or higher grade.

- Administration of Justice 10
- Anthropology 2, 3
- Economics 1A, 1B
- Early Childhood Education 3, 31
- Ethnic Studies 1
- Geography 1
- History 4A, 4B, 5A, 5B, 7, 14, 15, 16A, 16B, 17A, 17B
- Political Science 1
- Psychology 1A, 12, 22, 31, 33, 41, 46
- Sociology 1, 2, 5, 10, 30
- Speech 8

Students earning an AAAS degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the Health requirement; in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

Geography

GEOG 1   Physical Geography   3 units
Transferable to CSU/UC

C-ID GEOG 110
A spatial study of Earth's dynamic physical systems and processes. Topics include maps, earth-sun relations, weather, climate, water, landforms, soils, and the biosphere. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. (L)

GEOG 5   World Regional Geography   3 units
Transferable to CSU/UC
Survey of the world's culture regions and nations as interpreted by geographers, including physical, cultural, and economic features. Emphasis on spatial and historical influences on population growth, transportation networks, and natural environments. Identification and importance of the significant features of regions.
Geology

Geology is an interdisciplinary science that combines geological observations and concepts with those of physics, chemistry, biology and mathematics in order to study the Earth, its physical environments, and its history. By studying rocks, fossils, and minerals, and by learning to read and interpret maps, geologists seek to understand those geologic principles and processes that shape the earth and its environment.

Geology (Associate in Science for Transfer)

Students who complete this program should be able to:
1. Identify basic rock types and describe the formation environment.
2. Describe the geologic time scale and significant earth events that define areas, periods, and epochs.
3. Describe the unique tectonic evolution of California and its major geologic provinces.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 10L</td>
<td>Physical Geology</td>
<td>4 units</td>
</tr>
<tr>
<td>GEOL 11L</td>
<td>Historical Geology</td>
<td>4 units</td>
</tr>
<tr>
<td>CHEM 1A</td>
<td>General Chemistry</td>
<td>5 units</td>
</tr>
<tr>
<td>MATH 1A</td>
<td>Single Variable Calculus I</td>
<td>5 units</td>
</tr>
<tr>
<td>C-ID GEOL 200</td>
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</tbody>
</table>

Required Courses Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>GEOL 12</td>
<td>Oceanography</td>
<td>3 units</td>
</tr>
<tr>
<td>Transferable to CSU/UC</td>
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</table>

This general introduction to the basic principles of oceanography including the study of geological, physical, and chemical oceanography. Topics will include the origin of Earth and the oceans, plate tectonics, marine provinces, sediment, seawater, composition and geochemical distributions, surficial and deep-water oceanic circulation, waves, tides, coastal erosion and deposition, marine ecosystems, and human’s effects on the oceans. (L)

<table>
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<tr>
<th>Course Code</th>
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<th>Units</th>
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</thead>
<tbody>
<tr>
<td>GEOL 20</td>
<td>Geology of California</td>
<td>3 units</td>
</tr>
<tr>
<td>Transferable to CSU/UC</td>
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</tbody>
</table>

This course focuses on the geology of the Sierra Nevada, with an emphasis on the tectonic and erosional history of the area. The course includes study of the various intrusive rocks and the minerals they contain, as well as the relative ages of the plutons. Glacial erosional and depositional processes will be discussed. (L)

<table>
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<tr>
<th>Course Code</th>
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<th>Units</th>
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</thead>
<tbody>
<tr>
<td>GEOL 40</td>
<td>Regional Geology - Sierra Nevada</td>
<td>v1-2 units</td>
</tr>
<tr>
<td>Transferable to CSU</td>
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</tbody>
</table>

This course will explore one or multiple desert locations specific to California. Content will focus on specific features of geomorphic interest, and will include geographic features. Historical climates will also be considered as well as human impact and preservation. (L)

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 41</td>
<td>Field Trip</td>
<td></td>
</tr>
<tr>
<td>Transferable to CSU</td>
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<td></td>
</tr>
</tbody>
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<th>Course Code</th>
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<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 43</td>
<td>Regional Geology - California Coasts</td>
<td>v1-3 units</td>
</tr>
<tr>
<td>Transferable to CSU</td>
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</tbody>
</table>

This field course provides an opportunity to explore a specific area of coastal interest in California. The course will explore the tectonic setting, the rock cycle, weather and erosion, and topics specific to coastlines. Trip location will vary depending on season and accessibility. Varying amounts of hiking will be required depending on the location. Students are responsible for the costs of meals, transportation, and camping or lodging. (L)

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<tr>
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<tbody>
<tr>
<td>GEOL 44</td>
<td>Field Trip</td>
<td></td>
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<td>Transferable to CSU</td>
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## Health Education

**HLTH 1**  
**Health and Life Style Choices**  
3 units  
54 lecture hours  
Transferable to CSU/UC - UC Unit Limit  
This course focuses on health and wellness concepts important in making informed choices about one’s physical, mental, and emotional well-being. A personal approach to health goals will be explored through self-assessment and practical application to everyday life topics. Such issues as fitness, weight management, nutrition, stress, substance use and abuse, prevention of diseases, sexual health, relationships, mental health, cardiovascular disease, cancer, and healthy aging will be discussed.

**HLTH 2**  
**First Aid & Cardiopulmonary Resuscitation**  
1 unit  
18 lecture hours  
Transferable to CSU  
This course involves the theory and detailed demonstration of the first aid and care of the injured. The student will learn to assess a victim’s condition and incorporate proper treatment. Standard first aid, CPR, and AED certification will be granted upon successful completion of requirements. Grades are P/NP option.

**HLTH 3**  
**Psychosocial Health**  
3 units  
54 lecture hours  
Transferable to CSU/UC - UC Unit Limit  
Explores how attitudes and emotions affect physical health along with emotional health, and how psychosocial health can play a role in prevention of disease. This class presents current research on the link between the mind and the body. (L)

**HLTH 4**  
**Sport Psychology**  
3 units  
54 lecture hours  
Transferable to CSU/UC  
Provides a concentrated study of human behavior in the context of participating in sport and how behavior (performance) is affected by other sources. Includes study about motivation, the brain’s impact on performance, stress, goal setting, sport imagery and current research into sport performance.

**HLTH 10**  
**Principles of Nutrition**  
3 units  
54 lecture hours  
Transferable to CSU/UC  
An in-depth study of nutrients and their functions, chemical composition of foods and their utilization in the body. Course topics such as weight loss, sports nutrition, food safety, the diet-disease relationship, global nutrition, and individual's nutritional needs throughout the life cycle are emphasized. Course includes assessment of the student's own nutritional health.

**HLTH 13**  
**Nutrition and Fitness**  
3 units  
54 lecture hours  
Transferable to CSU/UC  
The analysis and evaluation of current practices and theories regarding nutrition and exercise and their relationship to weight control and physical fitness. Individualized exercise prescription and nutritional analysis will be completed by each student. (L)

## History

**The Associate in Arts in History for Transfer degree** provides students with the opportunity to complete their freshman/sophomore level courses needed for a Bachelor’s degree in History within the California State University System. Upon completion of the Associate in Arts in History for Transfer degree, students will be able to use knowledge of the past and accumulated analytical and critical thinking skills to gain perspective on current social, political, and economic dynamics and apply any conclusions about the past and their influences to the process of creating better local, national, and global societies.

**History is a study of the past.** The past not only defines our lives, society, and the world we live in today, but shapes the pathway to the future. Study of history study of individual, groups, communities, nations, people, and cultures from different times and places. Many different methods are applied to effectively learn history. History students examine the past through different perspectives and apply various analytical techniques to raise questions and then critically about the past. In addition to learning about amazing events, history provides us with a better understanding of our present lives.

### History (Associate in Arts)

Students who complete this program should be able to:

1. Demonstrate a breadth and depth of historical knowledge including but not limited to analysis of historical evidence to evaluate the causes and effects of key turning points in the human experience.  
2. Examine the experiences of various people throughout time and space and their significance to global development.  
3. Demonstrate an understanding of the ways in which modern day people are profoundly impacted by historical events and how an appreciation of the past should inform how we approach contemporary issues.

#### Required Courses

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 1A United States History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1B United States History</td>
<td>3</td>
</tr>
</tbody>
</table>

#### List A: Must complete 6 units from the following:

- HIST 5A World Civilizations
- HIST 5B World Civilizations
- HIST 4A Western Civilization
- HIST 4B Western Civilization
- HIST 9A World Civilizations
- HIST 9B World Civilizations

#### List B: Must complete 3 semester units from Group 1 and 3 semester units from Group 2

**Group 1: Select HIST 5A World Civilizations or HIST 5B World Civilizations if not already used in List A.**

**Group 2: Select any course from List A if not already used or any course from the following:**

- History of North America
- History of African-American History
- History of Mexican-American History
- History of African-American History to 1865
- History of African-American History since 1865
- History of Women in American History

### Total units required for degree major

18 units

### Language:

English 1A is recommended eligibility for English 1A.  
Students earning an AA-T, AS-T degree must complete 60 semester units of coursework eligible to transfer to the CSU including the CSU GE or IGETC (CSU version) course, all courses in the major with “C” or better grades, and achieve a minimum transferable cumulative GPA of 2.0.

### History

#### History (Associate in Arts)

Students who complete this program should be able to:

1. Demonstrate a breadth and depth of historical knowledge including but not limited to analysis of historical evidence to evaluate the causes and effects of key turning points in the human experience.  
2. Examine the experiences of various people throughout time and space and their significance to global development.  
3. Demonstrate an understanding of the ways in which modern day people are profoundly impacted by historical events and how an appreciation of the past should inform how we approach contemporary issues.

#### Required Courses

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>HIST 17A United States History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 17B United States History</td>
<td>3</td>
</tr>
</tbody>
</table>

#### List A: Must complete (6) units from the following:

- HIST 4A Western Civilization
- HIST 4B Western Civilization
- HIST 5A World Civilizations
- HIST 5B World Civilizations

#### List B: Must complete 6 semester units of any history course (including List A courses, if not used above) or any non-history course from the humanities or social sciences related to history articulated as fulfilling CSU GE Area C or D:

- History of Western Civilization
- History of World Civilizations

### History

#### Total units required for degree major

18 units

### Group 2:

Select any course from List A if not already used or any course from the following:

- ANTH 2 Cultural Anthropology
- ECON 1A Elementary Economics-Macro
- ECON 1B Elementary Economics-Micro
- HUMAN 10 Introduction To Western Humanities
- HUMAN 11 Art, Literature and Cultures in Humanities
- POLSCI 1 Introduction to American Government
- POLSCI 2 Comparative Politics
- SOC 1 Introduction to Sociology
- SOC 5 Sociology of Race and Ethnicity
- HUMAN 31 Asian American Humanities & Cultures
- HUMAN 32 Asian American Humanities & Cultures

### Total units required for degree major

18 units

### History

#### History (Associate in Arts)

Students who complete this program should be able to:

1. Demonstrate a breadth and depth of historical knowledge including but not limited to analysis of historical evidence to evaluate the causes and effects of key turning points in the human experience.  
2. Examine the experiences of various people throughout time and space and their significance to global development.  
3. Demonstrate an understanding of the ways in which modern day people are profoundly impacted by historical events and how an appreciation of the past should inform how we approach contemporary issues.

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<tbody>
<tr>
<td>HIST 17A United States History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 17B United States History</td>
<td>3</td>
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</tbody>
</table>

#### List A: Must complete (6) units from the following:

- HIST 4A Western Civilization
- HIST 4B Western Civilization
- HIST 5A World Civilizations
- HIST 5B World Civilizations

#### List B: Must complete 6 semester units of any history course (including List A courses, if not used above) or any non-history course from the humanities or social sciences related to history articulated as fulfilling CSU GE Area C or D:

- History of Western Civilization
- History of World Civilizations

### History

#### Total units required for degree major

18 units

### Group 2:

Select any course from List A if not already used or any course from the following:

- ANTH 2 Cultural Anthropology
- ECON 1A Elementary Economics-Macro
- ECON 1B Elementary Economics-Micro
- HUMAN 10 Introduction To Western Humanities
- HUMAN 11 Art, Literature and Cultures in Humanities
- POLSCI 1 Introduction to American Government
- POLSCI 2 Comparative Politics
- SOC 1 Introduction to Sociology
- SOC 5 Sociology of Race and Ethnicity
- HUMAN 31 Asian American Humanities & Cultures
- HUMAN 32 Asian American Humanities & Cultures

### Total units required for degree major

18 units
HIST 15 Mexican-American History 3 units
Transferable to CSU/UC
Historical development of Mexican Americans from Mexican origin, settlement in the United States, to the present time. Emphasis is given to the pre-Columbian setting, the indigenous heritage, European conquest and legacy, distinctive colonial institutions, and the growth of independence movements in the United States and Mexico. Major political, social, economic, and cultural factors will be presented. Focusing on the roles played by diverse peoples and cultures who share in the development of the United States and Mexico. Satisfies CSU Title 5, Section 40404, U.S. History, Constitution, and American ideals requirement when both HIST 15 and POLSCL 1 are completed. Not open for credit to students who have completed ETHN 15 OR 15AR. 15. (L)

HIST 16A African-American History to 1865 3 units
54 lecture hours
Transferable to CSU/UC - UC Unit Limit
Survey of African American history from pre-colonial period to the Civil War. Not open to students with credit in AFRO 16A (Ethnic Studies). (L)

HIST 16B African-American History 3 units
54 lecture hours
Transferable to CSU/UC - UC Unit Limit
Survey of African American history from Civil War to the present. Not open for credit to students with credit in AFRO 16B (Ethnic Studies). (L)

HIST 17A United States History 3 units
54 lecture hours
Transferable to CSU/UC - UC Unit Limit
Survey of U.S. history tracing the political, social, economic, and cultural development of American ideals and actions from the Pre-Revolutionary Period through the Civil War and Reconstruction Eras. Satisfies CSU Title V, Section 40404, U.S. History, Constitution, and American ideals requirement when both HIST 17A and POLSCL 1 are completed. (L)

HIST 17B United States History 3 units
54 lecture hours
Transferable to CSU/UC - UC Unit Limit
C-ID HIST 130
Survey of U.S. history tracing the political, social, economic, and cultural development of American ideals and actions from the Pre-Revolutionary Period through the Civil War and Reconstruction Eras. Satisfies CSU Title V, Section 40404, U.S. History, Constitution, and American ideals requirement when both HIST 17A and POLSCL 1 are completed. (L)

HIST 29 Women in American History 3 units
54 lecture hours
Transferable to CSU/UC
General introduction to the history of women in America from colonial times to the present. Emphasis on the changing political, economic, social, and ethnic history. Not open for credit to students with credit in WOMEN 29. Grades are IP/NI option. (L)

CHEMICAL DEPENDENCY COUNSELOR (Associate in Science)

Students who complete this program are able to:
1. Perform clinical evaluations which is the systematic approach to screening and assessment of individuals thought to have a substance use disorder; being considered for admission to addiction-related services, or presenting in a crisis situation.
2. Develop treatment plans which are a collaborative process in which professionals and the client develop a written document that identifies important treatment goals; describes measurable, time-sensitive action steps toward achieving those goals; expected outcomes; and reflects a signed agreement between a counselor and client.
3. Provide client, family, and community education which is the process of providing clients, families, significant others, and community groups with information on risks related to psychoactive substance use, as well as available prevention, treatment, and recovery resources.
4. Uphold professional standards and ethical responsibilities which are the obligations of an addiction counselor to adhere to ethical and professional standards, conduct, and professional development.

Required Courses

Electives (Select 6 units from the following).......

Category I - 3 units required
C-ID HIST 130

Category II - 3 units required

Category III - 3 units required

HUSEV 20 Introduction to Chemical Dependency Studies

PSYCH 1A General Psychology

HUSEV 21 Introduction to Psychopharmacology

HUSEV 22 Introduction to Development/Progression of Addictive Patterns of Behavior

HUSEV 23 Basic Law/Ethics for Chem. Dep. Courses

HUSEV 24 Case Management/Psychopathology

HUSEV 25 Basic Chemical Dependency Counseling

HUSEV 20A and 20B Supervised Field Work Practicum

HUSEV 30 Field Work Practicum

HUSEV 31 Family Treatment Approaches

HUSEV 32 Relationship Addiction/Co-dependency

HUSEV 33 Self-Awareness: Key to Non-Addiction Behavior

HUSEV 34 Gender Differences Related to Substance Abuse

HUSEV 35 Addiction and Domestic Violence

HUSEV 36 Chemical Dependency Prevention in Schools

HUSEV 37 Drug-Free Workplace: Employee Assist Programs

Human Services

CHEMICAL DEPENDENCY COUNSELOR (Certificate of Achievement)

Students who complete this program are able to:
1. Perform clinical evaluations which is the systematic approach to screening and assessment of individuals thought to have a substance use disorder; being considered for admission to addiction-related services, or presenting in a crisis situation.
2. Develop treatment plans which are a collaborative process in which professionals and the client develop a written document that identifies important treatment goals; describes measurable, time-sensitive action steps toward achieving those goals; expected outcomes; and reflects a signed agreement between a counselor and client.
3. Provide client, family, and community education which is the process of providing clients, families, significant others, and community groups with information on risks related to psychoactive substance use, as well as available prevention, treatment, and recovery resources.
4. Uphold professional standards and ethical responsibilities which are the obligations of an addiction counselor to adhere to ethical and professional standards, conduct, and professional development.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit Hours</th>
<th>Transferable to CSU</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUSEV 10</td>
<td>Introduction to Human Services</td>
<td>3</td>
<td>54</td>
<td>Yes</td>
<td>Survey of human services and social work: an exploration of helping skills as applied to such human problems as poverty, parenting, education, substance abuse, illness, and mental health. (L)</td>
</tr>
<tr>
<td>HUSEV 11</td>
<td>Understanding Diverse Racial &amp; Ethnic Cultures</td>
<td>3</td>
<td>54</td>
<td>Yes</td>
<td>An understanding of human dynamics and differences between people of diverse racial, ethnic and gender backgrounds will be discussed. Designed to generate sensitivity and appreciation of differences, eliminate barriers that get in the way of working with diverse populations and create a healthier and safer environment. (L)</td>
</tr>
<tr>
<td>HUSEV 20</td>
<td>Introduction to Chemical Dependency Studies</td>
<td>3</td>
<td>54</td>
<td>Yes</td>
<td>Overview of major topics in the study of drug abuse and dependency, i.e. history, drugs of abuse, models of prevention, addiction and treatment, and local and national policy. (L)</td>
</tr>
<tr>
<td>HUSEV 21</td>
<td>Introduction to Physiological and Psychological Effects of Drug Abuse</td>
<td>3</td>
<td>54</td>
<td>Yes</td>
<td>An introduction and overview focused on drug action and disposition of the major drugs of abuse; ethanol, marijuana, cocaine, amphetamines, PCP, LSD, and designer drugs. Drug testing and the National Institute of Drug Abuse guidelines will be discussed. (L)</td>
</tr>
<tr>
<td>HUSEV 22</td>
<td>Introduction to The Development/Progression of Addictive Patterns of Behavior</td>
<td>3</td>
<td>54</td>
<td>Yes</td>
<td>Introduction to the causes and development of addiction and co-dependency. Exploration of the process of denial, use of defense mechanisms, and the influences on the family. (L)</td>
</tr>
<tr>
<td>HUSEV 23</td>
<td>Legal/Ethical Aspects of Human Services</td>
<td>3</td>
<td>54</td>
<td>Yes</td>
<td>Introduction to the legal/ethical responsibilities of human services workers and Chemical Dependency Counselors, with emphasis on confidentiality and the legal concept of privilege. All federal/state laws regarding the counselor/client relationship, client's rights, child abuse reporting, etc., will be discussed. Emphasis is on the obligation of the counselors to the clients, their families, and society. (L)</td>
</tr>
<tr>
<td>HUSEV 24</td>
<td>Introduction to Case Management</td>
<td>3</td>
<td>54</td>
<td>Yes</td>
<td>Focus on the mental health problems which affect substance abuse. Focus on the techniques of interviewing, case conceptualization, treatment planning, case management, and relapse control in chemical dependency counseling. Familiarization with DSM IV-R and system of diagnosis approved by the American Psychiatric Association including differential diagnosis, prognosis, and associated features. Not open for credit to students with credit in HUSEV 54. (L)</td>
</tr>
<tr>
<td>HUSEV 25</td>
<td>Basic Chemical Dependency Counseling</td>
<td>3</td>
<td>54</td>
<td>Yes</td>
<td>Broad overview of the counseling methods used in treating chemical dependency. An introduction to counseling theories and specific techniques used in the treatment; i.e., psycho-dynamic, behavioral, cognitive-behavioral, multi-modal, client centered, couples and family counseling. Case histories and specific theories will be analyzed. Not open for credit to students with credit in HUSEV 55. (L)</td>
</tr>
<tr>
<td>HUSEV 26A</td>
<td>Supervised Field Work Practicum</td>
<td>2</td>
<td>18</td>
<td>Yes</td>
<td>Field work placement in a human service agency. Orientation to the placement agency, including professional behavior and appearance, mock interviews, and observation of professionals in the field. Understanding the fieldwork recording and reporting requirements. Meets California Association of Alcoholism and Drug Abuse Counselors requirements. (L)</td>
</tr>
<tr>
<td>HUSEV 27</td>
<td>Adult Children of Alcoholics</td>
<td>1</td>
<td>18</td>
<td>Yes</td>
<td>Meets California Association of Alcoholism and Drug Abuse Counselors requirements. Not open for credit to students with credit in HUSEV 62. (L)</td>
</tr>
<tr>
<td>HUSEV 28</td>
<td>Relationship Addiction/Co-dependency</td>
<td>1</td>
<td>18</td>
<td>Yes</td>
<td>Identification of co-dependent behavior and the effects of these behaviors on relationships; assessment of healthy vs. unhealthy relationships on a continuum. Not open for credit to students with credit in HUSEV 62. (L)</td>
</tr>
<tr>
<td>HUSEV 29</td>
<td>Self Awareness: The Key to Non-Addictive Behavior</td>
<td>1</td>
<td>18</td>
<td>Yes</td>
<td>Emphasis on techniques to build a healthy relationship with oneself as fundamental for releasing addictive behavior patterns. Not open for credit to students with credit in HUSEV 63. Grades are P/NP. (L)</td>
</tr>
<tr>
<td>HUSEV 30</td>
<td>Addiction and Domestic Violence</td>
<td>1</td>
<td>18</td>
<td>Yes</td>
<td>An overview of factors contributing to and eliciting explosive behavior responses in adults and children where substance abuse occurs in the home. Not open for credit to students with credit in HUSEV 65. Grades are P/NP. (L)</td>
</tr>
</tbody>
</table>
Humanities

The study of making connections, a quest to understand “life in all of its manifestations.” Art, sculpture, architecture, myth, religion, music, philosophy, and literature all provide a mirror to reflect the characteristics of a culture, its values, themes, and visions. Each is part of the web of life, giving insight into the totality.

Humanities seeks to explore the vital creativity and instinct of artists who brought about new insights in emerging cultures, the creative geniuses that helped forge new ideas and modes of understanding, the creation and focus of religions that tapped the depths of the human spirit, philosophies and modes of thinking that shaped the consciousness of humankind, and the architecture that brought new ideas to form.

HUMAN 5 Art Appreciation 3 units
54 lecture hours
Transferable to CSU/UC
Introduction to art appreciation with an emphasis on basic 2D, 3D, and film mediums and their relationships to humanities. Historical and contemporary work with a multicultural focus will be emphasized. Not open for credit to students with credit in ART 5.

HUMAN 10 Introduction to Western Humanities 3 units
54 lecture hours
Transferable to CSU/UC
Learning the habit of making connections through thinking, feeling, sensing, and intuition, integration of the arts, architecture, music, philosophy, and history from pre-history through Renaissance.

HUMAN 11 Art, Literature and Music in Humanities 3 units
54 lecture hours
Transferable to CSU/UC
Art, literature, and music in the humanities from the Renaissance through the 20th Century.

HUMAN 20 Introduction to World Myth 3 units
54 lecture hours
Transferable to CSU/UC
Studies the role of women as visual artists in Europe and the Americas, focusing on the Twentieth Century. Not open for credit to students with credit in ART 3B. Grades are P/NP option.

HUMAN 31 Asian-American Humanities & Cultures 3 units
54 lecture hours
Transferable to CSU/UC
Survey of Asian-American cultures, including religions, traditions, and some highlights of history. Not open for credit to students with credit in ASIAN 31.

HUMAN 34 Introduction to Film 3 units
54 lecture hours
Transferable to CSU/UC
Study of film as art and its influence on society, including interpretation, criticism, and technical developments; students view and discuss full-length feature films. Not open to students with credit in ENGL 34 or THART 34.

Information Technology (see Business)

Internship

Cooperating with industry, the Internship program provides students with opportunities to apply classroom knowledge to real-world situations. This program combines the academic experience of classroom work with the applied experience of the workplace.

INTRN 45A First Semester Internship v.5-8 units
30-600 lab hours
Prerequisite: Must have local paid employment (75 hours per unit) or a volunteer position (60 hours per unit) related to the student’s major; student’s supervisor must agree to participate in the program, which entails communicating and meeting with college staff (Work Experience Mentor), assisting the student in writing and completing learning objectives, verifying the student’s hours, evaluating the student, and otherwise training/guiding the student.

INTRN 45B Second Semester Internship v.5-8 units
30-600 lab hours
Prerequisite: Satisfactory completion of CWEE 45A or CWEE 45B or INTRN 46 or INTRN 45A and must have local paid employment (75 hours per unit) or a volunteer position (60 hours per unit) related to the student’s major; student’s supervisor must agree to participate in the program, which entails communicating and meeting with college staff (Work Experience Mentor), assisting the student in writing and completing learning objectives, verifying the student’s hours, evaluating the student, and otherwise training/guiding the student.

INTRN 45C Third Semester Internship v.5-8 units
30-600 lab hours
Prerequisite: Satisfactory completion of INTRN 45C and must have local paid employment (75 hours per unit) or a volunteer position (60 hours per unit) related to the student’s major; student’s supervisor must agree to participate in the program, which entails communicating and meeting with college staff (Work Experience Mentor), assisting the student in writing and completing learning objectives, verifying the student’s hours, evaluating the student, and otherwise training/guiding the student.

INTRN 45D Fourth Semester Internship v.5-8 units
30-600 lab hours
Prerequisite: Satisfactory completion of INTRN 45D and must have local paid employment (75 hours per unit) or a volunteer position (60 hours per unit) related to the student’s major; student’s supervisor must agree to participate in the program, which entails communicating and meeting with college staff (Work Experience Mentor), assisting the student in writing and completing learning objectives, verifying the student’s hours, evaluating the student, and otherwise training/guiding the student.

Students enrolling in this class are not eligible for other Cooperative Work Experience Education (CWEE) or Internship (INTRN) classes during the same semester. Students may not exceed sixteen (16) units in the combination of CWEE and INTRN classes. Grades are P/NP only.

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Choose one course from the following fitness courses:

KINES 1.21 Aerobic Exercise ........... 1.5
KINES 1.22 Step Aerobics ............... 1.5
KINES 1.26 Body Toning ................ 1.5
KINES 1.27 Fitness Walking/Jogging .... 1.5
KINES 1.34 Boot Camp Fitness .......... 1.5
KINES 1.36 Yoga ......................... 1.5
KINES 1.37 Club Fitness ................. 1.5
KINES 1.57 Weight Training-Beginning ... 1.5
KINES 1.57B Weight Training-Intermediate ... 1.5
KINES 1.59 Weight Training-High Intensity .... 1.5
KINES 1.60 Low Impact Fitness .......... 1.5

Select one course from the following dance courses:

KINES 1.42 Dance Techniques-Beginning ... 1.5
KINES 1.43 American Style Swing and Latin Dance ... 1.5

Total units required for degree major ........................................... 21-24.5

KINESIOLOGY (Associate in Arts)

Students who complete this program should be able to:

1. Examine and evaluate physical activities and their relationship to wellness and fitness.
2. Demonstrate proficiency of skills needed in activities commonly included in human movement programs.
3. Analyze theoretical approaches and major concepts of health and nutrition.
4. Demonstrate knowledge and apply the fundamental rules and regulations of a variety of sports.

Required Courses Units

Choose one course from the following individual sport courses:

KINES 1.24 Bowling OR .................. 1.5
KINES 1.26 Body Toning ................ 1.5
KINES 1.27 Fitness Walking/Jogging .... 1.5
KINES 1.34 Boot Camp Fitness .......... 1.5
KINES 1.36 Yoga ......................... 1.5
KINES 1.37 Club Fitness ................. 1.5
KINES 1.57 Weight Training-Beginning ... 1.5
KINES 1.57B Weight Training-Intermediate ... 1.5
KINES 1.59 Weight Training-High Intensity .... 1.5
KINES 1.60 Low Impact Fitness .......... 1.5

Total units required for degree major ........................................... 21-24.5

Students earning an AA-T degree must complete 60 semester units of coursework eligible for transfer to the CSU including the CSU GE-B or IGETC (CSU version), all courses in the major with “C” or better grades, and achieve a minimum transferable cumulative GPA of 2.0.

4. Demonstrate knowledge and apply the fundamental rules and regulations of a variety of sports.
KINES 1.34 Boot Camp Fitness 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Designated to provide the student with a physically intense and challenging fitness class. Training exercise utilized will include jumping, interval training, obstacle course and a variety of calisthenics designed to enhance muscular strength and endurance. In addition, students will be challenged to understand and apply fitness training principles. The students will train individually, with a partner and/or in a team setting.

KINES 1.36 Yoga 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
The history of yoga and development of basic Yoga postures, breathing practices, stretching, and relaxation techniques as a method to improve flexibility, decrease stress and improve physical and mental well-being. Grades are P/NP option.

KINES 1.37 Club Fitness 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Individualized introductory exercises using treadmills, stationary bikes, rowing machines, and step machines for developing fitness levels. Physical fitness assessment and analysis is performed. Development of individualized fitness and wellness programs. Grades are P/NP option.

KINES 1.41 Self Defense 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU - UC Unit Limit
Methods of striking, throwing, and defense against specified attacks. Avoiding dangerous situations at home and in one’s vehicle. Defensive and offensive techniques selected from the martial arts. Grades are P/NP option.

KINES 1.42 Dance Techniques-Beginning 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Introduction to individual techniques of various dance styles: waltz, foxtrot, jitterbug, rhumba, cha-cha, polka, country swing, and two-step. Grades are P/NP option.

KINES 1.43 American Style Swing and Latin Dance 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Introduction to the four most popular ballroom dancing: East Coast Swing, West Coast Swing, Hustle, and either Jive or Lindy, and four of the most popular Latin dances: Cha Cha, Salsa, Samba, and Tango. Grades are P/NP option.

KINES 1.57 Weight Training-Beginning 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Individualized weight training program designed to improve student strength and endurance. Emphasis is on lifetime fitness including principles of nutrition, fitness and safety. Grades are P/NP option.

KINES 1.58B Weight Training-Intermediate 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Individual weight conditioning for intermediate level students. Emphasis will be on learning proper use of machines, free weights, cables and stretching routines. Instruction on form, technique, safety, and muscle development. Participation will increase muscle size, strength, and endurance. Grades are P/NP option.

KINES 1.59 Weight Training-High Intensity 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
High intensity training involving lifting weight weights at higher speeds. Circuit training using several machines, or stations, and lighter weights will be typical workouts. Weight training methods and circuit training will be combined to improve aerobic fitness and muscular endurance. Basic nutrition and fitness principles will be covered. Grades are P/NP option.

KINES 1.71 Basketball 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
This is an introductory course to the game of basketball. This course is designed to introduce basic basketball techniques, skills and rules. Emphasis will be placed on fundamentals, etiquette and strategies, as well as an appreciation for a lifetime activity. Grades are P/NP option.

KINES 1.75 Soccer 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Advanced techniques of soccer including skills and conditioning used to prepare for competitive play.

KINES 1.76 Advanced Soccer 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Advanced techniques of soccer including skills and conditioning used to prepare for competitive play.

KINES 1.77 Volleyball-Beginning 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Fundamental skills and techniques for beginning volleyball play including: history, rules of play, officiating, and beginning level offensive and defensive strategies. Grades are P/NP option.

KINES 1.78 Grass Doubles Volleyball 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Fundamental skills and techniques for outdoor grass doubles volleyball, including history, rules of play, officiating, and offensive and defensive strategies. Grades are P/NP option.

KINES 1.79 Volleyball-Intermediate 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Fundamental skills and techniques for intermediate volleyball, including history, the rules of play, officiating, and offensive and defensive strategies. Grades are P/NP option.

KINES 1.84P Athletic Director's Class 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
This course is an introduction to the game of basketball. This course is designed to introduce basic basketball techniques, skills and rules. Emphasis will be placed on fundamentals, etiquette and strategies, as well as an appreciation for a lifetime activity. Grades are P/NP option.

KINES 1.89 Volleyball-Beginning 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
This course is designed as an introduction to progressive resistance weight training for students with disabilities. Students will engage in an individualized program of exercise that promotes knowledge of fitness principles and basic anatomy, the development of cardiovascular respiratory and muscle endurance, muscle strength and flexibility, and a healthy body composition. Students with disabilities will be required to show proof of disability from a physician. Emphasis will be placed on teaching fundamental, technique, conditioning, and safety. Grades are P/NP option.

KINES 1.90 Adapted Weight Training and Fitness 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
This course is designed as an introduction to progressive resistance weight training for students with disabilities. Students will engage in an individualized program of exercise that promotes knowledge of fitness principles and basic anatomy, the development of cardiovascular respiratory and muscle endurance, muscle strength and flexibility, and a healthy body composition. Students with disabilities will be required to show proof of disability from a physician. Emphasis will be placed on teaching fundamental, technique, conditioning, and safety. Grades are P/NP option.

KINES 1.91 Adapted Weight Training and Recreational Activities 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Adapted strength training techniques and methods to improve overall muscular endurance and fitness. Additionally specific modified activities, games and sports will be experienced by the student to enhance their participation in life-long activities designed to improve self-esteem, social interaction and fitness. Activities include but are not limited to bocci ball, volleyball, frisbee games, pickle ball, horseshoes and basketball. Principles of fitness and nutrition. Students with disabilities will be required to show proof of disability from a physician. Grades are P/NP option.

KINES 2.10 Adapted Yoga and Cardio Fitness 1.5 units
13.5 lecture hours, 40.5 lab hours
Transferable to CSU/UC - UC Unit Limit
Adapted Yoga and Cardio Fitness methods and techniques modified to individual needs and disabilities. Skills and techniques utilized to improve concentration, flexibility, core stabilization and cardiovascular fitness. Principles of fitness and nutrition. Students with disabilities will be required to show proof of disability from a physician. Grades are P/NP option.

KINES 20 Introduction to Kinesiology 3 units
54 lecture hours
Transferable to CSU/UC
C-ID KIN 150
This course provides an introduction to the interdisciplinary approach to the study of human movement. It provides an orientation to various educational pathways, requirements, and career opportunities in kinesiology in the areas of teaching, coaching, allied health, and fitness professions. Basic concepts of the kinesiology discipline and the importance of the sub-disciplines are discussed. Letter grade only.

KINES 21A Analysis of Softball: Offense 2 units
96 lecture hours
Transferable to CSU/UC - UC Unit Limit
Study and analysis of various phases of softball offense, including philosophy, mental approach, hitting, and base running.

KINES 21B Analysis of Softball: Defense 2 units
96 lecture hours
Transferable to CSU/UC - UC Unit Limit
Analysis and study of the various phases of softball defense, including philosophy, fielding, pitching, mental approach, catching, and positions.

KINES 22 Analysis of Basketball 2 units
96 lecture hours
Transferable to CSU/UC - UC Unit Limit
Study and analysis of various phases of basketball, including strategies and techniques utilized in passing, dribbling, footwork along with the application of scouting to competitive play.

KINES 22A Analysis of Soccer 2 units
96 lecture hours
Transferable to CSU/UC - UC Unit Limit
Study and analysis of various phases of soccer, including philosophy, mental approach, hitting, and base running.
KINES 24   Analysis of Football     2 units
Transferable to CSU/UC - UC Unit Limit
Study and analysis of offensive and defensive football, including theory and strategies. Current techniques of passing, kicking, blocking, and tackling along with practical application of scouting.
KINES 28   Analysis of Soccer     2 units
Transferable to CSU/UC - UC Unit Limit
Study and analysis of various phases of soccer, including laws, fundamentals, offensive and defensive strategy, and different soccer styles.
KINES 29A   Analysis of Baseball: Offense     2 units
Transferable to CSU/UC - UC Unit Limit
Study and analysis of various phases of baseball offense, including fundamental skills of hitting and base running, and analysis of offensive statistics.
KINES 29B   Analysis of Baseball: Defense     2 units
Transferable to CSU/UC - UC Unit Limit
Study and analysis of various phases of baseball defense, including fundamental skills of fielding, pitching and positioning, and analysis of defensive statistics.

AEROBICS:
Family of Classes
(No more than four classes can be attempted within each family of classes listed below. See page 51 for details.)
KINES 22—Step Aerobics
KINES 1.27—Fitness Walking/Jogging

BASKETBALL:
Family of Classes
(No more than four classes can be attempted within each family of classes listed below. See page 51 for details.)
KINES 1.71—Basketball

BODY TONING:
Family of Classes
(No more than four classes can be attempted within each family of classes listed below. See page 51 for details.)
KINES 1.26—Body Toning
KINES 1.34—Boot Camp Fitness
KINES 1.37—Club Fitness

BOWLING:
Family of Classes
(No more than four classes can be attempted within each family of classes listed below. See page 51 for details.)
KINES 1.24—Bowling

CONDITIONING:
Family of Classes
(No more than four classes can be attempted within each family of classes listed below. See page 51 for details.)
KINES 3—Adapted Physical Education Gen Cond

DANCE:
Family of Classes
(No more than four classes can be attempted within each family of classes listed below. See page 51 for details.)
KINES 1.42—Dance Techniques-Beginning
KINES 1.43—American Style Swing and Latin Dance

GOLF:
Family of Classes
(No more than four classes can be attempted within each family of classes listed below. See page 51 for details.)
KINES 1.31—Golf-Beginning
KINES 1.33—Golf-Advanced

RACQUET SPORT:
Family of Classes
(No more than four classes can be attempted within each family of classes listed below. See page 51 for details.)
KINES 1.25—Badminton

SOCCER:
Family of Classes
(No more than four classes can be attempted within each family of classes listed below. See page 51 for details.)
KINES 1.21—Aerobic Exercise
KINES 1.22—Step Aerobics
KINES 1.27—Fitness Walking/Jogging

SPORTS ANALYSIS:
Family of Classes
(No more than four classes can be attempted within each family of classes listed below. See page 51 for details.)
KINES 21A—Analysis of Softball: Offense
KINES 21B—Analysis of Softball: Defense
KINES 22—Analysis of Basketball
KINES 24—Analysis of Football
KINES 28—Analysis of Soccer
KINES 29A—Analysis of Baseball: Offense
KINES 29B—Analysis of Baseball: Defense

VOLLEYBALL:
Family of Classes
(No more than four classes can be attempted within each family of classes listed below. See page 51 for details.)
KINES 1.77—Volleyball-Beginning
KINES 1.78—Grass Doubles Volleyball
KINES 1.79—Volleyball-Intermediate

WEIGHT TRAINING:
Family of Classes
(No more than four classes can be attempted within each family of classes listed below. See page 51 for details.)
KINES 1.57—Weight Training-Beginning
KINES 1.57A—Weight Training-Moderate
KINES 1.57B—Weight Training-Intermediate
KINES 1.57C—Weight Training-Advanced

YOGA:
Family of Classes
(No more than four classes can be attempted within each family of classes listed below. See page 51 for details.)
KINES 1.36—Yoga
KINES 10—Adapted Yoga and Cardio Fitness

2020-2021 Catalog

Programs and Courses

LEARN 118 Workforce Reading and Writing Skills 3 units
36 lecture hours, 54 lab hours
Designed for students with disabilities, learning differences, and/or a history of difficulty developing reading/writing skills. Review of basic skills in written language in preparation for entering the workforce. Emphasis on building competency in reading comprehension and writing proficiency typically needed for success in vocational and/or entry level employment. May incorporate use of assistive computer technology. Recommendation: Basic reading/writing skills, familiarity with computers, and readiness for college participation. Grades are P/NP only.

LEARN 120A Beginning Basic Studies 3 units
36 lecture hours, 54 lab hours
General review of beginning concepts of reading, writing and math. Grades are P/NP.

LEARN 120B Intermediate Basic Studies 3 units
36 lecture hours, 54 lab hours
General review of intermediate concepts of basic reading, writing and math. Build on skills learned in 120A. Grades are P/NP.

LEARN 120C Advanced Basic Studies 3 units
36 lecture hours, 54 lab hours
General review of basic concepts of reading, writing and math based on skills learned in 120 A and B. Grades are P/NP.

LEARN 122 Basic Studies 1 unit
18 lecture hours, 9 lab hours
Other Conditions: Course 100 or above
Reviews basic concepts in arithmetic, grammar, and reading, as well as strategies for preparing for the GED exam. Not open open to credits with students with credit in LEARN 120. Grades are P/NP.

LEARN 125 Spelling Improvement 1 unit
18 lecture hours
Designed for student with learning difficulties that impact reading/writing tasks. Small group learning and individual help to correct spelling difficulties and develop a plan for improvement. Instruction in phonemic awareness, word parts, spelling rules and strategies for memory.

LEARN 155 Beginning Assistive Technology Computer Technology 2 units
18 lecture hours, 54 lab hours
Designed for students with disabilities who have limited computer experience. Focus is on use of keyboard/mouse, personal data storage, basic MS Word, use of MyCampus Portal and Canvas, internet use, educational websites, and software for independent learning. Incorporates an overview of currently available assistive computer technology used to meet the educational needs of students with physical, learning, and cognitive impairments. Grades are P/NP.

LEARN 156 Intermediate Assistive Computer Technology 2 units
18 lecture hours, 54 lab hours
Designed for students with disabilities in need of assistive computer technology to ensure equal access to college materials and improved efficiency on academic tasks. Prepares student for independent use of current technologies available in college computer labs, modern work environments, and personally adapted home computer systems. Recommendation in reading/writing skills and familiarity with computers. Grades are P/NP only.

LEARN 172 Real Life Math 1 unit
3 lecture hours, 45 lab hours
Developmental sequence of increasing difficulty in mathematical computations as they apply to real life situations focusing on addition, subtraction, division, fractions, percentages, and decimals. Grades are P/NP.

LEARN 174 Basic Math Facts and Operations 3 units
36 lecture hours, 54 lab hours
Mastery of basic mathematical facts of addition, subtraction, multiplication, and division; basic operations with whole numbers; and addition and subtraction of like fractions. Grades are P/NP only.

LEARN 175 Workforce Mathematics 3 units
36 lecture hours, 54 lab hours
Designed for students with learning difficulties and a history of difficulty in mathematics. Review of basic math skills in preparation for the workforce and/or career technical education. Emphasis on math calculations and situational word problems encountered in vocational employment. Recommendation: Basic reading/writing skills, familiarity with computers, and a readiness for college participation. Grades are P/NP only.

LEARN 180 Reading and Writing Development 3 units
54 lecture hours
Designed especially for students with disabilities and others who have difficulty learning by traditional methods. Introductory course in basic reading/writing development in preparation for subsequent coursework requiring academic language arts skills. Emphasis on exploring current perception as a reader, utilizing strategies for improved reading comprehension, understanding sentence/paragraph structure, building skills in mechanics of writing, and expanding vocabulary. This class will incorporate the use of educational technology to accelerate learning and as a tool for raising efficiency and accuracy. Includes hands-on activities, computer experience. Focus is on use of keyboard/mouse, personal data storage, basic MS Word, use of MyCampus Portal and Canvas, internet use, educational websites, and software for independent learning. Recommendation in reading/writing skills, familiarity with computers, and readiness for college participation.

LEARN 215 Academic Evaluation 1 unit
18 lecture hours
Designed for students who wish to better understand their individual spectrum of learning aptitudes including current achievement levels. Eligibility for academic accommodations may be considered based on testing information using step-by-step guidelines mandated by the California Community College system. Grades are P/NP only.

LEARN 251C Advanced Basic Studies 3 units
36 lecture hours, 54 lab hours
General review of basic concepts of reading, writing and math based on skills learned in 120 B. Grades are P/NP.

LEARN 252 Computer Technology 2 units
18 lecture hours, 54 lab hours
Designed for students with disabilities who have limited computer experience. Focus is on use of keyboard/mouse, personal data storage, basic MS Word, use of MyCampus Portal and Canvas, internet use, educational websites, and software for independent learning. Incorporates an overview of currently available assistive computer technology used to meet the educational needs of students with physical, learning, and cognitive impairments. Grades are P/NP.

LEARN 256 Introductory Machine Shop 2 units
18 lecture hours, 54 lab hours
Designed for students with disabilities who have limited computer experience. Focus is on use of keyboard/mouse, personal data storage, basic MS Word, use of MyCampus Portal and Canvas, internet use, educational websites, and software for independent learning. Incorporates an overview of currently available assistive computer technology used to meet the educational needs of students with physical, learning, and cognitive impairments. Grades are P/NP.

LEARN 257 Manufacturing Technology 2 units
18 lecture hours, 54 lab hours
Designed for students with disabilities who have limited computer experience. Focus is on use of keyboard/mouse, personal data storage, basic MS Word, use of MyCampus Portal and Canvas, internet use, educational websites, and software for independent learning. Incorporates an overview of currently available assistive computer technology used to meet the educational needs of students with physical, learning, and cognitive impairments. Grades are P/NP.

Manufacturing Technology

Manufacturing Technology is a comprehensive program of instruction designed to develop knowledge of scientific principle, mathematical concepts, and technical skills. It includes laboratory experiences found in machining, welding, and related technologies. These experiences will enable the student to enter industry with problem-solving skills in design, production planning, materials handling, quality control, inspection, and programming with computer-aided controls. The student, upon the successful completion of the program, will have a job-entry skill.

MANUFACTURING TECHNOLOGY/ MACHINING

(Associate in Science)

Students who complete this program should be able to:
1. Demonstrate knowledge of proper work habits and safety practices in an industrial environment
2. Demonstrate skill in the use of manual machine tools including: lathes, mills, drilling machines, grinding machines, and inspection tools.
3. Demonstrate skill of Advanced Manufacturing tools such as: Computer aided Design, Computer aided Manufacturing, CNC Milling Centers, CNC Turning Centers, inspection and inspection tools.
4. Demonstrate knowledge of interpreting shop drawings and prints

Required Courses

<table>
<thead>
<tr>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>DRAFT 20 Blueprint and Specifications Reading</td>
</tr>
<tr>
<td>MFGT 20 Principles of Machine Shop</td>
</tr>
<tr>
<td>MFGT 21 Intermediate Machine Shop</td>
</tr>
<tr>
<td>DRAFT 30 Technical Drawings with AutoCAD</td>
</tr>
<tr>
<td>MFGT 34 Computer Numerical Control</td>
</tr>
<tr>
<td>MFGT 35 Computer Aided Manufacturing</td>
</tr>
<tr>
<td>MFGT 60 Problems in Manufacturing Technology</td>
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<tr>
<td>Plus Additional units from the following:</td>
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<tr>
<td>WELD 10 Introduction To Welded Metal Arc Welding (SMAW)</td>
</tr>
<tr>
<td>WELD 20 Production To Gas Metal Arc Welding (GMAW)</td>
</tr>
<tr>
<td>WELD 83 GMAW/GTAW Production Welding</td>
</tr>
<tr>
<td>AUTO 323 Hydraulics (Power)</td>
</tr>
<tr>
<td>WELD 85 Structural Design and Fabrication</td>
</tr>
<tr>
<td>Total units required for degree major</td>
</tr>
</tbody>
</table>

Students earning an AAS degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the health requirement. In addition to the program units listed here, Students must complete at least 60 degree applicable units to earn an AAS. Please see your counselor for additional information.

MANAGEMENT AND SUPERVISION (see Business)

LIBSC 1 Basic Research Skills 1 unit
18 lecture hours
Transferable to CSU/UC
This course will help students acquire beginning information literacy skills necessary to conduct academic or personal research. It provides a step-by-step guide to the research process that is applicable to term papers, course work, and life-long learning. It emphasizes developing effective search strategies, using information tools, locating and retrieving information sources, analyzing and critically evaluating information, and using information. Grades are P/NP only (L)

Library Science

C.L. M Advisories: Computer Literacy: recommended basic computer skills.
Language: recommended eligibility for English I.A. Mathematics: recommended eligibility for Math I.A.
## Programs and Courses

### Manufacturing Technology/ Machining

#### (Certificate of Achievement)

Students who complete this program should be able to:

1. Demonstrate knowledge of proper working habits and safety practices in an industrial environment.
2. Demonstrate skill in the use of manual machine tools.
3. Demonstrate utilization of Advanced Manufacturing tools.
4. Demonstrate knowledge of integrating shop drawings and prints.

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>MFGT 20</td>
<td>Principles of Machine Shop</td>
<td>3</td>
<td>36</td>
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<tr>
<td>MFGT 21</td>
<td>Intermediate Machine Shop</td>
<td>4</td>
<td>54</td>
</tr>
<tr>
<td>MFGT 34</td>
<td>Computer Numerical Control</td>
<td>4</td>
<td>54</td>
</tr>
<tr>
<td>MFGT 40</td>
<td>Problems in Manufacturing Technology</td>
<td>3</td>
<td>36</td>
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<tr>
<td>DRAFT 30</td>
<td>Technical Drawing with CAD</td>
<td>3</td>
<td>36</td>
</tr>
<tr>
<td>AUTO 22</td>
<td>Hydraulics (Fluid Power)</td>
<td>3</td>
<td>36</td>
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<tr>
<td>MFGT 35</td>
<td>Computer Aided Manufacturing</td>
<td>3</td>
<td>36</td>
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<tr>
<td>MFGT 55</td>
<td>Principles of Material Science</td>
<td>4</td>
<td>54</td>
</tr>
</tbody>
</table>

#### Total units required: 27

Transferable to CSU

### Manufacturing Technology

#### (Certificate of Achievement)

Students who complete this program should be able to:

1. Demonstrate knowledge of interpreting shop drawings and prints.
2. Demonstrate the ability to recognize the power of persuasion and ethical responsibilities of communicators in communication at all levels.
3. Demonstrate the ability to observe events, gather information, write news reports and news releases, report on events, and edit other people’s writings.
4. Demonstrate the ability to understand the media critically and recognize how media shapes and are shaped by politics, society, culture, economics, and daily life.

#### Required Courses

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<td>Introduction to Mass Communication</td>
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<td>Electronic Movie Making</td>
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<td>Sound Recording and Production</td>
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<td>Introduction to Media Writing</td>
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<td>MCOMM 19</td>
<td>News Writing and Reporting</td>
<td>3</td>
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<tr>
<td>MCOMM 14</td>
<td>Advanced Studio Video Production</td>
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<tr>
<td>MCOMM 20L</td>
<td>Newspaper Production</td>
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<td>Field Video Production</td>
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<tr>
<td>MCOMM 17</td>
<td>Television Remote Production</td>
<td>3</td>
<td>36</td>
</tr>
</tbody>
</table>

#### Total units required for degree major: 36

### Mass Communications

#### (Associate in Arts)

Students who complete this program should be able to:

1. Demonstrate effective speaking, writing, and listening skills for communication in personal, public, and media areas.
2. Demonstrate the ability to observe events, gather information, write news reports and news releases, report on events, and edit other people’s writings.
3. Demonstrate the ability to understand the media critically and recognize how media shapes and are shaped by politics, society, culture, economics, and daily life.
4. Demonstrate the ability to recognize the power of persuasion and ethical responsibilities of communicators in communication at all levels.

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#### Total units required for degree major: 36

### Manufacturing Technology

#### (Certificate of Achievement)

Students who complete this program should be able to:

1. Demonstrate effective speaking, writing, and listening skills for communication in personal, public, and media areas.
2. Demonstrate the ability to observe events, gather information, write news reports and news releases, report on events, and edit other people’s writings.
3. Demonstrate the ability to understand the media critically and recognize how media shapes and are shaped by politics, society, culture, economics, and daily life.
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#### Total units required for degree major: 36

### Mass Communications

#### (Certificate of Achievement)

Students who complete this program should be able to:

1. Demonstrate effective speaking, writing, and listening skills for communication in personal, public, and media areas.
2. Demonstrate the ability to observe events, gather information, write news reports and news releases, report on events, and edit other people’s writings.
3. Demonstrate the ability to understand the media critically and recognize how media shapes and are shaped by politics, society, culture, economics, and daily life.
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#### Total units required for degree major: 36

### Manufacturing Technology

#### (Certificate of Achievement)

Students who complete this program should be able to:

1. Demonstrate effective speaking, writing, and listening skills for communication in personal, public, and media areas.
2. Demonstrate the ability to observe events, gather information, write news reports and news releases, report on events, and edit other people’s writings.
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#### Total units required for degree major: 36

### Mass Communications

#### (Certificate of Achievement)

Students who complete this program should be able to:

1. Demonstrate effective speaking, writing, and listening skills for communication in personal, public, and media areas.
2. Demonstrate the ability to observe events, gather information, write news reports and news releases, report on events, and edit other people’s writings.
3. Demonstrate the ability to understand the media critically and recognize how media shapes and are shaped by politics, society, culture, economics, and daily life.
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<td>MCOMM 17</td>
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</table>

#### Total units required for degree major: 36
MCOMM 5  Beginning Motion Picture Production  3 units
36 lecture hours, 54 lab hours
Transferable to CSU/UC
This course provides an introduction to the theory, terminology, and process of motion picture production for film and television. Topics include basic cinematography including the operation, function and creative uses of production and post-production equipment, scriptwriting, camera operation, shot composition, lighting, sound recording and mixing, and editing. (L,C)

MCOMM 6  Beginning Audio Production  3 units
36 lecture hours, 54 lab hours
Transferable to CSU
This course serves as an introduction to the theory and practice of audio production for radio, television, film and digital recording applications. Students will learn the fundamentals of sound design and aesthetics, microphone use, and digital recording equipment. Students gain hands on experience recording, editing, mixing and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software. (L,C)

MCOMM 8  Introduction to Media Writing  3 units
54 lecture hours
Transferable to CSU
Basic introductory course in writing for the film and electronic media. Emphasis on preparing scripts in proper formats, including fundamental technical, conceptual and stylistic issues related to writing fiction and non-fiction scripts for informational and entertainment purposes. Includes a writing evaluation component as a significant part of the course requirement. (L,C)

MCOMM 14  Advanced Studio Video Production  3 units
36 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: MCOMM 4
Transferable to CSU
Advanced technical operation and creative use of television studio equipment. Techniques of production, use of cameras, lighting, sound, titling, video recording, and video switching effects. (L)

MCOMM 15  Beginning Single Camera Production  3 units
36 lecture hours, 54 lab hours
Transferable to CSU
The course provides an introduction to the theory, terminology, and operation of single camera video production, including composition and editing techniques, camera operation, portable lighting, video recorder operation, audio control, and basic editing. This course focuses on the aesthetics and fundamentals of scripting, producing, directing, on location, post-production, and exhibition/distribution. (L,C)

MCOMM 17  Television Remote Production  3 units
36 lecture hours, 54 lab hours
Transferable to CSU
Advanced creative use of electronic field video production while using multiple cameras to produce live or archived television events, such as, sporting events, theatrical and musical productions, and entertainment or informational programs. Much of class time is devoted to “on location” production. (L)

MCOMM 19  News Writing and Reporting  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: ENGL 51
Transferable to CSU/UC
Recognizing, gathering, and writing the news in accepted journalistic style, learning to conduct personal interviews and cover speeches, meetings, and other events, understanding the legal and ethical issues related to reporting; emphasis on language and style, accuracy in news gathering, and research and organization of various types of stories. (L,C)

MCOMM 20A  News Media Production 1  3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: ENGL 51 or eligibility for ENGL 1A
Transferable to CSU
Weekly production of the Yuba College student online news source and quarterly production of the Yuba College student newspaper. Students will learn journalistic standards, media ethics, researching, reporting, writing, and copy editing for basic news stories, features, and opinion, as well as basic page layout and design for both print and online publications. (L,C)

MCOMM 20B  News Media Production 2  3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: MCOMM 20A or ENGL 20A
Transferable to CSU
Weekly production of the Yuba College student online news source and quarterly production of the Yuba College student newspaper. Students will learn journalistic standards, media ethics, researching, reporting, writing, and copy editing for specialized and in-depth news stories, features, and opinion; advanced page layout and design for both print and online publications, and editorial leadership. (L,C)

MCOMM 20C  News Media Production 3  3 units
27 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: MCOMM 20B or ENGL 20B
Transferable to CSU
Weekly production of the Yuba College student online news source and quarterly production of the Yuba College student newspaper. Students will learn journalistic standards, media ethics, researching, reporting, writing, and copy editing for investigative news stories, features, and related opinion; journalistic use of multimedia, and social media, and editorial leadership. (L,C)

MCOMM 40  Introduction to Online Learning  1 unit
18 lecture hours
Transferable to CSU
This course is designed to familiarize students with the online learning environment and prepare them to successfully complete an online course. Students will be introduced to the technology, the online environment, and managing an online course. Topics include hardware and software requirements, problem-solving online issues, using additional software to review or submit class assignments, effective online communication skills and strategies, online assessment tools, critical thinking in the online environment, ethical online behavior, and emerging learning technologies. Not open for credit to students with credit in EDUC 40. Grades are P/NP only.
## Programs and Courses

### Mathematics

**MATHEMATICS (Associate in Science)**

Students who complete this program should be able to:

1. Solve equations and inequalities
2. Perform operations on mathematical objects (e.g., numbers, expressions, functions, matrices)
3. Graph equations, functions, inequalities
4. Solve applied problems using mathematical or statistical methods
5. Prove identities and theorems
6. Apply definitions, notation and properties of mathematical concepts

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
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<td>5</td>
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<td>4</td>
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<tr>
<td>MATH 2A Second Year Calculus</td>
<td>4</td>
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<tr>
<td>MATH 3 Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 15 Concepts and Structures</td>
<td>3</td>
</tr>
<tr>
<td>MATH 22 Plane Geometry</td>
<td>3</td>
</tr>
</tbody>
</table>

Total units required for degree: 18-19

Students earning an AA/AS degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the math requirement, in addition to the program units listed here. Students must complete a total of 66 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

The Associate in Science in Mathematics for Transfer is designed for students who want to transfer into the CSU system to complete a bachelor’s degree in Mathematics or similar major.

**MATHEMATICS (Associate in Science for Transfer)**

Students who complete this program should be able to:

1. Solve equations and inequalities
2. Perform operations on mathematical objects (e.g., numbers, expressions, functions, matrices)
3. Graph equations, functions, inequalities
4. Solve applied problems using mathematical or statistical methods
5. Prove identities and theorems
6. Apply definitions, notation and properties of mathematical concepts

**Required Courses**

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<td>3</td>
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</tbody>
</table>

Total units required for degree: 18-19

Students earning an AA-TAS/T-Degree must complete 60 semester units of coursework eligible for transfer to the CSU including the CSU GE-B in IGETC (CSU version), all courses in the major with “C” or better grades, and achieve a minimum transferable cumulative GPA of 2.0.

**MATH 1A** Single Variable Calculus I -- 4 units

72 lecture hours

Prerequisite: Satisfactory completion of: MATH 20 and MATH 21 or score on the mathematics placement test.

Transferable to CSU/UC - UC Unit Limit

C-ID MATH 210

A first course in differential and integral calculus of single variable: functions; limits and continuity; techniques and applications of differentiation and integration; Fundamental Theorem of Calculus. Primarily for Science, Technology, Engineering, and Math Majors. Grades are P/NP option. (L)

**MATH 1B** Single Variable Calculus II -- Early Transcendentals

4 units

72 lecture hours

Prerequisite: Satisfactory completion of: MATH 1A

Transferable to CSU/UC

C-ID MATH 220

A second course in differential and integral calculus of a single variable: integration; techniques of integration; infinite sequences and series; polar and parametric equations; applications of integration. Primarily for science, technology, engineering & mathematics majors. (L,M)

**MATH 1C** Multivariable Calculus

4 units

72 lecture hours

Prerequisite: Satisfactory completion of: MATH 1B

Transferable to CSU/UC

C-ID MATH 230

Vector valued functions, calculus of functions of more than one variable, partial derivatives, multiple integration, Green’s theorem, Stokes theorem, divergence theorem. (L,M)

**MATH 2** Ordinary Differential Equations

3 units

54 lecture hours

Prerequisite: Satisfactory completion of: MATH 1B

Transferable to CSU/UC

C-ID MATH 240

The course is an introduction to ordinary differential equations, including both qualitative and quantitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solution(s) exist, and techniques for obtaining solutions, including, series solutions, Laplace transforms and linear systems. (L,M)

**MATH 3** Linear Algebra

3 units

54 lecture hours

Prerequisite: Satisfactory completion of: MATH 1B

Transferable to CSU/UC

C-ID MATH 250

This course develops the techniques and theory needed to solve and classify systems of linear equations. Solution techniques include row operations, Gaussian elimination, and matrix algebra. Investigates the properties of vectors in two and three dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as inner products, norms, orthogonality, eigenvalues, eigenspaces, and linear transformations. Selected applications of linear algebra are included. (L,M)

**MATH 9** Calculus for Business, Social and Life Science

4 units

72 lecture hours

Prerequisite: Satisfactory completion of: MATH 52 or MATH 52B or a satisfactory score on the mathematics placement test.

Transferable to CSU/UC - UC Unit Limit

C-ID MATH 140

Topics of calculus including differentiation, integration, graphs, limits, and rates. Applications from economics, business, life science, and behavioral science. Not open for credit to students with credit in MATH 1A. (L,M)

**MATH 10** Liberal Arts Mathematics

3 units

54 lecture hours

Prerequisite: Satisfactory completion of: MATH 52 or a satisfactory score on the mathematics placement test.

Transferable to CSU/UC

Designed for students majoring in areas other than science, math, or business to give appreciation and insight into structure and applications of math. Some typical topics, to be chosen by instructor, may include probability and statistics, sequences and series, population growth, graph theory, geometry and topology, number theory, history of math, finance math, voting methods and apportionment. (L,M)

**MATH 15** Concepts and Structures of Mathematics

3 units

54 lecture hours

Prerequisite: Satisfactory completion of: MATH 52 or MATH 52A and MATH 52B or satisfactory score on the mathematics placement test.

Transferable to CSU/UC - UC Unit Limit

C-ID MATH 120

This course focuses on the development of quantitative reasoning skills through in-depth, integrated explorations of topics in mathematics, including real number systems and subsystems. Emphasis is on comprehension and analysis of mathematical concepts and applications of logical reasoning. (L)

**MATH 16** Concepts and Structures of Mathematics

3 units

54 lecture hours

Prerequisite: Satisfactory completion of: MATH 51 and MATH 52

Transferable to CSU/UC - UC Unit Limit

Designed for students who plan to become elementary school teachers. Problem-solving, probability and statistics, measurement and the metric system, and geometry. Essays on topics of current interest to the teaching profession, class study of techniques and materials used in today’s elementary school classroom may also be included. (L,M)

2020-2021 Catalog
MATH 20  College Algebra  4 units
72 lecture hours
Prerequisite: Satisfactory completion of: MATH 52 or MATH 52B or a satisfactory score on the mathematics placement test. Transferable to CSU/UC
C-ID MATH 151
College level course in algebra for majors in science, technology, engineering, and mathematics. Topics include polynomial, rational, radical, exponential, absolute value, and logarithmic functions, systems of equations, theory of polynomial equations, and analytic geometry. (L,M)

MATH 21  Plane Trigonometry  4 units
72 lecture hours
Prerequisite: Satisfactory completion of: MATH 52 or MATH 52B or MATH 59 or placement based on multiple measures. Transferable to CSU/UC
C-ID MATH 851
The study of trigonometric functions, their inverses and their graphs, identities and proofs related to trigonometric expressions, trigonometric equations, solving right triangles, solving triangles using the Law of Cosines and the Law of Sines, polar coordinates, and introduction to vectors. (L,M)

MATH 25  Finite Mathematics  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: MATH 52 or MATH 52B or a satisfactory score on the mathematics placement test. Transferable to CSU/UC
C-ID MATH 130
Linear functions, systems of linear equations and inequalities, matrices, linear programming, mathematics of finance, sets and Venn diagrams, combinatorial techniques and an introduction to probability. Applications in business, economics and social sciences. (L,M)

MATH 51  Plane Geometry  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: MATH 50
Introductory plane geometry, the study of geometric relationships in the plane from inductive and deductive viewpoints. Satisfies the university admission requirements of high school plane geometry. (L)

MATH 52  Intermediate Algebra  4 units
72 lecture hours
Prerequisite: Satisfactory completion of: MATH 101 or MATH 101B or qualifying score on the mathematics placement test. To prepare students to take transfer-level mathematics or statistics courses. Topics include: real and complex numbers; factoring of polynomials; rational and radical expressions and equations; functions (general); linear, quadratic, exponential, and logarithmic functions and equations; graphs; distance, midpoint, and circles in the Cartesian plane; application problems. Grades are P/NP option. (L)

MATH 52A  Intermediate Algebra  First Half  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: MATH 101 or MATH 101B or qualifying score on the mathematics placement test. Together with Math 52B, this course prepares students to take transfer-level mathematics or statistics courses. Topics include: real and complex numbers; factoring of polynomials; rational and radical expressions and equations; linear and quadratic equations; application problems. Designed for a variety of students, especially those who are math anxious or require a slower-paced, year-long version of Math 52. Math 52A and 52B must both be completed successfully to be equivalent to Math 52 as a prerequisite or to meet degree requirements. Grades are P/NP option. (L)

MATH 52B  Intermediate Algebra  Second Half  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: MATH 52A Together with Math 52A, this course prepares students to take transfer-level mathematics or statistics courses. Topics include: functions (general); linear, quadratic, exponential, and logarithmic functions and equations; graphs; distance, midpoint, and circles in the Cartesian plane; application problems. Designed for a variety of students, especially those who are math anxious or require a slower-paced, year-long version of Math 52. Math 52A and 52B must both be completed successfully to be equivalent to Math 52 as a prerequisite or to meet degree requirements. Grades are P/NP option. (L)

MATH 55  History of Algebra  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: MATH 101 or MATH 101B or qualifying score on the mathematics placement test. A history of algebra from ancient times up to the 18th century. Introduction to a variety of number systems: the operations of addition, subtraction, multiplication, and division, and the finding of square roots and the square root of an irrational real, and complex numbers; Greek number theory; linear, quadratic, and cubic equations; and applications (including proportions, variation, compound interest, exponential growth and decay). Ideas and methods from different parts of the world and at different times are mainly presented in their historical context. This course satisfies the AA and AS degree requirement, but it does not satisfy the prerequisite for a transferable mathematics or statistics course. Grades are P/NP option. (L)

MATH 58  Mathematics for Everyday Living  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: MATH 101 or MATH 101B. Or by placement exam. Interpretation of and reasoning with quantitative information. Coverage of logic; units analysis; uses and abuses of percentages, ratios, and indices; financial management; and statistics. This course satisfies the AA and AS degree requirement but does not satisfy the prerequisite for a transferable math course. Grades are P/NP option. (L,M)

MATH 59  Foundations of Algebra  4 units
63 lecture hours; 27 lab hours
This course consists of elements of beginning and intermediate algebra necessary for long-term engagement in math-intensive fields. Topics include polynomial, rational, radical, exponential, and logarithmic expressions, equations, functions, graphs, modeling and applications; polynomial, rational, and radical inequalities; systems of equations and conic sections; algebra of functions; and complex numbers. Grades are P/NP option. (L)

MATH 101  Elementary Algebra  4 units
72 lecture hours
Prerequisite: Satisfactory completion of: MATH 111 or qualifying score on the mathematics placement test. To prepare students to take Intermediate Algebra. Topics include: real numbers; algebraic expressions; linear equations; basic facts from geometry, including perimeter, area, and the Pythagorean theorem; ratio, proportion, and percent; conversion of units of measure; application problems. Grades are P/NP option. (L)

MATH 101A  Elementary Algebra  First Half  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: MATH 111 or qualifying score on the mathematics placement test. Together with Math 101B, to prepare students to take Intermediate Algebra. Topics include: real numbers; algebraic expressions; linear equations and systems of linear equations (graphical); linear inequalities in one variable (simple); graphs and equations in lines in the Cartesian plane; introduction to functions and their graphs; absolute value function and equations; application problems. Grades are P/NP option. (L)

MATH 101B  Elementary Algebra  Second Half  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: MATH 111 or qualifying score on the mathematics placement test. Together with Math 101A, to prepare students to take Intermediate Algebra. Topics include: real numbers; algebraic expressions; linear equations and systems of linear equations (graphical); linear inequalities in one variable (simple); graphs and equations in lines in the Cartesian plane; introduction to functions and their graphs; absolute value function and equations; application problems. Designed for a variety of students, especially those who are math anxious or require a slower-paced, year-long version of Math 101. Math 101A and Math 101B must both be completed successfully to be equivalent to Math 101 as a prerequisite to meet degree requirements. Grades are P/NP option. (L)

MATH 111  Prealgebra  4 units
72 lecture hours
Prerequisite: Satisfactory completion of: MATH 101A, to prepare students to take Intermediate Algebra. Topics include: real numbers; algebraic expressions; systems of linear equations (algebraic); linear inequalities in one and two variables (compound, system); scientific notation; absolute value function and equations; application problems. Designed for a variety of students, especially those who are math anxious or require a slower-paced, year-long version of Math 101. Math 101A and 101B, if taken sequentially, can substitute for Math 101 as a prerequisite to meet degree requirements. Grades are P/NP option. (L)

METALWORKING-WELDING
(see Welding)
Programs and Courses

Music

Classes with "R" can be taken a total of four times but are subject to Family of Classes restrictions on page 174.

The Associate in Arts in Music for Transfer degree prepares students to transfer to a California State University to seek a Bachelor of Arts in General Music degree. Completion of this degree with a minimum GPA of 2.0 guarantees admission to the CSU System. Students must audition with an instrument of choice or voice to be admitted to the program to take the applied skills course. Students will need to audition to be accepted as a music major at CSU. Students intending to transfer to seek a Bachelor of Music or Bachelor of Music Education degree will need additional courses, and should select a major in Music.

MUSIC (Associate in Arts for Transfer)

Students who complete this program should be able to:
1. Analyze a short musical work by applying intermediate-level music theory.
2. Demonstrate basic musicianship skills in sight-reading, melodic, and harmonic dictation.
3. Publicly perform selected solo and ensemble repertoire, appropriate for college apprenticeships, in the major instrument or voice with technical facility and artistry.

Required Courses

Units

Core Requirements:
MUSIC 1A Elementary Harmony 3
MUSIC 1B Elementary Harmony 3
MUSIC 1C Elementary Theory Skills 1
MUSIC 1D Theory Skills 1
MUSIC 2A Advanced Harmony 3
MUSIC 2B Advanced Harmony 3
MUSIC 2C Advanced Theory Skills 1
MUSIC 2D Theory Skills 1

Select one from the following and take it for 4 semesters:
MUSIC 30AR Applied Skills: Woodwinds OR 3
MUSIC 30BR Applied Skills: Brass OR 1
MUSIC 30CR Applied Skills: Percussion OR 1
MUSIC 30DR Applied Skills: Strings OR 1
MUSIC 31AR Applied Skills: Guitar OR 1
MUSIC 31BR Applied Skills: Piano OR 1
MUSIC 32AR Applied Skills: Voice OR 1

Ensemble Requirements:
Basal, Percussion, and Woodwind majors shall select Symphonic or Jazz Band. Voice majors shall select choral ensembles. Composition major shall select a combination of instrumental and choral ensembles. Piano, Classical Guitar and String majors shall select appropriate ensembles after consultation with Music Department Faculty. Music majors at CSU are usually required to enroll in a major ensemble every semester of the 4-year program. In order to gain the similar level of experience, students are recommended to repeat the course as the credit units would allow, and continue to enroll in the 500-level noncredit equivalent courses after that for the total of 4 semesters.

MUSIC 28R Community Jazz Ensemble OR 3
MUSIC 30GR Applied Skills: Guitar OR 3
MUSIC 30DR Applied Skills: Percussion OR 3
MUSIC 34R Concert Choir OR 3
MUSIC 43R Symphonic Band OR 3
MUSIC 44R Instrumental Chamber Ensemble OR 3
MUSIC 54R Community Chorus 3

Total units required for degree major: 21-23

1. An analysis of primary elements of tonal music, including staff notation in treble and bass clefs, rhythm, and meter, basic properties of sound, intervals, diatonic scales and triads, and diatonic chords. Students will experience applying the skills learned to basic singing and keyboard playing. Suitable for both music majors and non-majors who have no previous experience in reading or playing music notation. Not open to students with credit in ECE 21.

MUSIC 1A Elementary Harmony 3
MUSIC 1B Elementary Harmony 3

MUSIC 1A Elementary Harmony 3 units
54 lecture hours
Transferable to CSU/UC
An introduction to the notation and primary elements of tonal music, including staff notation in treble and bass clefs, rhythm and meter, basic properties of sound, intervals, diatonic scales and triads, and diatonic chords. Students will experience applying the skills learned to basic singing and keyboard playing. Suitable for both music majors and non-majors who have no previous experience in reading or playing music notation. Not open to students with credit in ECE 21.

MUSIC 1A Elementary Harmony 3 units
54 lecture hours
Corequisite: Concurrent enrollment or satisfactory completion of MUSIC 1C
Transferable to CSU/UC
C-ID MUS 125
Review of music fundamentals through composition and analysis. Emphasis on principle traits: part-writing procedures and analysis, incorporating the following concepts: rhythm and meter; basic properties of sound; intervals; diatonic scales and triads; diatonic chords, basic cadential formulas and phrase structure; dominant seventh chords; figured bass symbols; and non-harmonic tones. Development of skills in handwritten notation is expected. Required of all music majors and minors. (L)

MUSIC 1B Elementary Harmony 3 units
54 lecture hours
Corequisite: Concurrent enrollment or satisfactory completion of MUSIC 1C
Transferable to CSU/UC
C-ID MUS 125
Continuation of MUSIC 1C. Exercises in applying theoretical concepts. Emphasis on ear-training; programmed exercises in rhythm reading; dictation of rhythmic, melodic, harmonic materials; sight-singing, analysis, and dictation. Required of all music majors and minors.

MUSIC 1C Advanced Harmony 3 units
9 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: MUSIC 1A
Corequisite: Concurrent enrollment or satisfactory completion of MUSIC 1D or MUSIC 2C or MUSIC 2D.
Transferable to CSU/UC
C-ID MUS 125
Continuation of MUSIC 1C. Exercises in applying theoretical concepts. Emphasis on ear-training; programmed exercises in rhythm reading, dictation of rhythmic, melodic, and harmonic elements of beginning theory. Emphasis on ear-training exercises in rhythmic reading and dictation, sight singing, analysis, and melodic dictation. Required of all music majors and minors.

MUSIC 1D Advanced Harmony 3 units
9 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: MUSIC 1C
Corequisite: Concurrent enrollment or satisfactory completion of MUSIC 1D or MUSIC 2C or MUSIC 2D.
Transferable to CSU/UC
C-ID MUS 125
Continuation of MUSIC 1C. Exercises in applying theoretical concepts. Emphasis on ear-training; programmed exercises in rhythm reading, dictation of rhythmic, melodic, and harmonic elements of beginning theory. Emphasis on ear-training exercises in rhythmic reading and dictation, sight singing, analysis, and melodic dictation. Required of all music majors and minors.

MUSIC 2A Advanced Harmony 3 units
9 lecture hours
Prerequisite: Satisfactory completion of: MUSIC 1A
Corequisite: Concurrent enrollment or satisfactory completion of MUSIC 1D or MUSIC 2C or MUSIC 2D.
Transferable to CSU/UC
C-ID MUS 125
Theoretical and practical techniques of chromatic harmony, continued from MUSIC 1A, studied through written exercises and analysis, including introduction to chromatic harmony, secondary chords, modulation, change of mode (borrowed chords), Neapolitan sixth and augmented sixth chords. Required of all music majors. (L)

MUSIC 2B Advanced Harmony 3 units
9 lecture hours
Prerequisite: Satisfactory completion of: MUSIC 2A
Corequisite: Concurrent enrollment or satisfactory completion of MUSIC 1D or MUSIC 2C or MUSIC 2D.
Transferable to CSU/UC
C-ID MUS 140
Theoretical and practical techniques of chromatic harmony, continued from MUSIC 1A, studied through written exercises and analysis, including introduction to chromatic harmony, secondary chords, modulation, change of mode (borrowed chords), Neapolitan sixth and augmented sixth chords. Required of all music majors. (L)

MUSIC 2C Advanced Theory Skills 1 unit
9 lecture hours, 27 lab hours
Corequisite: Concurrent enrollment or satisfactory completion of MUSIC 1A
Transferable to CSU/UC
C-ID MUS 125
Continuation of MUSIC 1B. Study of diatonic harmony with an introduction to secondary dominants and elementary modulation, two-part counterpoint, voice leading involving SATB chorale, diatonic harmony and its introduction to secondary chords and modulation. Exercises in part-writing, figured-bass, analysis, and melody harmonization. Required of all music majors and minors. (L)

MUSIC 2D Advanced Theory Skills 1 unit
9 lecture hours, 27 lab hours
Corequisite: Concurrent enrollment or satisfactory completion of MUSIC 1A
Transferable to CSU/UC
C-ID MUS 125
Continuation of MUSIC 1B. Study of diatonic harmony with an introduction to secondary dominants and elementary modulation, two-part counterpoint, voice leading involving SATB chorale, diatonic harmony and its introduction to secondary chords and modulation. Exercises in part-writing, figured-bass, analysis, and melody harmonization. Required of all music majors and minors. (L)

MUSIC 3A Advanced Harmony 3 units
9 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: MUSIC 1A
Corequisite: Concurrent enrollment or satisfactory completion of MUSIC 1D or MUSIC 2C or MUSIC 2D.
Transferable to CSU/UC
C-ID MUS 125
Continuation of MUSIC 1C. Exercises in applying theoretical concepts. Emphasis on ear-training; programmed exercises in rhythm reading, dictation of rhythmic, melodic, harmonic materials; sight-singing, analysis, and dictation. Required of all music majors and minors.

MUSIC 3B Advanced Harmony 3 units
9 lecture hours
Prerequisite: Satisfactory completion of: MUSIC 2A
Corequisite: Concurrent enrollment or satisfactory completion of MUSIC 1D or MUSIC 2C or MUSIC 2D.
Transferable to CSU/UC
C-ID MUS 125
Continuation of MUSIC 1C. Exercises in applying theoretical concepts. Emphasis on ear-training; programmed exercises in rhythm reading, dictation of rhythmic, melodic, harmonic materials; sight-singing, analysis, and dictation. Required of all music majors and minors.

MUSIC 3C Advanced Harmony 3 units
9 lecture hours
Prerequisite: Satisfactory completion of: MUSIC 2A
Corequisite: Concurrent enrollment or satisfactory completion of MUSIC 1D or MUSIC 2C or MUSIC 2D.
Transferable to CSU/UC
C-ID MUS 125
Continuation of MUSIC 1C. Exercises in applying theoretical concepts. Emphasis on ear-training; programmed exercises in rhythm reading, dictation of rhythmic, melodic, harmonic materials; sight-singing, analysis, and dictation. Required of all music majors and minors.

MUSIC 3D Advanced Harmony 3 units
9 lecture hours
Prerequisite: Satisfactory completion of: MUSIC 2A
Corequisite: Concurrent enrollment or satisfactory completion of MUSIC 1D or MUSIC 2C or MUSIC 2D.
Transferable to CSU/UC
C-ID MUS 125
Continuation of MUSIC 1C. Exercises in applying theoretical concepts. Emphasis on ear-training; programmed exercises in rhythm reading, dictation of rhythmic, melodic, harmonic materials; sight-singing, analysis, and dictation. Required of all music majors and minors.

2020-2021 Catalog
Programs and Courses

Music

MUSIC 2C Advanced Theory Skills 1 unit
9 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: MUSIC 1D
Concurrent: Concurrent enrollment or satisfactory completion of: MUSIC 2A or MUSIC 2B
Transferable to CSU/UC
C-ID MUS 145

Continuation of Music 1D. Exercises in continuing to apply theoretical concepts to develop rhythm, melody and harmonic materials through ear-training—employing programmed exercises in rhythmic reading and dictation of rhythm, melodic and harmonic materials—and sight-singing, analysis, and melodic and harmonic dictation. Required of all music majors. (L)

MUSIC 2D Theory Skills 1 unit
9 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: MUSIC 2C
Transferable to CSU/UC
C-ID MUS 146

Continuation of Music 2C. Exercises in applying theoretical concepts to singing and dictation. Emphasis on ear-training employing a congregated exercises in rhythmic reading, dictation of rhythm, melodic, harmonic materials, and sight-singing as well as ear training, analysis and dictation at an advanced level. Required of all music majors. (L)

MUSIC 2E Keyboard Harmony II 1 unit
9 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: MUSIC 1B and MUSIC 1E
Transferable to CSU/UC
C-ID MUS 145

Intermediate keyboard application of music theory for music majors. The course prepares students toward piano proficiency exams required at transferring universities.

MUSIC 3 Music Appreciation 3 units
54 lecture hours
Transferable to CSU/UC
Study of the role of music in relation to the humanities: music and composers of the western world from the medieval to the contemporary period. Grades are P/NP option. (L)

MUSIC 8A Available Skills: Brass 1 unit
54 lecture hours
Transferable to CSU/UC
A chroniclal survey of Western Art Music with special emphasis on style development, genres, composers, and important works. Covers the period from early Baroque to the present day. Intended for the music major. The ability to read music notation is essential. Extensive listening to recorded examples is required. (L)

MUSIC 8B Music History II 3 units
54 lecture hours
Transferable to CSU/UC
A chronological survey of Western Art Music with special emphasis on style, genres, composers, and important works. Covers the period from early Baroque to the present day. Intended for the music major. The ability to read music notation is essential. Extensive listening to recorded examples is required. (L)

MUSIC 12 Jazz Appreciation 3 units
54 lecture hours
Transferable to CSU/UC
General survey of jazz from its original and early development to present day; extensive listening to recorded and live performance supports the lecture material. Not open for credit to students with credit in HUMAN 12.

MUSIC 14A Conducting I 2 units
36 lecture hours, 9 lab hours
Prerequisite: Satisfactory completion of: MUSIC 1C and MUSIC 1D
Transferable to CSU
C-ID MUS 112

The study of style and technique of conducting with emphasis on clear baton technique, interpretation, and score analysis. Grades are P/NP option. (L)

MUSIC 15 Popular Music in the United States 3 units
54 lecture hours
Transferable to CSU/UC
A survey of popular music in the United States from about 1850 to the present. Covers American Civil War songs, ragtime, blues, jazz, songwriting, musical theater, country music, Latin music styles, rock and current trends. (L)

MUSIC 16 World Music 3 units
54 lecture hours
Transferable to CSU/UC
An introduction to music as experienced through various world cultures including, but not limited to, Asia, India, the Middle East, Africa, Australia, and South America. Subcultures, such as Native American music and Ethnic North American music are also studied. Grades are P/NP option. (L)

MUSIC 17 Music as Culture 3 units
54 lecture hours
Transferable to CSU/UC
A search for a better understanding of what gives music meaning. Explorations into multiple genres, including classical, rock, rap, folk, Latino and World Music with an emphasis on the nature of sound, meaning, diversity, performance and value judgments.

MUSIC 18 Rock Music History and Culture 3 units
54 lecture hours
Transferable to CSU/UC

MUSIC 26 Musical Theatre Workshop 3 units
162 lab hours
Transferable to CSU
C-ID MUS 160

Fundamentals of musical theatre performance; singing, acting, dancing, orchestra, and technical stagework. Students may specialize in area of interest. Works to be selected from various periods and styles. Participation in Yuba College production is required. Not open for credit to students with credit in THART 26.

MUSIC 28R Community Jazz Ensemble 1 unit
9 lecture hours, 27 lab hours
Other: Audition required. (Students may enroll in course but may be dropped depending on the result of the audition.) Transferable to CSU/UC

This course is for the study, rehearsal, and public performance of jazz ensemble literature, with an emphasis on the development of skills needed to perform within a specialized ensemble. Different literature will be studied each semester. The course is repeatable for credit the maximum times allowable by regulation. Audition is required. Other: Repeatable three times only. Grades are P/NP option.

MUSIC 30AR Applied Skills: Woodwinds 1 unit
9 lecture hours, 27 lab hours
Conditions of Enrollment: Audition Required (Students may enroll in the course, but may be dropped based on the audition result); Concurrent participation in an appropriate ensemble and enrollment in appropriate-level major preparation courses from the MUS 1A-2E sequence is strongly recommended.

Transferable to CSU/UC
C-ID MUS 160

This course consists of individualized study of the appropriate techniques and repertoire for a woodwind instrument. The emphasis is on the progressive improvement of technical facility, musicianship, expressive interpretation and other skills necessary for solo performance. For music majors with a concentration in either flute, oboe, clarinet, saxophone or bassoon. Other: Repeatable four times only.

MUSIC 30DR Applied Skills: Percussion 1 unit
9 lecture hours, 27 lab hours
Conditions of Enrollment: Audition Required (Students may enroll in the course, but may be dropped based on the audition result); Concurrent participation in an appropriate ensemble and enrollment in appropriate-level major preparation courses from the MUS 1A-2E sequence is strongly recommended.

Transferable to CSU/UC
C-ID MUS 160

This course consists of individualized study of the appropriate techniques and repertoire for a brass instrument through private instruction. The emphasis is on the progressive improvement of technical facility, musicianship, expressive interpretation and other skills necessary for solo performance. For music majors with a concentration in either trumpet, French horn, trombone, euphonium or tuba. Other: Repeatable three times only. Letter grade only.

MUSIC 30CR Applied Skills: Composition 1 unit
9 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: MUSIC 2A or Consent of Instructor.
Transferable to CSU/UC
C-ID MUS 160

Application of theory and harmony skills to original music composition. Composing art music for piano, voice and other instruments. Other: Repeatable three times only.

MUSIC 30DR Applied Skills: Percussion 1 unit
9 lecture hours, 27 lab hours
Conditions of Enrollment: Audition Required (Students may enroll in the course, but may be dropped based on the audition result); Concurrent participation in an appropriate ensemble and enrollment in appropriate-level major preparation courses from the MUS 1A-2E sequence is strongly recommended.

Transferable to CSU/UC
C-ID MUS 160

This course consists of individualized study of the appropriate techniques and repertoire for a percussion instrument through private instruction. The emphasis is on the progressive improvement of technical facility, musicianship, expressive interpretation and other skills necessary for solo performance. For music majors with a concentration in percussion. Other: Repeatable three times only.

MUSIC 30ER Applied Skills: Strings 1 unit
9 lecture hours, 27 lab hours
Conditions of Enrollment: Audition required (students may enroll in the course, but may be dropped based on the audition result); Concurrent participation in an appropriate ensemble and enrollment in appropriate-level major preparation courses from the MUS 1A-2E sequence is strongly recommended.

Transferable to CSU/UC
C-ID MUS 160

This course consists of individualized study of the appropriate techniques and repertoire for a string instrument through private instruction. The emphasis is on the progressive improvement of technical facility, musicianship, expressive interpretation and other skills necessary for solo performance. For music majors with a concentration in violin, viola, cello or string bass. Other: Repeatable three times only.
MUSIC 33R Chamber Singers 1 unit
9 lecture hours, 27 lab hours
Conditions of Enrollment: Audition required (students may enroll in the course by may be dropped subject to the audition result.) Transferable to CSU/UC
This course is for the study, rehearsal and public performance of literature appropriate to the chamber vocal ensemble, with an emphasis on the development of skills needed to perform within a chamber vocal ensemble. Different literature of sacred and/or secular music from various historical and cultural styles will be studied each semester. This course is repeatable for credit the maximum times allowed by regulation. Audition is required. Other: Repeatable three times only. Grades are P/NP option.

MUSIC 34R Concert Choir 1 unit
9 lecture hours, 27 lab hours
Conditions of Enrollment: Audition required (students may enroll in the course by may be dropped subject to the audition result.) Transferable to CSU/UC
This course is for the study, rehearsal and public performance of the standard choral literature from various style periods and cultures, with an emphasis on the development of skills needed to perform within a large ensemble. Different literature will be studied each semester. This course is repeatable for credit the maximum times allowed by regulation. Audition required. Other: Repeatable three times only. Grades are P/NP option.

MUSIC 35 Beginning Guitar v.1-2 units
9 lecture hours, 27 lab hours (1 unit)
27 lecture hours, 27 lab hours (2 units)
Transferable to CSU/UC
Basic guitar technique with an emphasis on melody and chording.

MUSIC 36A Intermediate Guitar 1 unit
9 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: MUSIC 35 Intermediate guitar technique with an emphasis on melody and chording.
Transferable to CSU/UC

MUSIC 36B Intermediate Guitar 1 unit
9 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: MUSIC 36A Intermediate guitar technique with an emphasis on melody and chording.
Transferable to CSU/UC

MUSIC 36C Intermediate Guitar 1 unit
9 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: MUSIC 36B Intermediate guitar technique with an emphasis on melody and chording.
Transferable to CSU/UC

MUSIC 37A Indian Music Ensemble I 1 unit
9 lecture hours, 27 lab hours Transferable to CSU/UC
Students will receive hands-on musical instruction in North Indian music on instruments such as Tabla, Sitar, Harmonium, and/or vocals. Students are welcome to bring their own non-Indian instruments (e.g. guitar, violin, flute, etc.). Prior musical experience is necessary. This course will serve as an introduction to Indian music. Topics covered will include instrument maintenance, tuning, exercises, and basic theoretical concepts. Grades are P/NP option.

MUSIC 37B Indian Music Ensemble II 1 unit
9 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: MUSIC 37A Transferable to CSU/UC
Students will receive hands-on musical instruction in North Indian music on instruments such as Tabla, Sitar, Harmonium, and/or vocals. Students are welcome to bring their own non-Indian instruments (e.g. guitar, violin, flute, etc.). Prior musical experience is necessary. This course will serve as an introduction to Indian music. Topics covered will include instrument maintenance, tuning, exercises, and basic theoretical concepts. Grades are P/NP option.

MUSIC 37C Indian Music Ensemble III 1 unit
9 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: MUSIC 37B Transferable to CSU/UC
Students will receive hands-on musical instruction in North Indian music on instruments such as Tabla, Sitar, Harmonium, and/or vocals. Students are welcome to bring their own non-Indian instruments (e.g. guitar, violin, flute, etc.). An emphasis will be placed on understanding the aspects of Raga (melody) and Tala (rhythm cycles). Topics discussed will include the many types of traditional compositions as well as methods for improvisation. Grades are P/NP option.

MUSIC 37D Indian Music Ensemble IV 1 unit
9 lecture hours, 27 lab hours
Prerequisite: Satisfactory completion of: MUSIC 37C Transferable to CSU/UC
Students will receive hands-on musical instruction in North Indian music on instruments such as Tabla, Sitar, Harmonium, and/or vocals. Students are welcome to bring their own non-Indian instruments (e.g. guitar, violin, flute, etc.). An emphasis will be placed on understanding the aspects of Raga (melody) and Tala (rhythm cycles). Topics discussed will include the many types of traditional compositions as well as methods for improvisation. Grades are P/NP option.

MUSIC 40A Elementary Voice I 1 unit
9 lecture hours, 27 lab hours Transferable to CSU/UC
Group instruction in elementary vocal techniques, including tone production, breathing, diction, and basic music reading skills. The students will further develop these techniques and performance anxiety management as continuation from MUSIC 40A to gain more facility and awareness in performing folk songs and musical theater type repertoire for each other in class. Grades are P/NP option.

MUSIC 40B Elementary Voice II 1 unit
9 lecture hours, 27 lab hours Transferable to CSU/UC
Prerequisite: Satisfactory completion of: MUSIC 40A. Or by placement exam.

MUSIC 41A Elementary Piano I 1 unit
9 lecture hours, 27 lab hours Transferable to CSU/UC
Elementary piano covering the fundamentals of keyboard theory and technique, reading, solo and ensemble repertoire, and creative activities. (L)

MUSIC 41B Elementary Piano I 1 unit
9 lecture hours, 27 lab hours Transferable to CSU/UC
Prerequisite: MUSIC 41A or Approval of the Instructor upon Audition

2020-2021 Catalog
MUSIC 42 Intermediate Piano 1 unit
9 lecture hours, 27 lab hours
Prerequisite: MUSIC 41B
Transferable to CSU/UC
Group piano class for students with at least one year of concentrated piano study. Emphasis on technique, repertoire, and sight reading skills. (L)

MUSIC 42A Intermediate Piano I 1 unit
9 lecture hours, 27 lab hours
Prerequisite: MUSIC 41B or Approval of Instructor upon Audition
Transferable to CSU
Group piano class for students with at least one year of concentrated piano study. Emphasis on technique, repertoire, and sight reading skills. (L)

MUSIC 42B Intermediate Piano II 1 unit
9 lecture hours, 27 lab hours
Prerequisite: MUSIC 42A
Transferable to CSU
Group piano class for students with at least one year of concentrated piano study. Emphasis on technique, repertoire, and sight reading skills. (L)

MUSIC 43 Intermediate Piano 1 unit
18 lecture hours, 54 lab hours
Conditions of Enrollment: Audition Required. (Students may enroll in the course before the audition, but may be dropped based on the audition result).
Transferable to CSU/UC/C- D MUS 180

This course is for the study, rehearsal and public performance of symphonic band literature, with an emphasis on the development of skills needed to perform with an ensemble. Different literature will be studied each semester. The course is repeatable for credit the maximum times allowable by regulation. Other: Repeatable three times only. Grades are P/NP option.

MUSIC 44 Intermediate Piano 1 unit
9 lecture hours, 27 lab hours
Conditions of Enrollment: Audition Required. (Students may enroll in the course before the audition, but may be dropped based on the audition result).
Transferable to CSU/UC

This course is for the study, rehearsal, and public performance of literature appropriate to the ensemble, with an emphasis on the development of skills needed to perform within a large ensemble. Different literature will be studied each semester. The course is repeatable for credit the maximum times allowable by regulation. Audition required. Other: Repeatable three times only. Grades are P/NP option.

MUSIC 47 Chamber Orchestra 1 unit
9 lecture hours, 27 lab hours
Conditions of Enrollment: Audition Required. (Students may enroll in the course before the audition, but may be dropped based on the audition result).
Transferable to CSU

This course is for the study, rehearsal, and public performance of literature appropriate to the chamber orchestra, with an emphasis on the development of skills needed to perform within a large ensemble. Different literature will be studied each semester. The course is repeatable for credit the maximum times allowable by regulation. Audition required. Other: Repeatable three times only. Grades are P/NP option.

APPLIED MUSIC SKILLS:

Family of Classes

No more than four classes can be attempted within each family of classes listed below: see page 51 for details.

MUSIC 30AR—Applied Skills: Woodwinds
MUSIC 30CR—Applied Skills: Woodwinds
MUSIC 31R—Applied Skills: Piano
MUSIC 32R—Applied Skills: Voice

CHORAL ENSEMBLE/SPECIAL EVENTS:

Family of Classes

No more than four classes can be attempted within each family of classes listed below: see page 51 for details.

MUSIC 34R—Community Choir

CONDUCTING:

Family of Classes

No more than four classes can be attempted within each family of classes listed below: see page 51 for details.

MUSIC 14A—Conducting I

GUITAR:

Family of Classes

No more than four classes can be attempted within each family of classes listed below: see page 51 for details.

MUSIC 35—Beginning Guitar
MUSIC 36A—Intermediate Guitar
MUSIC 36B—Intermediate Guitar
MUSIC 36C—Intermediate Guitar

INSTRUMENTAL ENSEMBLE/PERFORMANCE:

Family of Classes

No more than four classes can be attempted within each family of classes listed below: see page 51 for details.

MUSIC 28R—Community Jazz Ensemble
MUSIC 33R—Symphonic Band
MUSIC 44R—Instrumental Chamber Ensemble

MUSICAL THEATRE:

Family of Classes

No more than four classes can be attempted within each family of classes listed below: see page 51 for details.

MUSIC 26—Musical Theatre Workshop

PIANO:

Family of Classes

No more than four classes can be attempted within each family of classes listed below: see page 51 for details.

MUSIC 40A—Elementary Piano
MUSIC 40B—Intermediate Piano
MUSIC 40C—Intermediate Piano
MUSIC 40D—Intermediate Piano

VOICE:

Family of Classes

No more than four classes can be attempted within each family of classes listed below: see page 51 for details.

MUSIC 40A—Elementary Voice I
MUSIC 40B—Elementary Voice II
MUSIC 40C—Intermediate Voice I
MUSIC 40D—Intermediate Voice II

ESL 512 Low-Beginning Listening and Pronunciation 54 lab hours
Prerequisite: Or by Placement exam
Listening and pronunciation for beginners. Emphasis on increased listening and comprehension and oral fluency of simple spoken English in common daily personal communication. Novice vocabulary and structures. Concurrent enrollment in ESL 213/513, 214/514, and 215/515 is highly recommended.

ESL 514 English Conversation, Level 1 28-36 lecture hours
The first course in conversation for low-beginning ESL students. Develops basic listening and speaking skills using everyday conversation in small groups and one-on-one. Emphasis on listening comprehension, pronunciation, intonation, and role-playing simulations. Students will develop basic English vocabulary and grammar necessary for successful communication. Topics include personal and family information, daily activities, and other subjects of general interest. Concurrent enrollment in ESL 212/512, 213/513, 215/515, and 226L/526L is highly recommended.

ESL 515 Integrated Skills, Level 1 90 lab hours
Prerequisite: Placement exam
Language development for low-beginning, limited English speakers. Concentration on all language skills—reading, writing, listening, speaking, and grammar. This is the first course in a series of six. Prepares students for ESL 225 ESL 525 and other level two ESL courses.

ESL 516A Academic Reading and Writing for ESL 1 4-72 lab hours
Prerequisite: Satisfactory completion of ESL 268 or ESL 269 or ESL 265 or ESL 565 or by placement exam
This course emphasizes the development of basic reading and writing skills including active reading and writing processes, vocabulary development, grammar and mechanics, simple and compound sentences, paragraph development, summary-response compositions, and small group and whole class work to strengthen basic reading and writing skills. Concurrent enrollment in 40A, 40B, and/or 40C recommended.
Programs and Courses

ESL 516B Academic Reading and Writing for ESL 2 44-72 lab hours
Prerequisite: Satisfactory completion of: ESL 116A or ESL 516A or by placement exam
This course emphasizes the development of reading and writing skills including varied sentence types, use of phrases and clauses, grammar and mechanics, paragraphs, summary, response, short essays, the writing process, and small group and whole class work to strengthen basic reading skills, make inferences and read critically. Concurrent enrollment in 40A, 40B, and/or 40C recommended.

ESL 522 Beginning Listening and Pronunciation 54 lab hours
Prerequisite: Satisfactory completion in: ESL 212 or ESL 512 or by placement exam.
This course covers listening and pronunciation for beginners. Emphasis will be placed on increasing listening comprehension and pronunciation skills in speaking English in common daily personal and academic communication. Concurrent enrollment in ESL 223/523, 224/524, 225/525, and 226L/526L is highly recommended.

ESL 524 English Conversation, Level 2 28-36 lecture hours
Prerequisite: Satisfactory completion of: ESL 214 or ESL 514LR or by placement exam.
The second course in conversation for low-beginning ESL students. Builds on basic listening and speaking skills using everyday conversation in small groups and one-on-one. Emphasis on listening comprehension, pronunciation, intonation, and role-playing simulations. Students will further develop English vocabulary and grammar necessary for successful communication. Topics include comparison of students' and American cultures, geographic directions, clarification techniques, and other subjects of interest. Concurrent enrollment in ESL 225/525, 222/522, 223/523, and 226L/526L is highly recommended.

ESL 525 Integrated ESL Skills, Level 2 90 lab hours
Prerequisite: Satisfactory completion of: ESL 215 or ESL 515 or by placement exam.
Language development for beginning, limited English speakers. Concentration on all language skills: listening, speaking, reading, writing, and grammar. This is the second course in a series of six. Prepares students for ESL 245 and ESL level four courses.

ESL 539ECE English Skills for Parents and Child Care Providers 90-120 lab hours
Conditions of Enrolment: Or by placement exam.
This high-beginning course develops oral and written communication skills in standard English within the context of child care, child rearing, and parenting. Students develop and practice the listening, speaking, reading, and writing skills useful for communicating with and about children at different stages of development on topics including day-to-day care, health, and safety. This course is intended for non-native speakers of English who are parents, grandparents, child care providers, preschool teachers, and students of Child Development. This course is recommended for non-native speakers at high-beginning level. It is recommended that students enroll in or have successfully completed ESL 235/535.

ESL 539MAT The Language of Arithmetic for ESL Students 48-54 lab hours
Prerequisite: Satisfactory completion of: ESL 223 or ESL 523 or ESL 525. Other: (Placement Exam Score) or ESL 539 level 3 (high-beginning) and above. Students should demonstrate via the placement exam or completion of ESL 223/523 and/or 225/525 that they have achieved a high-beginning competency of English to better their chance of success in this course. Not open to students who have successfully completed ESL 295MAT/595MAT or by placement exam.
This course is intended to develop the abilities of speakers of other languages and cultures to (1) read and comprehend, (2) write, in words, numbers, and notations, and (3) verbally express the language of arithmetic necessary for appropriate computations using whole numbers within the standards of the American educational system, including, but not necessarily limited to addition, subtraction, multiplication, and division.

ESL 540A Low-Advanced Grammar 48-54 lab hours
Prerequisite: Satisfactory completion of: ESL 263 or ESL 563 or by placement exam.
Low-advanced grammar for ESL students. This course introduces students to a theme-based grammar and teaches them to read, write and speak English with grammatical accuracy and fluency in real-life contexts. Includes a functional study of the 12 tenses. Concurrent enrollment in ESL 116A/ESL 516A/B, or ENG 515/516A is highly recommended.

ESL 543 Low-Intermediate Grammar 48-54 lab hours
Prerequisite: Satisfactory completion of: ESL 233 or ESL 533 or by placement exam.
Low-intermediate grammar for ESL students. This course introduces students to writing paragraphs containing both compound and complex sentences in past and present tenses. Concurrent enrollment in ESL 248/546 is highly recommended.

ESL 545 Integrated Skills, Level 4 90-100 lab hours
Prerequisite: Satisfactory completion of: ESL 235 or ESL 535 or by placement exam.
Language development for low-intermediate limited English speakers. Concentration on all language skills: listening, speaking, reading, writing, and grammar. This is the fourth course in a series of six leading to a certificate of completion in English at the low-intermediate level.

ESL 546LR English As a Second Language, Lab 2 37-54 lab hours
Supplements English as a Second Language Levels 4 through 6 courses by providing additional academic support, practice, and exercises and other academic activities in grammar, reading, writing, vocabulary, listening, comprehension, pronunciation, and conversation. Students receive individualized and group instruction under supervision as needed.

ESL 549COM Computer Skills for ESL Students 54 lab hours
Prerequisite: Satisfactory completion of: ESL 223 or ESL 263 or by placement exam.
Provides students with the basic computer and word processing skills necessary to format, type, retrieve, and revise simple documents. Students learn to use various software and process basic research related to their academic needs and future employment using the internet. Additionally, students will work on English skills, such as reading and following directions (both reading and listening), and development of vocabulary related to computers. Intended for non-native English speakers with at least low-intermediate English proficiency. Concurrent enrollment in ESL 446 or ESL 546 is strongly recommended.

ESL 553 Intermediate Grammar 48-54 lab hours
Prerequisite: Satisfactory completion of: ESL 243 or ESL 543 or by placement exam.
Intermediate grammar for ESL students. This course introduces students to the writing paragraphs containing compound and complex sentences in present, past, and future tenses. Concurrent enrollment in ESL 250/555 or 256/556 is highly recommended.

ESL 555 Integrated ESL Skills, Level 5 90-100 lab hours
Prerequisite: Satisfactory completion of: ESL 245 or ESL 545 or by placement exam.
Language development for intermediate limited English speakers. Concentration on all language skills – reading, writing, speaking, and grammar. This non-credit course is the fifth in a series of six non-credit integrated skill courses (515, 525, 535, 545, 555, and 565) leading to a certificate of completion in English at the high-intermediate level.

ESL 558 Intermediate Writing 72-90 lab hours
Prerequisite: Satisfactory completion of: ESL 245 or ESL 545 or by placement exam.
Writing for intermediate ESL. Develops abilities to write more detailed paragraphs using simple and compound sentences in varied verb tenses. Intended for intermediate level students. Concurrent enrollment in ESL 253/553 and 255/555 highly recommended.

ESL 559 English for Employment 48-54 lab hours
Conditions of Enrolment: Or by placement exam.
Preparatory course for vocational training and/or employment. Includes vocabulary for the world of work and skill development for job search, application and job retention. Intended for non-native English speakers with at least intermediate English proficiency. Concurrent enrollment in ESL 252, 253, 257, 259, 267, 255 and/or 250 and above is highly recommended. (CL)

ESL 559MAT The Language of Mathematics for ESL Students 80 lab hours
Prerequisite: Satisfactory completion of: ESL 233 or ESL 263 or by placement exam.
This course develops the English speaking abilities of non-native English speakers specifically in regards to the language and vocabulary of mathematics as it is used in the American educational system. Students will learn to read, write, and verbally express mathematical words, numbers, and notations.
LEARN 515 Academic Strategies

36 lecture hours, 54 lab hours

Designed especially for students with disabilities and others who have difficulty learning by traditional methods. Opportunity provided for self-analysis, acquisition, and application of learning strategies through a hands-on approach with guided practice. Strategies include: time management, organization, memory, listening, note taking, textbook reading, and test preparation. Emphasis on self-advocacy and use of appropriate accommodations including assistive technology. Recommendation: Basic reading/writing skills, familiarity with computers, and a readiness for college participation.

LEARN 518 Workforce Reading and Writing Skills

36 lecture hours, 54 lab hours

Designed for students with disabilities, learning differences, and/or a history of difficulty developing reading/writing skills. Review of basic skills in written language in preparation for entering the workforce. Emphasis on building competency in reading comprehension and writing proficiency typically needed for success in vocational and/or entry level employment. May incorporate use of assistive computer technology. Recommendation: Basic reading/writing skills, familiarity with computers, and a readiness for college participation.

LEARN 551 Academic Evaluation

18 lecture hours

Designed for students who wish to better understand their individual spectrum of learning aptitudes including current achievement levels. Eligibility for academic accommodations may be considered based on testing information using step-by-step guidelines mandated by the California Community College system.

LEARN 555 Beginning Assistive Computer Technology

18 lecture hours, 54 lab hours

Designed for students with disabilities who have limited computer experience. Focus is on use of keyboard/mouse, personal data storage, basic MS Word, use of MyCampus Portal and Canvas, internet use, educational websites, and software for independent learning. Incorporates an overview of current available assistive computer technology used to meet the educational needs of students with physical, learning, and cognitive impairments. Course is open entry/open exit.

LEARN 556 Intermed Assistive Computer Technology

18 lecture hours, 54 lab hours

Designed for students with disabilities in need of assistive computer technology to ensure equal access to college materials and improved efficiency on academic tasks. Prepares student for independent use of current technologies available in college computer labs, modern work environments, and personally adapted home computer systems. Recommendation: Basic reading/writing skills and familiarity with computers. Course is open entry/open exit.

LEARN 575 Workforce Mathematics

36 lecture hours, 54 lab hours

Designed for students with learning differences and a history of difficulty in mathematics. Review of basic math skills in preparation for the workforce and/or career technical education. Emphasis on math calculations and situational word problems encountered in vocational education. Recommendation: Basic reading/writing skills, familiarity with computers, and a readiness for college participation.

LEARN 590 Supervised Tutoring

1-162 lab hours

Individually and group assistance in specific courses.

LEARN 590A Supervised Tutoring for College Success Center

1-162 lab hours

Individually and group assistance in specific courses.

LEARN 590B Supervised Tutoring in Writing

1-162 lab hours

Individually and small group assistance for reading and writing in courses across the curriculum.

MUSIC 540 Vocal Techniques

9 lecture hours, 27 lab hours

Conditions of Enrolment: Audition is required to determine the technical level of the student. Instruction in vocal techniques, tone production, breathing, and diction, and their application to the art song and musical theatre repertoire. Emphasis on currently available assistive computer technology used to meet the educational needs of students with physical, learning, and cognitive impairments. Course is open entry/open exit.

MUSIC 543 Symphonic Band

15-18 lecture hours, 50-54 lab hours

Conditions of Enrollment: Audition Required (This is a public performance course, where student may be dropped based on the audition result if allocating available seats to students who have been judged most qualified was necessary, pursuant to Title 5, Section 58106.)
### Programs and Courses

**THART 530  Musical Theater Workshop**

162 lab hours

**Other:** Audition

- This course is designed to enrich the artistic expression and life quality of older adults through musical theatre. This course provides an opportunity for personal growth and development, group interaction, mental stimulation and physical activity, through supervised participation in a college musical theatre production. Physical, mental, social and emotional well-being are stimulated through a variety of creative and expressive musical theatre activities related to rehearsal and live performance including singing, dancing, musical performance, acting, directing, design, and stagecraft. Performing roles require an audition or interview.

**THART 529  College Theatre**

54-162 lab hours

**Other:** Audition

- In order to be fully successful in this course, students should already possess some knowledge of theatre performance and production. This course is designed to enrich the artistic expression and life quality of older adults through theatre. This course provides an opportunity for personal growth and development, group interaction, mental stimulation and physical activity through supervised participation in a college theatre production. Physical, mental, social and emotional well-being are stimulated through a variety of creative and expressive theatre activities related to rehearsal and live performance including acting, directing, design, and stagecraft. Acting roles require an audition or interview.

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### Nursing

Yuba College offers an Associate Degree Nursing program leading to licensure as a Registered Nurse (RN). A career ladder program for LVN’s wishing to advance to the RN level is also available. All students are advised to check the Yuba College Website for nursing (nursing.yccd.edu) often for new information relative to application and graduation. Graduates after passing the National Council of State Boards of Nursing Licensing Examination will have a variety of employment opportunities.

#### NURSING (ADN) (Associate in Science)

- Students who complete this program should be able to:
  1. Communicate and collaborate with interdisciplinary health care partners in providing care to diverse population of patients and families.
  2. Demonstrate problem solving skills while utilizing resources to apply best practices to deliver safe and effective care.
  3. Demonstrate understanding of and apply evidence based practice in rendering evidence based and culturally sensitive care across the lifespan to all patients.

**ADN Admission Requirements:**

- **Costs:** In addition to the expenses of regularly enrolled students (living costs, activity fees, books, tuition, etc.), Nursing students have the additional expenses of uniforms, licensing, health examination, drug testing, criminal background check, and others expenses. Nursing students are eligible for grants and loans available to any Yuba College student meeting the financial aid criteria. Upon completion of the Program, the student must meet the graduation criteria including units and GPA of the course prerequisites.

**Drug Policy:** All students enrolled in nursing and allied health programs are subject to the department drug policy and procedure which can be found in the Student Handbook located on the Yuba College Website for nursing (nursing.yccd.edu).

**Criminal Background Checks:** All clinical agencies require criminal background screening. Applicants who are found to have certain violations that preclude clinical placement will have the offer of admission rescinded. Costs associated with the background screening is the responsibility of the applicant.

**Pre-Admission Testing:** Prior to admission, all applicants are required to complete a pre-admission assessment exam (TEAS). Preadmission testing is required for all students.

**Enrollment Eligibility:** To be eligible for enrollment in the program, the student must meet the following criteria:

- a. The program uses a multi-criteria enrollment process based on the California Community College Chancellor’s Office admission formula to evaluate and admit applicants. See our website nursing.yccd.edu for more details. Students must reapply each semester. There is no waiting list.

**Required Courses:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total units required for degree major</td>
<td>63</td>
</tr>
<tr>
<td>Total units required for degree major</td>
<td>81</td>
</tr>
<tr>
<td>Total units required for degree major</td>
<td>108</td>
</tr>
<tr>
<td>Total units required for degree major</td>
<td>128</td>
</tr>
</tbody>
</table>

- b. Successful completion with “C” grade or higher of the course prerequisites.
- c. Achieve a score of >92% on the latest Test of Essential Academic Skills (TEAS), developed by Assessment Technologies Institute (ATI).

**Enrollment Process:** Eligible students are selected for the program according to the following steps:

1. Meet all eligibility requirements and complete our online application. Visit the nursing website: nursing.yccd.edu for more information.
2. Applicants will be admitted on a space-available basis using the multi-criteria screening process. Admitted students must complete a Yuba College application and complete the college entry requirements.

**ADN Admission Requirements:**

**PREREQUISITE COURSEWORK:**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology (minimum cumulative 2.50 GPA required):</td>
<td></td>
</tr>
<tr>
<td>BIOL 4 Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 5 Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 6 Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>English (minimum 2.50 GPA required):</td>
<td></td>
</tr>
<tr>
<td>ENGL 1A College Composition and Reading</td>
<td>4</td>
</tr>
<tr>
<td>Pharmacology and Pathophysiology (minimum 2.50 cumulative GPA required):</td>
<td></td>
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<tr>
<td>NURS 26 Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>NURS 36 Pathophysiology</td>
<td>4</td>
</tr>
<tr>
<td>STAT 1 Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2A Introductory Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>HLTH 10 Principles of Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 1A General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOCIAL 1 Introduction to Sociology OR</td>
<td>3</td>
</tr>
<tr>
<td>ANTHER 2 Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SPECH 1 Public Speaking OR</td>
<td>3</td>
</tr>
<tr>
<td>SPECH 5 Group Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities GE</td>
<td>3</td>
</tr>
<tr>
<td>SomaADN prerequisite courses have their own prerequisites. Please refer to the current course description for additional information.</td>
<td></td>
</tr>
</tbody>
</table>

**Required Courses:**

- First Semester
  - Units
  - NURS 1 Fundamentals of Medical Surgical | 9 |
- Second Semester
  - Units
  - NURS 2 Introduction Medical Surgical Nursing | 7 |
- Third Semester
  - Units
  - NURS 3 Intermediate Medical Surgical Nursing | 5 |
- Fourth Semester
  - Units
  - NURS 4 Advanced Medical Surgical Nursing | 6.5 |
- NURS 33 Psychiatric/Mental Health Nursing | 4 |

Total units required for degree major: 92.5

Students earning an AA degree must complete a minimum of 16 units of General Education requirements, the multicultural graduation requirement, and the health requirement, in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.
Programs and Courses

LICENSED VOCATIONAL NURSING (LVN) TO REGISTERED NURSING (RN)

CAREER MOBILITY PROGRAM

(Associate in Science)

Students who complete this program should be able to:

1. Communicate and collaborate with interdisciplinary health care partners in providing care to diverse populations of patients and families.
2. Demonstrate problem solving skills while utilizing resources to apply best practices to deliver safe and effective care.
3. Demonstrate understanding of and apply evidence-based practice in rendering ethical, competent and culturally sensitive care across the lifespan to all patients.

LVN to RN Career Mobility Admission Requirements:

This degree is designed for the California Licensed Vocational Nurse (LVN) who is admitted for advanced placement into the Registered Nursing (Associate Degree) Program. The graduate of the Associate Degree Nursing program demonstrates entry-level competencies and meets the educational requirements necessary to take the National Council Licensure Examination (NCLEX-RN) to become licensed as a Registered Nurse and eligible for employment.

Costs: In addition to the expenses of regularly enrolled students (living costs, activity fees, books, tuition, etc.), Nursing students have the additional expenses of uniforms, licensing, health examination, drug testing, criminal background check, and others expenses. Nursing students are eligible for grants and loans available to any Yuba College student meeting the financial aid criteria. Upon completion of the Program, the graduate, unless otherwise disqualified by the licensing board, is eligible to take the National Council of State Boards of Nursing Licensing Examination.

Drug Policy: Students enrolled in nursing and allied health programs are subject to the department drug policy and procedure which can be found in the Student Handbook located on the Yuba College Website for nursing (nursing.yccd.edu) for more information.

PREREQUISITE COURSEWORK:

Units
Biology (minimum cumulative 2.50 GPA required):

- BIOL 4 Human Anatomy .............................................. 4
- BIOL 5 Human Physiology ........................................... 4
- BIOL 6 Microbiology .................................................. 4

English (minimum 2.50 GPA required):

- ENGL 1A College Composition and Reading.................. 4

Pathophysiology (minimum 2.50 cumulative GPA required):

- NURS 36 Pathophysiology ............................................ 4
- STAT 1 Introduction to Statistics (with 3.0 GPA required) 4
- CHEM 2A Introductory Chemistry ................................... 4
- HLTH 10 Principles of Nutrition ..................................... 3
- PSYCH 1A General Psychology ..................................... 3
- SOC 1 Introduction to Sociology OR SPOC 1 writng 3
- ANTHR 2 Cultural Anthropology .................................... 3
- SPEECH 1 Public Speaking OR 3
- SPEECH 6 Group Communication 3
- Humanities GE .............................................................. 3

Some ADN prerequisite courses have their own prerequisite(s). Please refer to the current course description for additional information.

Required Courses:

- NURS 57 Second Year Advanced Nursing Skills Lab ......... 3.5
- NURS 56 Second Year Advanced Nursing Skills Lab ......... 1

LVN TO RN ONLY (30-UNIT OPTION)

Certificate of Achievement (with 30-59.5 units)

Meets California State Regulation 1429, and those completing this track are eligible to apply for the National Council of State Boards of Nursing Licensing Examination in preparation for licensure as a Registered Nurse. This is a non-degree program. States other than California may not grant Registered Nurse (RN) licensure based on completion of this option. Career laddering to a higher level such as Bachelor of Science in Nursing may be limited by this option as well. It is recommended the applicant call the Nursing Department for more information. Students who qualify will be admitted each semester on a space available basis.

Admission Criteria:

A. All applications are obtained and filled with the Nursing Office at the Yuba College main campus in Marysville. Applicants will be admitted on a space-available basis points in multi-criteria screening process and by date of receipt of completed application packets. Contact the Nursing Office for admission procedures, information.

B. Eligibility. Minimum qualifications for admission to this track are:

1. Current California Vocational Nurse License. Recent V.N. graduates must submit proof of licensure prior to completing application.
2. Graduation from an accredited vocational school of nursing or demonstration of mastery of course content by Challenge Examination.
3. IV Certified
4. Completion of the following courses with an overall average GPA of 2.5 or higher in the following courses:
   - BIOL 5 Human Physiology
   - BIOL 6 Introductory Microbiology
   - NURS 36 Pathophysiology
5. Completion of the following individual courses with a “C” or higher:
   - BIOL 5 Human Physiology
   - BIOL 6 Introductory Microbiology

Program Requirements

Nursing Major

Units (31 Required)

- NURS 3 Medical Surgical Nursing 3
- NURS 21 Pediatric Nursing 3.5
- NURS 33 Psychiatric/Mental Health Nursing 3.5
- NURS 4A Medical-Surgical Nursing IV 3.5
- NURS 4B Leadership in Nursing 4
- NURS 36 Pathophysiology: Understanding Disease 4
- BIOL 5 Human Physiology 4
- BIOL 6 Introductory Microbiology 4
- Total units required ................................................. 31
NURS 1  Fundamentals of Medical 9 units
Surgical Nursing
72 lecture hours, 270 lab hours
Prerequisite: Satisfactory completion of: NURS 36 and NURS 26
Other: Formal admission to the Yuba College Nursing program
Transferable to CSU
Introduces the first semester nursing student to concepts and practices of medical surgical (and/or skilled care) nursing, as they relate to non-critical patients (young adult through geriatric). Emphasis on recognizing alterations in physiological functioning and formulating age- and acutely-appropriate interventions. Psychomotor skills with meeting basic needs, medication administration, physical assessment; and sterile techniques will be studied and practiced. (L,M,C)

NURS 2  Introduction to Medical 7 units
Surgical Nursing
72 lecture hours, 162 lab hours
Prerequisite: Satisfactory completion of: NURS 1
Transfer to CSU
This course focuses on nursing concepts and safe nursing care of selected clients in selected systems under study. Further emphasis is upon the surgical patient, the patient with wounds, and the patient who is in pain. (L,M,C)

NURS 3  Intermediate Medical 5 units
Surgical Nursing
36 lecture hours, 162 lab hours
Prerequisite: Satisfactory completion of: NURS 2
Transfer to CSU
This course is designed to provide learning opportunities for in-depth application of the nursing process to the health needs of a selection of acutely ill patients and simulated acutely ill patients. Emphasis is on the application of biophysical and psychosocial knowledge to meet the health care needs of the adult with acute and chronic disorders in selected body systems. (L,M,C)

NURS 4  Advanced Medical 6.5 units
Surgical Nursing
54 lecture hours, 241 lab hours
Prerequisite: Satisfactory completion of: NURS 3
Transfer to CSU
This course introduces concepts related to patients with hemotologic, immunologic, burns, infective, and cancerous processes and diseases. The topics of Leadership, and Management, Delegation, Quality and Safety, Time Management, Conflict Resolution, Organization Structure and Change, Legal and Ethical Issues, and Role Transition are content focused. The scope of practice of the registered nurse as defined by the California Business and Professional Code is discussed along with an outlook on the future of nursing and nursing practice.

NURS 4A  Medical-Surgical 3.5 units
Nursing IV
36 lecture hours, 81 lab hours
Prerequisite: Satisfactory completion of: NURS 3
Transferable to CSU
This course is designed to provide lecture and clinical opportunities for in-depth application of the nursing process to the health needs of a selection of acutely ill patients and simulated acutely ill patients. Emphasis is on the application of biophysical and psychosocial knowledge to meet the health care needs of adults with acute and chronic disorders in selected body systems.

NURS 4B  Leadership in Nursing 3 units
18 lecture hours, 108 lab hours
Prerequisite: Satisfactory completion of: NURS 4A
Transferable to CSU
This course focuses on advanced concepts and principles of nursing practice as well as in-depth theory related to selected biophysical and psychosocial needs in a preceptor learning environment. Emphasis is on the management and leadership role of the nurse. Application of management and leadership concepts and skills is provided by selected patient care experiences for students who are assigned to work individually with an RN preceptor in a clinical agency.

NURS 18  Comprehensive Review 1 unit
for the NCLEX RN Examination
19 lecture hours
Prerequisite: Satisfactory completion of: NURS 4A
Transferable to CSU
Comprehensive review and test-taking strategies for the Registered Nurse (RN) Student in Nursing Science, Pharmacology, and Nursing content area’s related to the RN advanced procedures. (L,M)

NURS 20  Introduction to Nursing 1 unit
18 lecture hours
Transferable to CSU
Provides an overview of current nursing roles, responsibilities, and scope of practice as defined by the Board of Registered Nursing in a variety of settings. Selected nursing practice with an emphasis on the roles of being a nursing student and a newly graduated nurse are presented along with study strategies, sources for financial aid, and college and department learning resources to enhance student success. Open to nursing and non-nursing majors. Grades are P/NP. (L,M)

NURS 21  Pediatric Nursing 3.5 units
27 lecture hours, 108 lab hours
Transferable to CSU
This pediatric course focuses on registered nurses’ care from infancy through adolescence. Health problems are studied in the acute and community care setting. Education of the pediatric client and their family on health promotion, growth and development, disease prevention, and safety issues are addressed. Ethical and legal issues are discussed. The impact of diverse cultural and spiritual beliefs on health care decisions are explored. (L,M,C)

NURS 22  Obstetrical Nursing 3.5 units
27 lecture hours, 108 lab hours
Prerequisite: Satisfactory completion of: NURS 1
Transferable to CSU
This course focuses on integration and application of the nursing process as it relates to the provision of culturally sensitive nursing care to the childbearing family during pregnancy, birth, the postpartum period, and care of the newborn. Content will also include women’s health across the lifespan, including preventative care and diagnosis and treatment gynecologic disorders. Application of concepts, theory, and clinical skills is provided by selected patient care experiences in a variety of inpatient and outpatient settings. (L,M,C)

NURS 26  Pharmacology 3 units
54 lecture hours
Other Conditions: BIOL 4; BIOL 5 (Physiology) Recommended
Transferable to CSU
Basic principles of pharmacology with focus on pharmacokinetics, pharmacodynamics and related therapeutic implications for major drug categories. This course may be taken by nursing and non-nursing students. (L,M)

NURS 33  Psychiatric/Mental 4 units
Health Nursing
36 lecture hours, 108 lab hours
Transferable to CSU
This course focuses on integration and application of the nursing process to the study of mental illness. Psychosocial knowledge to meet the health care needs of individuals throughout the life span during one to one experiences for students who are assigned to work individually with an RN preceptor in a clinical agency.

NURS 36  Pathophysiology: Understanding Disease 4 units
180 lecture hours, 720 lab hours
Prerequisite: Satisfactory completion of: BIOL 4; BIOL 5
Transferable to CSU
The study of disease pathology in the human body with a focus on understanding the physiology and pathological function of body systems at the cellular level. Correlation to disease etiology and biological and physical manifestations produced by abnormal physiology. Core course content for NURS 5 through NURS 48, nursing courses. The content of this course is required to be completed prior to formal admission to the Yuba College Nursing Program. (L,C)

NURS 37  LVIN to RN Bridge Course 2 units
36 lecture hours
Transferable to CSU
The bridge course is designed to prepare the Licensed Vocational Nurse to enter the 3rd semester of the ADN Program and facilitate transition from the LVIN to RN role.

OFFICE ADMINISTRATION (see Business)
Programs and Courses

**Philosophy**

Philosophy courses are designed to cultivate wisdom by critically questioning fundamental beliefs about reality, self-identity, knowledge, religion, and ethics. The core courses that make up the curriculum include Introduction to Philosophy, Critical Thinking, Ethics, Philosophy of Religion, and World Religions.

**PHIL 1**  
Introduction to Philosophy  3 units  
54 lecture hours  
Transferable to CSU/UC  
Introduces students to the nature and practice of philosophic inquiry by focusing on traditional philosophic issues from a multicultural perspective. Particular emphasis will be given to classic Western philosophers as well as classic Eastern sources. (L)

**PHIL 2**  
Ethics  3 units  
54 lecture hours  
Transferable to CSU/UC  
An introduction to the study of ethics emphasizing the relevance of ethics to everyday decision making. Topics include: the human context of moral reasoning, relativism, subjectivism, religion and ethics, conscience and moral development, ethical egoism, utilitarianism, the ethics of duty, rights ethics, virtue ethics and the good life, and case studies in moral reasoning. (L)

**PHIL 3**  
Philosophy of Religion  3 units  
54 lecture hours  
Transferable to CSU/UC  
A philosophical exploration of religious belief and practice, with an emphasis on understanding how the world’s major religious traditions – Eastern and Western – respond to fundamental issues concerning the ultimate nature of reality. Topics include religion and philosophy, world views and religion, metaphysics without God, metaphysics with God, arguments for God’s existence, the problem of evil, incarnation and God, God and gender, life after death, religious experience, science and religion, prudential arguments for religious belief, faith and justification, love and the meaning of life. (L)

**PHIL 6**  
Political Philosophy  3 units  
54 lecture hours  
Transferable to CSU/UC  
C-ID POLS 120  
This course introduces students to the major authors of political thought and examines the assumptions and central issues involved in political thinking. Concepts such as: democracy, fascism, justice, rights, law, liberty, political authority, political principles, and consequences will be examined through an analysis of classical and contemporary reading selections. Not open for credit to students with credit in POLSC 6. (L)

**PHIL 12**  
Critical Thinking  3 units  
54 lecture hours  
Transferable to CSU/UC  
A basic introduction to critical thinking skills emphasizing their application to everyday decision-making. Topics include: definitions of critical thinking, language and meaning, claims and reasons, argument and inference, argument identification and reconstruction, inductive reasoning, deductive reasoning, underlying assumptions, evaluating assumptions, assumptions and evidence, worldviews as a context for critical thought, evaluating arguments, sound and fallacious reasoning, informal fallacies, causal inference, and scientific method. (L)

**PHIL 20**  
World Religions  3 units  
54 lecture hours  
Transferable to CSU/UC  
A survey of the beliefs and practices of Eastern and Western religious traditions. Emphasis will be given to the origin and development of each tradition, its major forms of expression, and the various ways in which each tradition addresses the most fundamental questions of human existence. (L)

**PHOTOGRAPHY** (see Art)

**PHYSICAL EDUCATION** (see Kinesiology or Athletics)

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**Physical Science**

**PHYS 10A**  
Earth Science  3 units  
54 lecture hours  
Transferable to CSU/UC - UC Unit Limit  
C-ID GEOL 120  
Survey course with topics chosen principally from oceanography, geology, physical geography, meteorology and astronomy. Topics are presented within a theme of understanding the earth. (L)

**PHYS 10AL**  
Earth Science Laboratory  1 unit  
54 lab hours  
Prerequisite: Satisfactory completion of: PHYS 10A which may be taken concurrently.  
Transferable to CSU/UC  
C-ID GEOL 120L  
Laboratory activities in Earth Science to reinforce and complement the materials presented in PHYS 10A.

**PHYS 10B**  
Physical Science - Physics and Chemistry  3 units  
54 lecture hours  
Transferable to CSU/UC - UC Unit Limit  
Basic concepts in physics and chemistry: motion, force, energy, electricity, atomic theory, matter, chemical and physical changes, radioactivity, and an introduction to modern physics. This course also includes introduction to applied physical sciences including Geology, Meteorology, Astronomy, and Oceanography. (L)

**PHYS 10C**  
Physical Science - Physics and Chemistry  1 unit  
54 lab hours  
Prerequisite: Satisfactory completion of: PHYS 10B, may be taken concurrently.  
Transferable to CSU/UC  
C-ID GEOL 120L  
Laboratory experiments in physics and chemistry to reinforce and complement the materials presented in PHYS 10B which may be taken concurrently. (L)
Programs and Courses

Physics

PHYS 2A General Physics 3 units
54 lecture hours
Prerequisite: Satisfactory completion of: MATH 21
Other: CHEM 2A is recommended
Transferable to CSU/UC - UC Unit Limit
C-ID PHYS 105 (PHYS 2A & PHYS 3A)
Comprehensive survey of physics, including mechanics, hydrostatics, thermodynamics, and wave motion; qualitative understanding and quantitative problem solving; primarily for life science majors. (L,M)
PHYS 2B General Physics 3 units
54 lecture hours
Prerequisite: Satisfactory completion of: PHYS 2A
Transferable to CSU/UC - UC Unit Limit
C-ID PHYS 110 (PHYS 2B & PHYS 3B)
Comprehensive survey of physics, including electricity and magnetism, optics, atomic and nuclear physics, and relativity; equal emphasis placed on qualitative understanding and quantitative problem solving. Primarily for Life Science majors. (L,M)
PHYS 3A General Physics Laboratory 1 unit
54 lab hours
Prerequisite: Satisfactory completion of: PHYS 2A, may be taken concurrently.
Transferable to CSU/UC - UC Unit Limit
C-ID PHYS 105 (PHYS 2A & PHYS 3A)
Performance of lab experiments to verify the important concepts of PHYS 2A. Not open for credit to students with credit in PHYS 4 series or equivalent. (L,M)
PHYS 3B General Physics Laboratory 1 unit
54 lab hours
Prerequisite: Satisfactory completion of: PHYS 2B and PHYS 3A
Corequisite: PHYS 2B
Transferable to CSU/UC - UC Unit Limit
C-ID PHYS 110 (PHYS 2B & PHYS 3B)
Performance of lab experiments to verify the important concepts of PHYS 2B. Not open for credit to students with credit in the PHYS 4 series. (L,M)
PHYS 4A Mechanics 4 units
54 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: MATH 1A with a grade of "C" or better.
Transferable to CSU/UC - UC Unit Limit
C-ID PHYS 205
Overview of the field of physics, its position and significance relative to the sciences, followed by a detailed study of mechanics. Primarily for architecture, chemistry, engineering, geophysics, and physics majors. (L,M)
PHYS 4B Electromagnetism 4 units
54 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: PHYS 4A with a grade of "C" or better.
Transferable to CSU/UC - UC Unit Limit
C-ID PHYS 210
Study of electromagnetism with accompanying laboratory. (L,M)
PHYS 4C Thermodynamics, Light, and Modern Physics 4 units
54 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: PHYS 4B with a grade of "C" or better.
Transferable to CSU/UC - UC Unit Limit
C-ID PHYS 215
Study of thermodynamics, optics, and modern physics with accompanying laboratory. (L,M)

PLANT SCIENCE (see Agriculture)

Political Science

The Associates in Arts in Political Science for Transfer degree is designed for students to transfer into the CSU system to complete a bachelor's degree in Political Science or similar major. The degree promotes students' engagement with politics at local, domestic, and international levels. Students are exposed to different perspectives on civic issues, political thoughts. American politics and world politics through which students are trained to be critical and analytical thinkers.

Required Courses

<table>
<thead>
<tr>
<th>Units</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSC 1 Introduction To American Government</td>
<td>3</td>
</tr>
<tr>
<td>List A: Select three courses (9 units) from the following courses:</td>
<td></td>
</tr>
<tr>
<td>POLSC 2 Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLSC 6 Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>POLSC 7 International Relations</td>
<td>3</td>
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<tr>
<td>STAT 1 Introduction to Statistical Methods</td>
<td>4</td>
</tr>
<tr>
<td>List B: Choose two courses (6 units) from the following courses:</td>
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<tr>
<td>POLSC 3 California Politics</td>
<td>3</td>
</tr>
<tr>
<td>HIST 116 African-American History</td>
<td>3</td>
</tr>
<tr>
<td>SOCIAL 6 Sociology of Sex and Gender</td>
<td>3</td>
</tr>
<tr>
<td>ECON 1A Elementary Economics-Macro</td>
<td>3</td>
</tr>
<tr>
<td>HIST 17A United States History</td>
<td>3</td>
</tr>
<tr>
<td>SOCIAL 3 Sociology of Race and Ethnicity</td>
<td>3</td>
</tr>
<tr>
<td>Total units required for degree major</td>
<td>18</td>
</tr>
</tbody>
</table>

Students earning an AA-TAS-T degree must complete 60 semester units of coursework eligible for transfer to the CSU including the CSU GE-B or IGETC (CSU version), all courses in the major with a "C" or better grades, and achieve a minimum transferable cumulative GPA of 2.0.

POLSC 1 Introduction to American Government 3 units
54 lecture hours
Transferable to CSU/UC
C-ID POLS 110
Covers the foundations, politics, and institutions of American government. Explores the foundations of American democracy, including political culture, the Constitution, civil liberties, and civil rights. Analyzes the influence and impact of media, political parties, elections, and interest groups. Examines political institutions such as the Congress, the Presidency, the courts, and the federal bureaucracy. State and local governments are included. (L)

POLSC 2 Comparative Politics 3 units
54 lecture hours
Transferable to CSU/UC
C-ID POLS 130
An introduction to comparative politics. This course compares the major political systems in selected countries, including industrialized democracies, developing states, and current/ former communist regimes. It analyzes the similarities and differences among the major states by studying their government types, ideologies, political parties, and economies. Students will learn about methods of comparison of various political systems. (L)

POLSC 3 California Politics 3 units
54 lecture hours
Transferable to CSU/UC
An introduction to California politics that explores state, county, and municipal governments. Examines how state politics impact Californians' daily lives with an insight into California's diverse and unique people, cultures, and political processes. Current major political issues will be analyzed, such as economic and class conflict, gender issues, ethnic/cultural relations, and contemporary challenges that urban, suburban, and rural governments face. (L)

POLSC 4 Political Philosophy 3 units
54 lecture hours
Transferable to CSU/UC
C-ID POLS 120
This course introduces students to the major authors of political thought and examines the assumptions and central issues involved in political thinking. Concepts such as democracy, fascism, justice, rights, law liberty, political authority, political principles, and consequences will be examined through an analysis of classical and contemporary readings. Not open for credit to students with credit in PHIL 6. (L)

POLSC 5 International Relations 3 units
54 lecture hours
Transferable to CSU/UC
C-ID POLS 140
A survey of historical and contemporary international relations. Focus will be on major IR theories and methodologies, international security, globalization, international political economy, international law, international institutions (e.g. UN, WTO, NATO, NGOs), and human security. This class also analyzes the foreign policies of major actors, major states, areas of conflict and tension, and various aspects of globalization. In addition, it explores how people of different cultures and ethnic background impact the domestic and foreign politics of their states, with emphasis on issues of human security - ethnic conflict, the global North and South economic gap, pandemics, human rights, population, environment and resource management. (L)
Programs and Courses

Psychiatric Technology

The Psychiatric Technology Program is a four-semester and single-semester session program offered at the Yuba College Campus. The program includes 648 theoretical hours of classroom education, correlated with 1006 clinical practicum hours. The subject matter reflects the knowledge and skills specified by Board of Vocational Nursing Psychiatric Technology (BVNPTE) regulations, rules, and laws. All clinical practicum will be under the supervision of a licensed BVNPTE-approved clinical instructor. The curriculum may be periodically revised to reflect the evolution of the profession and BVNPTE laws and regulations.

Theory and clinical program content shall reflect the client and patient population that are normally associated with the licensed Psychiatric Technician who will include clients/patients of mental health disorders, personality disorders, substance abuser, and developmentally disabled. Students will be admitted based upon a date of special program application. Call (530) 741-6742 to request additional information regarding the program. Application is on the Yuba College, Psychiatric Technician website.

MINIMUM CRITERIA.
1. High School graduation or equivalent to high school.
2. Age of 18 years by first day of Fall semester.

PSYCHIATRIC TECHNOLOG (Certificate of Achievement)

Students who complete this program should be able to:
1. Accurately perform and document basic nursing skills, basic physical and medical assessments and interventions while prioritizing patient care.
2. Effectively participate in a therapeutic environment and communicate in a professional and respectful manner to both staff and clients.
3. Pass the California state board licensing examination as a psychiatric technician, after completing all required theory and clinical hours.

Prospective candidates will need to complete:
1. Language: recommended eligibility for English 1A.
2. Mathematics: recommended basic computer skills.
3. Other: Satisfactory completion of: PSYCT 55 Substance Abuse (specific regulations dependent on clinical site).

Units

First Semester
PSYCT 50 Anatomy and Physiology A ............................................. 5
PSYCT 52 Nursing Science A .................................................. 2
Second Semester
PSYCT 53 Developmental Disabilities A ................................... 5
HLTH 101 Principles of Nutrition ............................................ 3
PSYCT 56 Pharmacology A .................................................. 2
Summer
PSYCT 56 Nursing Science C ................................................ 6
Third Semester
PSYCT 57 Psychiatric Disorders A ........................................... 7
PSYCT 58 Group Process ...................................................... 2
PSYCT 59 Crisis Management ................................................ 2
PSYCT 60 Pharmacology B .................................................... 2
Fourth Semester
PSYCT 61 Substance Abuse .................................................. 2
PSYCT 62 Psychiatric Disorders B .......................................... 4
PSYCT 63 Developmental Disabilities B .................................. 6
Total units required .......................................................... 54
Completion/challenge/credit for the previously outlined courses will make the student eligible for licensure examination by the Board of Vocational Nursing and Psychiatric Technician Examiners following application. Students will receive a Certificate of Achievement.

PSYCT 50 Anatomy and Physiology 3 units 54 lecture hours

Introduction course providing a comprehensive overview of the normal structure and function of the human organism but not limited to: cell and tissue structure and function, organ and system differentiation and related terminology. Designed for the psychiatric technician student or equivalent. (L)

PSYCT 51 Human Development 3 units 54 lecture hours

Overview of normal human growth and development as a result of genetic inheritance and biologic conception to death. Includes but not limited to the following: identification of major theorists/theories, presentation of major milestones of growth and development associated with the chronologic age groups and subject related terminology. (L)

PSYCT 52 Nursing Science A 2 units 36 lecture hours

Overview and orientation to the nursing science, which includes the following: basic medical terminology, fundamental concepts relating to the health care systems, ethical and professional codes of conduct and overview of past, current, and future trends in the U.S. health care systems. (L)

PSYCT 53 Developmental Disabilities A 5 units 54 lecture hours, 108 lab hours

Other: Successful completion of all first semester Psych Tech courses. Conform to clinical agency rules and regulations, such as passing a criminal background check and drug screening (specific regulations dependent on clinical site).

Introductionductory overview of the five developmental disability subtypes: mental retardation, epilepsy, cerebral palsy, infantile autism and neurological handicapping. Also included will be instruction in MAB (Managing Assaultive Behavior) training designed to prepare the student to effectively manage assaultive behavior.

PSYCT 54 Nursing Science B 5 units 36 lecture hours, 162 lab hours

Other: Successful completion of all 1st semester classes in the Psych Tech program; Conform to clinical agency rules and regulations, such as passing a criminal background check and drug screening (specific regulations dependent on clinical site).

Overview of diseases and disorders in terms of diagnostic criteria, symptom presentations, system pathology, medical/nursing interventions and typical prognosis. Emphasis shall be on nursing interventions, special care needs, and patient related skills. Application of basic nursing skills associated with “long term care” patients. The clinical affiliation also includes a 40 hour practicum at the Yuba College Nursing Lab to include basic nursing care. Must be an accepted student in the Psychiatric Technician Program in order to take this course.

PSYCT 55 Substance Abuse 2 units 36 lecture hours

Introduction to the basic concepts associated with the field of substance related pharmacology. Includes a math review, computer application and review of specific drugs relating to addiction including drug classification. Course material shall be directly related to the clinical medical experience offered in the clinical portion of the program. (L, M)

PSYCT 56 Substance Abuse 36 lecture hours, 162 lab hours

Other: Successful completion of all 1st and 2nd semester classes, Maintain a clear background and urine toxicoology.

Overview of the medical-surgical nursing component of the program: includes all age groups, common diagnoses, nursing interventions and aspects of an acute care medical facility. In the application of this course, the students will apply nursing skills relating to the medical surgical patient within an acute care medical facility. This application of skills will involve various age groups, diagnoses, and health care needs.

PSYCT 57 Psychiatric Disorders A 36 lecture hours, 270 lab hours

Other: Successful completion of first semester, second semester, and summer PSYCT courses.

Overview of the major psychiatric disorders. Emphasis shall be on the following: psychiatric terminology, psychiatric disorders, symptoms, nursing interventions, treatment and typical prognosis. Application of psychiatric skills relating to patients in the acute care, day treatment and adult education components of the Yuba Yuba Mental Health Care System. Includes the following: application of therapeutic communication skills, medication administration, group process participation, observation of critical assessment, interdisciplinary team participation, and one-to-one observation.

PSYCT 58 Group Process 30 lecture hours

Overview of the therapeutic intervention known as group process as it relates to the developmentally disabled and psychiatric client. Includes the following: related terminology, group leader skills, goals of the group process and specific client behaviors. (L)

PSYCT 59 Crisis Management 2 units 36 lecture hours

Overview of the concept of “crisis” relating to an individual’s personal reaction to physical or psychological stressors. Includes but not limited to the following: recognition of stress response, specific adaptive responses, specific maladaptive response, the dynamics of grief “burnout and suicide.” (L)

PSYCT 60 Pharmacology B 36 lecture hours

Prerequisite: Satisfactory completion of: PSYCT 55 Other requirement: Medication calculations: Must be able to accurately calculate medical dosages prior to taking class.

Overview of the somatic therapies with emphasis upon the psychotropic medications as they relate to the psychiatric client. Includes but is not limited to the following major drug classes: antipsychotic, antidepressant, antianxiety, antimalarial and anticholinergic. (L, M)

PSYCT 61 Substance Abuse 2 units 36 lecture hours

Provides the historical overview of those drugs that are most commonly abused, or abused within the contemporary U.S. society. Makes a distinction between substance-use disorders and substance-induced disorders. All major drugs that have the potential for abuse and or misuse shall be presented in terms of the following: classifications, physical/psychological effects and dependency potential. (L)

PSYCT 62 Psychiatric Disorders B 4 units 36 lecture hours, 108 lab hours

Other: Students must have successfully completed all previous semester classes in the Psych Tech program.

Provides for the general orientation to the possible personality disorders as described in Axis II of the DSM-V. Emphasis shall be upon the defining criteria, interpersonal impact, social consequences and intervention techniques. This course will also have 108 hours in mental and developmental disabilities clinical placements.

PSYCT 63 Developmental Disabilities B 6 units 54 lecture hours, 108 lab hours

Other: Successful completion of all previous semester classes in the Psychiatric Technician Program

Provides for the general orientation to the application of the behavioral science known as “behavior intervention” as it applies to the mentally retarded population. Includes a summary of state and federal legislation for the developmentally disabled. Also includes a general preparation for the Board of Vocational Nurses and Psychiatric Technicians (BVNPTE) board examination. Provides for direct participation with the specific agency known as “Community Resource Services”. Students shall be assigned to CRS sites based on (2) four week clinical rotations.

2020-2021 Catalog
PSYCHOLOGY (Associate in Arts for Transfer)

The Associate in Arts in Psychology for Transfer degree is designed for students for transfer into the CSU system to complete a bachelor’s degree in Psychol- ogy. Psychology is the study of human thought, feelings, and behavior. Part of its appeal is the fact that it involves both scientific investigation and practical applications of those findings in everyday life. Yuba College Psychology courses offer a diverse program with several goals: 1) To expose students to the variety of sub-fields in psychology; 2) to engender knowledge of, and appreciation for, the spirit and nature of scientific inquiry; 3) to facilitate insight into oneself and increase knowledge of, and sensitivity to, others; 4) to introduce students to the basic body of knowledge, thus preparing them for further study in Psychology. Those pursuing psychology as a field of study will find many career options centering around helping others to understand, predict, and influence their own behavior and the behavior of others. Psychologists may teach, conduct research, perform psychological testing, or do consultation in a variety of settings which include hospitals, businesses, private practice, personnel offices, industry, colleges and universities. Training in Psychology provides a valuable foundation for professions wherein inter- personal interactions are a component of the work setting.

PSYCH 1A General Psychology 3 units

54 lecture hours

Transferable to CSU/UC

C-ID PSY 110

Psychology is the scientific study of behavior and mental processes. The content focuses on the exploration of major psychological theories and concepts, methods, and research findings in psychology. Topics include the biological bases of behavior, perception, cognition and consciousness, learning, memory, emotion, motivation, development, personality, social psychology, psychological disorders and therapeutic approaches, and applied psychology.

Required Courses Units

PSYCH 1A General Psychology 3
PSYCH 7 Research Methods in Psychology 3
Biology 10L General Biology 3
Mathematics 52B or equivalent 3
Psychology Electives (Choose one from the following, 3 units):

PHIL 12 Critical Thinking
ENGL 1C Critical Thinking/Advanced Composition OR
ENGL 1A Analytical Writing and Critical Thinking
ENGL 1D English Composition II

Total units required for degree major 20

Students earning an AA-T/AS-T degree must complete 60 semester units of coursework eligible for transfer to the CSU including the CSU GE or GEC (CSU version), all courses in the major with “C” or better grades, and achieve a minimum transferable cumulative GPA of 2.0.

Programs and Courses

Required Courses Units

PSYCH 1A General Psychology 3
PSYCH 7 Research Methods in Psychology 3
Biology 10L General Biology 3
Mathematics 52B or equivalent 3
Psychology Electives (Choose one from the following, 3 units):

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PSYCH 7 Research Methods in Psychology 3
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Programs and Courses

Required Courses Units

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PSYCH 7 Research Methods in Psychology 3
Biology 10L General Biology 3
Mathematics 52B or equivalent 3
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Programs and Courses

Required Courses Units

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PSYCH 7 Research Methods in Psychology 3
Biology 10L General Biology 3
Mathematics 52B or equivalent 3
Psychology Electives (Choose one from the following, 3 units):

PHIL 12 Critical Thinking
ENGL 1C Critical Thinking/Advanced Composition OR
ENGL 1A Analytical Writing and Critical Thinking
ENGL 1D English Composition II

Total units required for degree major 20

Students earning an AA-T/AS-T degree must complete 60 semester units of coursework eligible for transfer to the CSU including the CSU GE or GEC (CSU version), all courses in the major with “C” or better grades, and achieve a minimum transferable cumulative GPA of 2.0.
Programs and Courses

PSYCH 33  Personal and Social Adjustment  3 units
54 lecture hours Transferrable to CSU/UC
C-ID PSY 115

This course is designed with an applied focus for students interested in how psychology is used in everyday life and is related to other social sciences. The course surveys different psychological perspectives and theoretical foundations and how these are applied across a person’s life taking into account the influence of factors such as culture, gender, ethnicity, historical cohort, and socio-economic status. A broad understanding of how scientists, clinicians, and practitioners study and apply psychology is emphasized. This course is not open to students who have completed COURS 33.

PSYCH 41  Lifespan Development  3 units
54 lecture hours Transferrable to CSU/UC
C-ID PSY 180

Introduction to the scientific study of human development from conception to death. Examines the interplay of the biological, psychological, social and cultural influences on the developing conception to death. Examines the interplay of the biological, psychological, social, and cultural factors on the developing child. Examines the interplay of the biological, psychological, social, and cultural influences on the developing person from birth to death. Examines the interplay of the biological, psychological, social, and cultural influences on the developing person from birth to death. Examines the interplay of the biological, psychological, social, and cultural factors on the developing person from birth to death. Examines the interplay of the biological, psychological, social, and cultural influences on the developing person from birth to death. Examines the interplay of the biological, psychological, social, and cultural factors on the developing person from birth to death.

Radiologic Technology

Upon successful completion of this program, the student will receive an Associates of Science Degree and will be eligible to take the American Registry of Radiologic Technologist (ARRT) examination. Upon successful completion of the ARRT examination, the graduate will then be a Certified Radiologic Technologist (CRT) to work in the state of California.

The program is accredited by the State of California Department of Public Health, Radiologic Health Branch and the Joint Review Committee on Education in Radiologic Technology.

Enrollment is limited. Students should be aware that this is a high-unit program requiring a minimum of 66 units.

MINIMUM CRITERIA FOR ADMISSION.
1. High School graduate or equivalent.
2. Against age or older.
3. Successful completion of the following with a grade of "C" or higher:
   - BIOL 4 Human Anatomy
   - BIOL 5 Human Physiology
   - One Math or Statistics course with a Math 5 prerequisite
   - ENGL 1A College Composition and Reading
   - SPEECH 1 Public Speaking, SPEECH 7 Interpersonal Communication, or SPEECH 8 Intercultural Communication
   - One course from the local GE Area "A" Natural Science
   - One course from the local GE Area "B" Social Science
   - One course from the local GE Area "C" Humanities

NOTE: Courses may be transferred from another accredited college or university but must be equivalent to those listed above.

NOTE: All Yuba College General Education Requirements must be met before acceptance into the program.

4. All immunizations are complete with documentation of immunity (or non-conversion status).

*Please visit the Yuba College Radiologic Technology website for application and additional information: https://yc.yccd.edu/radtch*

Radiologic Technology (Associate in Science)

Student who complete this program will be able to:
1. Upon completion of the program, students will be able to employ critical thinking and problem solving skills.
2. Upon completion of the program, students will demonstrate the clinical competency of an entry level Radiologic Technologist.
3. Upon completion of the program, students will demonstrate appropriate workplace and patient communication skills.
4. Upon completion of the program, students will model professionalism and ethics.

Required Courses

<table>
<thead>
<tr>
<th>First Fall Semester</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADT 1 Fundamentals of Radiologic Sciences and Health Care</td>
<td>4</td>
</tr>
<tr>
<td>RADT 2 Radiation Physics and Equipment</td>
<td>4</td>
</tr>
<tr>
<td>RADT 3A Radiographic Procedures 1</td>
<td>3</td>
</tr>
<tr>
<td>RADT 6A Radiologic Technology Internship 1</td>
<td>5.5</td>
</tr>
<tr>
<td>First Spring Semester</td>
<td>Units</td>
</tr>
<tr>
<td>RADT 55 Introduction to Radiologic Sciences</td>
<td>1</td>
</tr>
<tr>
<td>First Summer Session</td>
<td>Units</td>
</tr>
<tr>
<td>RADT 6C Radiologic Technology Internship 3</td>
<td>7</td>
</tr>
</tbody>
</table>

Second Fall Semester

| RADT 3C Radiographic Procedures 3 | 3 |
| RADT 6D Radiologic Technology Internship 4 | 8 |
| RADT 7 Advanced Radiologic Studies | 1 |
| RADT 8 Radiographic Pathology and Image Critique | 2 |

Third Spring Semester

Second Fall Semester

| RADT 3D Radiographic Procedures 4 | 2 |
| RADT 9 Advanced Modalities | 2 |
| RADT 12 Radiologic Technology Board Review | 1.5 |
| RADT 6E Radiologic Technology Internship 5 | 8.5 |
| Second Spring Semester | Units |
| RADT 3B Radiographic Procedures 2 | 3 |
| RADT 4 Principles of Radiation: Physics, Biology & Protection | 2 |
| RADT 5 Principles of Radiation Exposure | 4 |
| RADT 6B Radiologic Technology Internship 2 | 4.5 |

Total units required for degree major | 66 |

Students earning an AAAS degree must complete a minimum of 18 units of General Education requirements, the multifaceted graduation requirement, and the health requirement, in addition to the program units listed here. Students must complete a total of 66 degree applicable units to earn a AAAS. Please see your counselor for additional information.

"Courses must be completed with a grade of "C" or better before or during the indicated semester to progress in the program.

Programs and Courses

RADT 1  Fundamentals of Radiologic Science and Health Care  4 units
72 lecture hours
Prerequisite: Satisfactory completion of: RADT 55; Other: Acceptance into the Radiologic Technology Program.
Transferable to CSU
Introduction to the field of Radiologic Technology. Basic imaging principles, patient diversity and care, the clinical environment, patient vital signs, and communication.

RADT 2  Radiation Physics and Equipment  4 units
72 lecture hours
Prerequisite: Satisfactory completion of: RADT 55; Other: Acceptance into the Radiologic Technology Program.
Transferable to CSU
Introduction to the field of Radiologic Technology. Basic imaging principles, patient diversity and care, the clinical environment, patient vital signs, and communication.

RADT 3A  Radiographic Procedures 1  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: RADT 55; Other: Acceptance into the Radiologic Technology Program.
Transferable to CSU
Knowledge and skills necessary to perform standard radiographic procedures that are of optimal diagnostic quality. Skills necessary for image critique. Areas studied: thorax, abdomen, pelvis and upper and lower extremities.

RADT 3B  Radiographic Procedures 2  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: RADT 55; RADT 3A; Other: Acceptance into the Radiologic Technology Program.
Transferable to CSU
Knowledge and skills necessary to perform standard radiographic procedures that are of optimal diagnostic quality. Skills necessary for image critique. Areas studied: spine, skull, facial bones. Trauma exams. Pediatric exams. Use of portable machine and radiography in the operating room.

RADT 3C  Radiographic Procedures 3  3 units
54 lecture hours
Prerequisite: Satisfactory completion of: RADT 55; RADT 3B; Other: Acceptance into the Radiologic Technology Program.
Transferable to CSU
Knowledge and skills necessary to perform standard radiographic procedures that are of optimal diagnostic quality. Skills necessary for image critique. Areas studied: spine, skull, facial bones. Trauma exams. Pediatric exams. Use of portable machine and radiography in the operating room.

RADT 3D  Radiographic Procedures 4  2 units
54 lecture hours
Prerequisite: Satisfactory completion of: RADT 55; RADT 3C; Other: Acceptance into the Radiologic Technology Program.
Transferable to CSU
Critical thinking skills, professionalism, and analysis of images needed to obtain the best radiographic image in various situations.
RADT 12  Radiologic Technology  1.5 units  Board Review  27 lecture hours  Prerequisite: Satisfactory completion of: RADT 55  Other: Acceptance into the Radiologic Technology Program. Transferable to CSU  Intensive review for the testing of the four (4) content areas tested by State of California Radiation Health Branch and the American Registry of Radiologic Technology: patient care, safety, image production, and procedures. Grades are P/NP.

RADT 55 Introduction to Radiologic  1 unit  Sciences  18 lecture hours  Prerequisite: Acceptance into the Radiologic Technology Program. Introduction to the field of Radiologic Sciences and expectations of the program. Refresher course for program prerequisites. Grades are P/NP option.

Other:

RADT 4 Principles of Radiation:  2 units  Physics, Biology and Protection  36 lecture hours  Prerequisite: Satisfactory completion of RADT 55  Other: Acceptance into Radiologic Technology Program. Transferable to CSU  Principles of radiation protection, including the responsibilities of the radiographer for patients, personnel and the public. Radiation health and safety requirements of federal and state regulatory agencies, accreditation agencies and health care organizations.

RADT 5 Principles Radiation  4 units  Exposure and Equipment  72 lecture hours  Prerequisite: Satisfactory completion of RADT 55  Other: Acceptance into Radiologic Technology Program. Transferable to CSU  Knowledge of factors that govern and influence the production of the radiographic image; digital radiography image production; and review, picture archiving and communication systems, DICOM, HL7.

RADT 6A Radiologic Technology  5.5 units  Internship 1  300 lab hours  Prerequisite: Satisfactory completion of RADT 55  Other: Acceptance into Radiologic Technology Program. Transferable to CSU  Beginning radiologic experience in clinical facilities under the supervision of the college instructor, staff technologists, and clinical instructors. Basic development of skills in correlation with current radiologic practices. Rotation in various facilities. Grades are P/NP only.

RADT 6B Radiologic Technology  4.5 units  Internship 2  260 lab hours  Prerequisite: Satisfactory completion of RADT 6A; RADT 5  Other: Acceptance into Radiologic Technology Program. Transferable to CSU  Beginning radiologic experience in clinical facilities under the supervision of the college instructor, staff technologists, and clinical instructors. Enhanced development of skills in correlation with current radiologic practices. Rotation in various facilities. Grades are P/NP option.

RADT 6C Radiologic Technology  7 units  Internship 3  390 lab hours  Prerequisite: Satisfactory completion of: RADT 55; RADT 6B  Other: Acceptance into the Radiologic Technology Program. Transferable to CSU  Intermediate radiologic experience in clinical facilities under the supervision of the college instructor, staff technologists, and clinical instructor. Increased development of skills in correlation with current radiologic practices. Rotation in various facilities. Grades are P/NP only.

RADT 6D Radiologic Technology  8 units  Internship 4  436 lab hours  Prerequisite: Satisfactory completion of: RADT 55; RADT 6C  Other: Acceptance into the Radiologic Technology Program. Transferable to CSU  Advanced radiologic experience in clinical facilities under the supervision of the college instructor, staff technologists, and radiologists. Development of enhanced skills in correlation with current radiologic practices. Rotation in various facilities. Grades are P/NP only.

RADT 6E Radiologic Technology  8.5 units  Internship 5  464 lab hours  Prerequisite: Satisfactory completion of: RADT 55; RADT 6D  Other: Acceptance into the Radiologic Technology Program. Transferable to CSU  Advanced radiologic experience in clinical facilities under supervision by college instructor, staff technologists and clinical instructors. Increased development of skills in correlation with current radiologic practices. Rotation in various medical facilities. Grades are P/NP only.

RADT 7 Ethics and Law in Imaging  1 unit  Sciences  18 lecture hours  Prerequisite: Satisfactory completion of: RADT 55  Other: Acceptance into the Radiologic Technology Program. Transferable to CSU  Ethics and law in the radiologic sciences; advanced understanding of professionalism as related to a radiologic technologist.

RADT 8 Radiographic Pathology  2 units  and Image Critique  36 lecture hours  Prerequisite: Satisfactory completion of: RADT 55  Other: Acceptance into the Radiologic Technology Program. Transferable to CSU  Injuries and abnormalities most frequently encountered in Radiologic Technology. Key anatomy and physiology principles, imaging considerations for each disease, and its radiographic appearance, signs and symptoms, and treatment.

RADT 9 Advanced Modalities  3 units  54 lecture hours  Other: Acceptance in Radiologic Technology Program. Transferable to CSU Computed tomography basics, cross-sectional anatomy, and advanced modalities in the field of Radiologic Technology.
Programs and Courses

Social Science

SOCIAL SCIENCE (Associate in Arts)

Students who complete this program should be able to:
1. Identify major theoretical orientations in the social and behavioral sciences
2. Describe and apply basic concepts regarding human behavior, society, and culture
3. Utilize the principles of social scientific methods to generate and evaluate hypotheses about human behavior and culture
4. Appreciate the diversity of human behaviors and cultures across time and space, as well as the more universal aspects of human experience.

Recommended Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ANTHR 1 Physical Anthropology CR</td>
<td>3</td>
</tr>
<tr>
<td>ECON 1A Elementary Economics-Macro</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1 Physical Geography CR</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 2 Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>POLSCL 1 Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 1A General Psychology CR</td>
<td>3</td>
</tr>
<tr>
<td>SOCIL 1 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Any History Class</td>
<td></td>
</tr>
</tbody>
</table>

Total units required for degree major: 18

Students earning an AAS degree must complete a minimum of 12 units of General Education requirements, the multicultural graduation requirement, and the health requirement, in addition to the program units listed above. Students must complete a total of 60 degree applicable units to earn an AAS or AS degree. Please see your counselor for additional information.

Sociology

SOCIOLOGY (Associate in Arts for Transfer)

Examines the social construction of categories of race and ethnicity in society. Focus on inequality and the impact of racial categorization on everyday life through institutions such as the labor market, schools, residential segregation, healthcare, media, and the criminal justice system.

Recommended Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCIL 5 Sociology of Race and Ethnicity</td>
<td>3</td>
</tr>
</tbody>
</table>

Total units required: 54

Sociology 1

Introduction to Sociology

3 units

SOCIL 1

Transferable to CSU/UC

C-ID SOCI 110

Basic principles and concepts of sociology including culture, socialization, organizations, institutions, stratification, collective behavior, and social change. (L)

SOCIL 2

Social Problems

3 units

Transferable to CSU/UC

C-ID SOCI 115

Survey of social problems in present-day American culture and application of sociological theory and analysis to issues such as poverty, racism, crime, healthcare, education, and the environment. (L)

Sociology 3

Sociology of Marriage and Family

3 units

SOCIL 10 Sociology of Marriage & Family

Transferable to CSU/UC

C-ID SOCI 120

Sociological analysis of the social construction of categories of race and ethnicity in society. Focus on inequality and the impact of racial categorization on everyday life through institutions such as the labor market, schools, residential segregation, healthcare, media, and the criminal justice system. (L)

SOCIL 5

Sociology of Race and Ethnicity

3 units

Transferable to CSU/UC

C-ID SOCI 150

Basic principles and concepts of sociology including culture, socialization, organizations, institutions, stratification, collective behavior, and social change. (L)

SOCIL 2

Social Problems

3 units

Transferable to CSU/UC

C-ID SOCI 115

Survey of social problems in present-day American culture and application of sociological theory and analysis to issues such as poverty, racism, crime, healthcare, education, and the environment. (L)
**Programs and Courses**

**Spanish**

**SPAN 1** Elementary Spanish 4 units

- **Part 1**
  - 72 lecture hours Transferrable to CSU/UC - UC Unit Limit
  - Introduction to the language and culture of the Spanish-speaking world. It includes the development of listening, speaking, reading and writing in Spanish with an emphasis on the communicative skills, as well as the fundamentals of Spanish grammar. This course is equivalent to one year high school Spanish. (L)

**SPAN 2** Elementary Spanish 4 units

- **Part 2**
  - 72 lecture hours Prerequisite: Satisfaction completion of: SPAN 1 or one year of high school Spanish or placement exam: students must score 70% or higher on a placement test administered by the Spanish Department.
    - Transferrable to CSU/UC - UC Unit Limit
    - A continuation of Spanish 1. Provides further basic communication skills through listening, speaking, reading and writing. This course introduces the present perfect, the ability to understand readings and writings in Spanish. Periodic exams and compositions. (L)

**SPAN 3** Intermediate Spanish 4 units

- **Part 1**
  - 72 lecture hours Prerequisite: Satisfaction completion of: SPAN 2 or two years of high school Spanish or placement exam: students must score 70% or higher on a placement test administered by the Spanish Department.
    - Transferrable to CSU/UC - UC Unit Limit
    - First of two semesters of Intermediate Spanish. This course provides immersion in communication skills through listening, speaking, reading, and writing in a cultural context with special emphasis on communication. (L)

**SPAN 4** Intermediate Spanish 4 units

- **Part 2**
  - 72 lecture hours Prerequisite: Satisfaction completion of: SPAN 3 or three years of high school Spanish or placement exam: students must score 70% or higher on a placement test administered by the Spanish Department.
    - Transferrable to CSU/UC - UC Unit Limit
    - This is a fourth semester in Spanish designed to review the grammar, vocabulary, and composition acquired in the first three semesters. Contextualized and culturally appropriate exercises and readings of modern texts in the history, art, geography, literature, and cultural values of the Hispanic peoples. The four language skills (listening, writing, reading, and speaking) are further developed through special emphasis on communication. (L)

**SPAN 10** Introduction to Spanish 3 units

- 54 lecture hours Transferrable to CSU
  - Study of elementary Spanish with an emphasis on proficiency. This course includes grammar, vocabulary, pronunciation, and communication.

**SPAN 20A** Spanish for Heritage Students 4 units

- 72 lecture hours
  - Other: Oral fluency in Spanish. In order to succeed in this course, students must possess oral fluency in Spanish and the ability to understand readings and writings in Spanish or by placement exam.
    - Transferrable to CSU/UC - UC Unit Limit
    - Speaking, reading and writing in Spanish, targeted to heritage students with oral fluency. Readings pertinent to the culture, history and literature of Hispanics in the United States, Latin America and Spain. Compositions exploring personal, political, and cultural issues, as well as an analysis of Spanish and Latin American literary pieces. Exploration of grammatical concepts and accentuation and spelling rules. Class is conducted entirely in Spanish. Periodic exams and compositions. (L)

**SPAN 20B** Spanish for Heritage Students 4 units

- 72 lecture hours
  - Prerequisite: Satisfaction completion of: SPAN 20A and fluency in Spanish.
    - Transferrable to CSU/UC - UC Unit Limit
    - This course, which is conducted in Spanish, is the second of a two-semester sequence designed for fluent speakers of Spanish who are proficient in the language, but who have had little or no formal language training. (L)

**SPAN 36** Literatura Hispano-Americanos 3 units

- 54 lecture hours Transferrable to CSU
  - Study of major works of Latin-American Literature. Readings, lectures and discussions of major works in Spanish by Colombian, Las Casas, Sor Juana Inés de la Cruz, Dario and others. Intended for Hispanic students and advanced Spanish students. Students who score should be able to read and participate in the class discussions in Spanish.

**Supplementary Courses:**

- **COMMUNICATION STUDIES** (Associate in Science)
  - Students who complete this program should be able to:
    1. Demonstrate the communication skills necessary to engage in personal, professional, civic, and social relationships.
    2. Demonstrate and apply critical thinking skills in a variety of communication studies contexts.

**Required Courses**

<table>
<thead>
<tr>
<th>Units</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>SPECH 1 Public Speaking</td>
</tr>
<tr>
<td>3</td>
<td>SPECH 2 Oral Interpretation of Literature</td>
</tr>
<tr>
<td>3</td>
<td>SPECH 3 Argumentation and Critical Thinking</td>
</tr>
</tbody>
</table>

**Communications Arts Workshop OR**

| 3     | SPECH 4R Speech Arts Workshop OR |

**MCOMM 2 Introduction to Mass Communications**

| 3     | MCOMM 3 Communication Studies |

**Speech**

<table>
<thead>
<tr>
<th>Units</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>SPECH 6 Small Group Communication</td>
</tr>
</tbody>
</table>

- **Part 2**
  - 72 lecture hours Transferrable to CSU
    - This is a fourth semester in Spanish designed to review the grammar, vocabulary, and composition acquired in the first three semesters. Contextualized and culturally appropriate exercises and readings of modern texts in the history, art, geography, literature, and cultural values of the Hispanic peoples. The four language skills (listening, writing, reading, and speaking) are further developed through special emphasis on communication. (L)

**2020-2021 Catalog**

- **SPECH 1** Public Speaking 3 units
  - Prerequisite: Satisfactory completion of: ENGL 51 or qualifying score on Placement Exam. Transferrable to CSU/UC
  - C-ID COMM 110
  - Principles of effective oral communication applied to several public speaking situations which emphasize the development of support and organization of ideas, audience analysis, public speaking anxiety, and effective delivery styles. (L)

- **SPECH 2** Oral Interpretation of Literature 3 units
  - 54 lecture hours
  - Prerequisite: Satisfactory completion of: ENGL 51
    - Transferrable to CSU/UC
    - C-ID COMM 170
    - Introduction to the analysis and interpretation of literature for oral reading. This course includes an appreciation of the experience of prose, poetry, and drama and enables the student to share the love of literature in the oral tradition.

- **SPECH 3** Argumentation and Critical Thinking 3 units
  - 54 lecture hours
  - Transferrable to CSU/UC
  - C-ID COMM 120
  - General approach to rational decision making and argumentative analysis including structuring written and oral arguments and rebuttals, gathering relevant evidence for arguments, and identifying logical fallacies. (L)

- **SPECH 4R** Speech Arts Workshop 3 units
  - 162 lab hours
  - Transferrable to CSU
  - Supervised preparation for participation in Inter-Collegiate Speech and Oral Interpretation events and/or for presentations at local school. Other: Repeatable three times only. (L)

- **SPECH 6** Small Group Communication 3 units
  - 54 lecture hours
  - Transferrable to CSU/UC
  - C-ID COMM 140
  - Study of communication theory in small group situations. Emphasis will be placed on researching, organizing, and delivering oral presentations. Investigation of the role of communication in various group processes, problem solving, leadership, team building, effective decision making and conflict. (L)

- **SPECH 7** Interpersonal Communication 3 units
  - 54 lecture hours
  - Transferrable to CSU/UC
  - C-ID COMM 130
  - Study of communication skills associated with establishing and maintaining satisfying interpersonal relationships. Various approaches to effective communication in multiple interpersonal contexts will be explored. Influences of interpersonal communication are analyzed, such as: language, perception, non-verbal, and communication climate. (L)
The study of intercultural communication theory relates to perception, context, language, verbal, nonverbal messages and adaptation. Emphasis will be placed on developing effective intercultural communication skills. Students will demonstrate effective intercultural communications skills by oral presentations, and group/interpersonal interactions. (L)

SPEECH 12 Multicultural Communication v,5-1 unit
9-18 lecture hours
Transferable to CSU
By attending the events organized/sponsored by Crossing Borders and Building Bridges, participants are expected to acquire effective intercultural communication skills by valuing differences through their acknowledgment and respect for diversity and multiculturalism. Grades are P/NP.

Statistics

STAT 1 Introduction to Statistical Methods 4 units
63 lecture hours, 27 lab hours
Prerequisite: MATH 52 or satisfactory score on Mathematics Placement test.
Transferable to CSU/UC
C-ID SOCI 125 and MATH 110
The use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications using data from disciplines including business, social sciences, psychology, life science, health science, and education. Grades are P/NP option. (L)

STAT 100 Algebra Support for Elementary Statistics 2 units
36 lecture hours
Corequisite: Current enrollment or satisfactory completion of STAT 1
A review of prerequisite skills, competencies, and concepts needed in statistics. Intended for students who are concurrently enrolled in STAT 1 Introduction to Statistical Methods, at Yuba College. Topics include concepts from elementary and intermediate algebra that are needed to understand the basics of college-level statistics. Concepts are taught in the context of statistical analysis. Grades are P/NP only.

The Theatre Arts Department provides a safe and inclusive environment for students to explore performance, and prepare them to succeed in their academic, career, and lifelong learning goals. Course offerings include introductory classes in theatre and film, which satisfy general education and transfer requirements, as well as advanced classes to prepare them for transfer and an opportunity to earn an AA transfer degree in Theatre. Courses are integrated around the central ideas of collaboration, individual responsibility, student-centered learning, open and respectful dialogue, and practical application of theory and skills. Work in acting technique, design, costing, makeup, lighting, technical production, and other crafts are taught in theory and practice resulting in public performances of a variety of plays and musicals.

THEATRE ARTS (Associate in Arts for Transfer)
Students who complete this program should be able to:
1. Effectively use language, communicate their ideas, and creatively express themselves through the application of theatrical skills.
2. Identify theatrical challenges, production needs, and potential problems; research, formulate, and construct creative solutions; and execute an achievable plan using appropriate tools, theories, and techniques.
3. Select appropriate acting techniques and apply technical skills, imagination, and script analysis toward the creation of a live or recorded performance.
4. Demonstrate the ability to work as an ensemble member of a theatre company by meeting professional expectations, following safe production practices and respecting the opinions, feelings, and values of others.
5. Identify similarities and differences among cultures, times, and environments expressed through dramatic texts, films, and live performances.
6. Analyze and evaluate dramatic texts and performances in terms of their technical skills, artistic objectives, and their historical and cultural significance.

Required Courses (9 Units Required) Units
THART 10 Introduction to Theatre 3
THART 11A Introduction to Acting 3
THART 29R College Theatre 1-3
THART 30 Technical Theatre in Production 3

A minimum of nine units from List A course Selection:
THART 11B Introduction to Acting II 3
THART 45A Stagecraft I 3
THART 45B Production and Technical Theatre I 3
THART 45C Production and Technical Theatre II 3
THART 30 Technical Theatre in Production 3
THART 29R College Theatre 1-3

Total units required for degree major: 18

Students earning an AA/AS degree must complete a minimum of 18 units of General Education requirements, the multicultural graduation requirement, and the health requirement, in addition to the program units listed here. Students must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

THART 10 Introduction to Theatre 3 units
54 lecture hours
Transferable to CSU/UC
C-ID THRT 11
This course introduces students to theatre arts, including the production process, playwriting, acting, directing, producing, managing, criticism and the relationships between theatre and society. Students survey different periods, styles, genres, and theatre practice through play reading, discussion, films, and viewing and critiquing live theatre performance to develop an understanding of theatre as a collaborative art form. Further, the course explores the relationship of theatre to various cultures, to TV and film, and to other arts and humanities. Grades are P/NP option. (L)

THART 11A Introduction to Acting I 3 units
45 lecture hours, 27 lab hours
Transferable to CSU/UC
C-ID THRT 11F
This course prepares students to apply basic acting theory to performance and develops the skills of interpretation of drama through acting. Special attention is paid to skills for performance, such as memorization, stage movement, vocal production, diction, improvisational technique, characterization, scene study, and interpretation of text. Several monologues and scenes will be developed and presented in class.
THART 11B Introduction to Acting II  3 units 45 lecture hours, 27 lab hours Prerequisite: Satisfactory completion of THART 11A. Transferable to CSU/UC
C-ID THTR 152

This course continues Introduction to Acting I (THART 11A), further developing the students’ understanding of theories and techniques used in the interpretation of drama through acting. The emphasis will be placed on deepening the understanding of the acting process through character analysis, monologues, scenes, pantomime, stage movement, imagination, improvisation, and verse study. Increased emphasis is also placed on acting in more complex scenes and plays. Students will engage in in-depth scenic analysis of classical plays. Grades are P/NP option.

THART 12A Intermediate Studies in Acting I  3 units 45 lecture hours, 27 lab hours Prerequisite: Satisfactory completion of THART 11A or THART 26 or THART 29R or audition based prerequisite challenge is allowed. Students are to have the skills and experience through previous stage performance may audition/interview, with instructor and with dean’s approval may enter the class. Transferable to CSU/UC

This course covers the application of intermediate acting theories and techniques. It includes analyzing and performing scripts from realistic and stylized drama, audition monologues, scenes, and complex acting exercises. Intermediate development of acting skills including improvisation, craft, vocal production, interpretation, auditioning, stage movement, and character analysis. Participation in an acting showcase, one-act play, or full-length play at end of semester is required. Field trips and/or attendance of live performances may be required. Grades are P/NP option.

THART 12B Intermediate Studies in Acting II  3 units 45 lecture hours, 27 lab hours Prerequisite: Satisfactory completion of THART 12A. Transferable to CSU/UC
THART 11B—Introduction to Acting II
THART 11A—Introduction to Acting

THART 12B furthers mastery of intermediate acting theories and techniques. Students will analyze and perform realistic, stylized and classical texts as well as devised theatre. Students will prepare a capstone audition portfolio to prepare them for auditions. Students will work on more complex scenes and further refine their skills through higher level acting exercises. The course covers intermediate methods, improvisation, craft, vocal production, interpretation, auditioning, stage movement and character analysis. Participation in an actor showcase, one-act, or full-length play at the end of the semester is required. Field trips and/or attendance of live performances may be required. Grades are P/NP option.

THART 26 Musical Theatre Workshop  3 units 162 lab hours Conditions of Enrollment: Audition: THART 26 is an intensive course designed to prepare Music and Theatre Arts majors for careers in acting, musical performance, and/or performance production. In order to be fully successful in this course, students should already possess some knowledge of theatre technique and production. Transferable to CSU
C-ID THTR 191

This course provides instruction and supervised participation in theatre rehearsal and performance including acting, directing, design, and technical work, culminating in a theatre production. While students will select from various periods and styles. Other, Repeatable three times only. Grades are P/NP option.

THART 29R College Theatre v-1 units 54-162 lab hours Conditions of Enrollment: Audition: THART 29 is an intensive course designed to prepare Theatre Arts majors for careers in acting and/or performance production. In order to be fully successful in this course, students should already possess some knowledge of theatre technique and performance and production. Transferable to CSU/UC
C-ID THTR 192

C-ID THTR 172

Students will be offered a survey of scenery, lighting, sound, costumes, makeup, properties, theatrical equipment and construction techniques through demonstration and laboratory experience. Information is applicable to all formats theatrical applications. The course will introduce best practices for, terminology, and organization of contemporary theatre technology. Students will participate in exercises in construction and implementation of all technical aspects of production (sets, lighting, sound, costumes, properties, stage management, make-up). Grades are P/NP option.

THART 45A Stagecraft I  3 units 36 lecture hours, 54 lab hours Transferable to CSU/UC
C-ID THTR 171
Practices, terminology, and organization of contemporary theatre technology; exercises in construction and implementation of all technical aspects of production (sets, lighting, sound, costumes, properties, stage management, make-up). Integrated with Yuba College production programs.

THART 45B Production and Technical Theatre I  3 units 36 lecture hours, 54 lab hours Transferable to CSU/UC
C-ID THTR 172

THART 45C Production and Technical Theatre II  3 units 36 lecture hours, 54 lab hours Transferable to CSU
C-ID THTR 173

THART 45B—Production and Technical Theatre I
THART 45C—Production and Technical Theatre II

This course covers the application of intermediate acting theories and techniques. It includes analyzing and performing scripts from realistic and stylized drama, audition monologues, scenes, and complex acting exercises. Intermediate development of acting skills including improvisation, craft, vocal production, interpretation, auditioning, stage movement, and character analysis. Participation in an acting showcase, one-act play, or full-length play at end of semester is required. Field trips and/or attendance of live performances may be required. Grades are P/NP option.

THART 34 Introduction to Film  3 units 54 lecture hours Transferable to CSU/UC
Study of film as art and its influence on society, including interpretation, criticism, and technical developments; students view and discuss full-length feature films. Not open for credit to students with credit in ENGL 34 or HUMAN 34. (L)

THART 45A Stagecraft I  3 units 36 lecture hours, 54 lab hours Transferable to CSU/UC
C-ID THTR 171

Conditions of Enrollment: Audition/interview required. Transferable to CSU
C-ID THTR 192

Practical experience in the application of production responsibilities in the following: stage management, construction, scenery, properties, lighting, sound and running crews. Grades are P/NP option.

THART 32 Film Studies: Focus on ...  3 units 54 lecture hours Transferable to CSU/UC
Study of a particular director/artist, genre, or national cinema. Students view and discuss full-length feature films; topic to be specified in class schedule. Grades are P/NP option. (L)

THART 33 History of Film  3 units 54 lecture hours Transferable to CSU/UC
Survey of the motion picture history: traces the development of the art, technology, and social importance of film during the last 125 years; screenings of significant and representative documentary and experimental films from the silent to the modern era. Not open to students with credit in ENGL 33 or HUM 33. Grades are P/NP option.

THART 26 Musical Theatre Workshop  3 units 162 lab hours Conditions of Enrollment: Audition: THART 26 is an intensive course designed to prepare Music and Theatre Arts majors for careers in acting, musical performance, and/or performance production. In order to be fully successful in this course, students should already possess some knowledge of theatre technique and production. Transferable to CSU
C-ID THTR 191

THART 34—Introduction to Film
THART 45A—Stagecraft I
THART 45B—Production and Technical Theatre I
THART 45C—Production and Technical Theatre II

This course continues Introduction to Acting I (THART 11A), further developing the students’ understanding of theories and techniques used in the interpretation of drama through acting. The emphasis will be placed on deepening the understanding of the acting process through character analysis, monologues, scenes, pantomime, stage movement, imagination, improvisation, and verse study. Increased emphasis is also placed on acting in more complex scenes and plays. Students will engage in in-depth scenic analysis of classical plays. Grades are P/NP option.
Programs and Courses

Veterinary Technology

Accredited by the American Veterinary Medical Association, Yuba College offers an Associate of Science Degree Program in Veterinary Technology. The Program is a full-time course of study that can be completed in two years or extended by completing the General Education, Science and other general education courses prior to admission into the veterinary technology sequence. The latter format is highly recommended. Graduates of the Veterinary Technology Program are eligible to take the California State and National licensing examinations to become a Registered Veterinary Technician. Additionally, the Veterinary Technology Program offers two on-line Certificate of Achievement programs in Veterinary Assisting; Receptorist and Veterinary Public Health and Food Safety, plus an on-line training programs in Shelter Medicine, Laboratory Animal Medicine, and Large Animal Care and Management.

Admission Requirements: Selection of candidates for entry into the Veterinary Technology Program occurs each spring. A completed Veterinary Technology Program application and college transcripts must be received by the Veterinary Technology Program administra- tor prior to May 15th in order to be eligible for entrance in the subsequent fall semester. The Program starts a new class each fall semester. The Veterinary Technology Program application may be printed from the Program's website: http://www.yccd.edu/vettech. General application to Yuba College does not imply acceptance into the Veterinary Technology Program. Qualified applicants will be notified of their preliminary acceptance into the Program by June 1st. Attendance at the Program Orientation is mandatory for all students prior to admission into the Veterinary Technology Program. Program Orientation is a mandatory requirement before final acceptance of a candidate. This Orientation, held on a Saturday in June, is a one day exploration into the teaching formats, academic and physical demands, and dexterity requirements that the Veterinary Technology Program students are expected to encounter (http://vettech.yccd.edu/orientation.aspx).

Costs: In addition to the expenses of regularly enrolled students (e.g., living costs, activity fees, books, tuition), Veterinary Technology Program students have the additional requirements of uniforms, drug screening, E-Value 10 student informatics system, and radiation monitoring equipment. All Veterinary Technology Program students are eligible for grants and loans available to any Yuba College student meeting expected criteria. http://vettech.yccd.edu/course-materials.aspx

Drug Policy: All students enrolled in the Veterinary Technology Program are subject to the drug policy, which is a part of the Student Code of Conduct. Violation of this policy may result in denial of admission or dismissal from the Program. The policy is outlined in the Student Handbook as well as in the Veterinary Technology Program Policy Handbook found on the Program’s website (www.yccd.edu/yuba/vettech).

Computer Policy: Students are required to complete many assignments and testing utilizing computers. Students will need an e-mail address that they check daily in order to receive important course information. Additionally, our program utilizes computerized records and billing procedures; therefore, it is strongly recommended that students entering the Veterinary Technology Program study computer literate and have access to a reliable internet connection.

Other Requirements: Students in the Veterinary Technology Program are required to complete two on-line training internships specific to each individual facility utilized by the Program. These training hours are mandatory and in addition to required individual course hours. Travel will be required of all students.

Prerequisite Course Requirements: Due to the demanding nature of the Program, it is recommended that the prospective student complete as many courses as possible of the general science and general education requirements for the Associate in Science degree prior to admission to the Veterinary Technology Program. Additionally eight hours of verifiable veterinary practice observation in a clinical setting must be completed prior to submission of application.

Prerequisite courses VETT 91 (Veterinary Assisting), BIOL 15 (Bioscience) and CHEM 10 (Concepts of Chemistry) or equivalent course college level equivalents MUST be completed with a grade of "C" or better PRIOR to submission of an application for enrollment into the Veterinary Technology Program. Additionally, it is strongly recommended that the MDCOMM/ EDUC 45, "Introduction to Online Learning" course be completed prior to Program admission to ensure optimal learning in our Veterinary Technology online courses.

Should the number of qualified applicants exceed the number of available spaces in a given class, a wait list process will be utilized to establish entrance priority. For more specific information contact the Veterinary Technology Program Administrator at 530-741-6962 or vettech@yccd.edu.

Program Progression: The Veterinary Technology Program is a full-time course of study with each class building on preceding veterinary technology courses. Therefore, all required courses must be taken in the sequence listed below. All classes will be taught at the Yuba College campus in Marysville although some large animal courses may be offered on-line via the Internet. Veterinary facilities in several counties are utilized for the clinical internships portion of the Program. Students may expect some degree of travel of all students while pursuing their veterinary technology education.

VETERINARY TECHNOLOGY (Associate in Science)

http://vettech.yccd.edu/as-degree.aspx

Admission Requirements: The minimum units needed are required for the degree -- See graduation information.

Students who complete this program should be able to:

1. Develop the critical thinking skills when confronted with issues and problems in veterinary medical practice.
2. Display behavior consistent with the highest professional ethics to foster personal growth and civic responsibility.
3. Demonstrate and exhibit accuracy, restraint and handling of animals to include an understanding of abnormal and abnormal life processes and the diagnostic, medical, and surgical techniques needed to enhance and preserve human and animal health.

Required Courses

<table>
<thead>
<tr>
<th>First Semester (fall)</th>
<th>Units</th>
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<tbody>
<tr>
<td>VETT 1 Introduction to Veterinary Technology</td>
<td>3</td>
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<tr>
<td>VETT 4 Clinical Laboratory Techniques</td>
<td>3</td>
</tr>
<tr>
<td>VETT 7 Veterinary Business Management</td>
<td>3</td>
</tr>
<tr>
<td>VETT 8 Anatomy and Histology</td>
<td>3</td>
</tr>
<tr>
<td>VETT 55 Veterinary Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>Second Semester (spring)</td>
<td>Units</td>
</tr>
<tr>
<td>VETT 2 Veterinary Anatomy Laboratory</td>
<td>3</td>
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<tr>
<td>VETT 3 Pharmacology for Veterinarians</td>
<td>3</td>
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<tr>
<td>VETT 5 Veterinary Technology Internship</td>
<td>3</td>
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<tr>
<td>VETT 56 Shelter Medicine</td>
<td>3</td>
</tr>
<tr>
<td>Third Semester (summer)</td>
<td>Units</td>
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<tr>
<td>VETT 5 Veterinary Technology Internship</td>
<td>3</td>
</tr>
<tr>
<td>VETT 16 Professional Development Seminar</td>
<td>3</td>
</tr>
<tr>
<td>VETT 12 Introduction to Veterinary Medical Math</td>
<td>2</td>
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<tr>
<td>Fourth Semester (fall)</td>
<td>Units</td>
</tr>
<tr>
<td>VETT 5 Veterinary Technology Internship</td>
<td>3</td>
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<tr>
<td>VETT 13 Introduction to Animal Behavior</td>
<td>3</td>
</tr>
<tr>
<td>VETT 8 Large Animal Medicine and Nursing</td>
<td>3</td>
</tr>
<tr>
<td>VETT 53A Veterinary Surgical Nursing and Anesthesia</td>
<td>4</td>
</tr>
<tr>
<td>VETT 53B Veterinary Imaging Diagnostic Imaging</td>
<td>2</td>
</tr>
<tr>
<td>VETT 54 Public Health &amp; Infectious Disease</td>
<td>3</td>
</tr>
<tr>
<td>VETT 56 Veterinary Technology Board Review</td>
<td>2</td>
</tr>
<tr>
<td>Minimum units for degree major</td>
<td>62</td>
</tr>
</tbody>
</table>

Prerequisite: To progress through the Associate Degree in Veterinary Technology, all courses must be passed with a grade of "C" or better. The Health/Physical Education and Multi-Cultural Education requirements are satisfied by completion of the Veterinary Technology Program. Students who complete this program must complete a total of 60 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

Program Student Individualization: Individualization within veterinary technology is common today thereby improving post-graduation employment opportunities. Yuba College graduates may want to customize their studies in one or more areas of their own interest. Credit will not be noted on the transcript and are only provided to enhance academic preparation and employment opportunities. However, the Veterinary Technology Program issues an Emphasis’ completion award to the student. http://vettech.yccd.edu/program-curriculum.aspx. The following Veterinary Technology Program individualizations are currently available to our students:

- Business Management Option: Completion of VETT 7 Veterinary Business Applications, VETT 52 Human Animal Bond, VETT 57 Animals and Society, and completion and submission of an original business management research project, and at least 4 units of VETT 5 as a clinic business management internship.
- Dental Option: Completion of VETT 52 Human Animal Bond, VETT 53D Principles of Veterinary Dentistry, VETT 57 Animals and Society,坳and submission of an original veterinary dentistry research project, and at least 4 units of VETT 5 as a dental specialty internship.
- Exotic Animal/Wildlife Option: Completion of VETT 10 Exotic and Wildlife Medicine, VETT 52 Human Animal Bond, VETT 57 Animals and Society, and submission of an original exotic wildlife research project, and at least 4 units of VETT 5 as a wildlife and/or exotic animal internship.
- Laboratory Animal Option: Completion of VETT 5 Laboratory Animal Medicine, VETT 15 Advanced Laboratory Animal Medicine, VETT 57 Animals and Society, American Association for Laboratory Animal Science (AAALAC) certification, completion and submission of an original laboratory animal research project, and at least 4 units of VETT 5 as a laboratory animal internship.
- Laboratory Diagnostics Option: Completion of VETT 4 Laboratory Animal Medicine, VETT 52 Human Animal Bond, VETT 57 Animals and Society, and completion and submission of an original veterinary diagnostic research project, and at least 4 units of VETT 5 as a veterinary diagnostics internship.
- Large Animal Option: Completion of VETT 8 Large Animal Medicine and Nursing, VETT 14 Equine Management and Reproduction, VETT 52 Human Animal Bond, VETT 57 Animals and Society, and completion and submission of an original large animal research project, and at least 4 units of VETT 5 as a large animal internship.
- Public Health Option: Completion of VETT 52 Human Animal Bond, VETT 53D Principles of Veterinary Dentistry, VETT 54 Public Health & Infectious Disease, VETT 56 Veterinary Technology Board Review, and at least 4 units of VETT 5 as a public health or hygiene internship.
- Veterinary Medicine Option: Completion of VETT 52 Human Animal Bond, VETT 56 Shelter Medicine, VETT 57 Animals and Society, and completion and submission of an original shelter medicine research project, and at least 4 units of VETT 5 as a shelter medicine internship.


206

2020-2021 Catalog

207
VETERINARY ASSISTANT/RECEPTIONIST (Certificate of Achievement)

Students who complete this program will be able to:
1. Apply critical thinking skills when confronted with issues and problems in veterinary medical practice.
2. Display behavior consistent with the highest professional ethics to foster personal growth and civic responsibility.
3. Demonstrate competence in the husbandry, restraint, and handling of animals to include knowledge of normal and abnormal life processes and the common medical procedures performed in veterinary medical practice.

Required Core Courses

VETT 5 Veterinary Technology Internship
VETT 6 Veterinary Workplace Safety
VETT 7 Veterinary Business Applications
VETT 55 Veterinary Medical Terminology
VETT 91 Veterinary Assisting

Plus three units from the following:
AG 11 Agricultural Accounting
AG 21 Principles of Animal Science
AG 45 Principles of Animal Science
AG 55 Principles of Animal Science
AG 101, 102 General Biology
GNBUS 52 Business English
VETT 8 Large Animal Medicine and Nursing
VETT 9 Laboratory Animal Medicine
VETT 10 Exotic and Wildlife Medicine
VETT 12 Introduction to Veterinary Medical Math
VETT 14 Veterinary Management of Equine Reproduction
VETT 52 Human Animal Bond
VETT 54 Public Health & Infectious Disease
VETT 56 Shelter Medicine

Total units required: 36

Admission to the Veterinary Technology Program. This is a transferable program. Prior to beginning this introductory course, general education courses are provided to prepare students for the necessary background in science and math to succeed in the Veterinary Technology Program. This course introduces the first year Veterinary Technology student to the diverse field of veterinary technology. Emphasis on career paths, legal requirements, ethics, animal breeds, patient exams, and medical records. Multiple species will be covered and students will engage in hands-on care of all VT Program animals on a repeating basis throughout the semester. (L,M,C)

VETT 1 Introduction to Veterinary Technology
54 lecture hours

Other Admission to the Veterinary Technology Program. This is the introductory course to the Veterinary Technology Program. Students must submit an application and be formally accepted into the VTP Program prior to beginning this introductory course.

Transferable to CSU

This course introduces the first year Veterinary Technology student to the diverse field of veterinary technology. Emphasis on career paths, legal requirements, ethics, animal breeds, patient exams, and medical records. Multiple species will be covered and students will engage in hands-on care of all VT Program animals on a repeating basis throughout the semester. (L,M,C)

VETT 2 Veterinary Physiology and Anatomy
54 lecture hours
Prerequisite: Satisfactory completion of: VETT 4 Transferable to CSU

Gross anatomy and physiology of domestic animals. Includes the study of body systems such as skeletal, muscular, integumentary, respiratory, nervous, circulatory, excretory, reproductive, endocrine and digestive. Also includes physiological principles of certain pathological problems and surgical conditions. Application of normal physiology as it pertains to anatomy, animal health and disease. (L,M,C)

VETT 2A Veterinary Anatomy
18 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: VETT 1 and VETT 4 Transferable to CSU

Gross anatomy of domestic animals. This laboratory course will introduce the veterinary technology student to basic anatomical and directional terms common to veterinary medical practice as well as coverage of the skeletal, integumentary, cardiovascular, digestive, excretory, reproductive, endocrine, and nervous systems and the special sense organs. The structure and function of the animal body as well as discussion of the similarities and differences among domestic animal species is included. (L,C)

VETT 3 Pharmacology for Veterinary Technicians
3 units

Prerequisite: Satisfactory completion of: VETT 91 Transferable to CSU

Concepts of veterinary anesthesia and pharmacology to include agents used as pre-anesthetics, induction agents, and general anesthesia. The physiological impacts of anesthesia on the body, patient prep, high-risk patients and complications. Pharmacokinetics in animals, principles and mechanism of drug action, drug types and legal requirements. (L,M)

VETT 4 Clinical Laboratory Techniques
36 lecture hours, 54 lab hours
Other Conditions: Admission to VET TECH Program. Transferable to CSU

Studies of the laboratory techniques and procedures employed in evaluating clinical diagnostic samples. Emphasis will be placed on procedures common to veterinary medicine including hematology, serum chemistry, urinalysis, cytology, immunology, parasitology and microbiology. Topics include: the blood and proper collection of diverse samples, microbial culturing, methods of sample analysis, and the significance of normal and abnormal results. (L,M)

VETT 5A Veterinary Technology Internship A
1-4 units
Prerequisite: Satisfactory completion of: VETT 91 Transferable to CSU

Introduction to the application of veterinary technology procedures at off-campus internship sites under direct supervision of a veterinarian or a registered veterinary technician. Internship sites include veterinary hospitals and clinics, research, and shelters. Rotation through various facilities is required. Application clinical application of anatomy and physiology, interpersonal skills and team building. (L,M,C)

VETT 5B Veterinary Technology Internship B
1-4 units
Prerequisite: Satisfactory completion of: VETT 91 Transferable to CSU

Introduction to the application of veterinary technology procedures at off-campus internship sites under direct supervision of a veterinarian or a registered veterinary technician. Internship sites include veterinary hospitals and clinics, research, and shelters. Rotation through various facilities is required. Application clinical application of anatomy and physiology, interpersonal skills and team building. (L,M,C)

VETT 5C Veterinary Technology Internship C
1-4 units
Prerequisite: Satisfactory completion of: VETT 91 Transferable to CSU

Introduction to the application of veterinary technology procedures at off-campus internship sites under direct supervision of a veterinarian or a registered veterinary technician. Internship sites include veterinary hospitals and clinics, research, and shelters. Rotation through various facilities is required. Application clinical application of anatomy and physiology, interpersonal skills and team building. (L,M,C)

VETT 5D Veterinary Technology Internship D
1-4 units
Prerequisite: Satisfactory completion of: VETT 91 Transferable to CSU

Introduction to the application of veterinary technology procedures at off-campus internship sites under direct supervision of a veterinarian or a registered veterinary technician. Internship sites include veterinary hospitals and clinics, research, and shelters. Rotation through various facilities is required. Application clinical application of anatomy and physiology, interpersonal skills and team building. (L,M,C)
**Programs and Courses**

VETT 6    Veterinary Workplace Safety 3 units
54 lecture hours
Transferable to CSU
This course introduces the student to fundamental concepts of occupational health and safety including the science behind OSHA regulations, effective hazard assessment, and components of an effective safety program. Specific safety issues unique to veterinary medicine will be covered. (L)

VETT 7    Veterinary Business Management 3 units
54 lecture hours
Transferable to CSU
Introduction to the first-year Veterinary Technology student to veterinary practice management. Standard office procedures with an emphasis in client relations, education, practice management and computer skills. Ethics in veterinary medicine as well as state and federal regulations governing veterinary practice management. (L,M)

VETT 8    Large Animal Care and Nursing 3 units
54 lecture hours
Transferable to CSU
Principles of large animal medicine, surgical nursing and equine field service including performance of a complete physical examination, acquisition of a medical history, animal restraint, clinical aspects of reproductive management, knowledge of various diagnostic and therapeutic procedures, laboratory sample collection, bandaging, and emergency treatment. Additional surgical, anesthesia and critical care procedures and instruments, herd health, economics, and lameness topics for equine and livestock will be covered. (L,M,L)

VETT 9    Laboratory Animal Medicine 3 units
54 lecture hours
Transferable to veterinary laboratory animal medicine. Survey of feeding, common management practices, and care of laboratory animals in a clinical setting. Appropriate methods of animal handling, restraint, management practices, research techniques, husbandry, nursing, care and observation of laboratory species will be emphasized. Students will learn about guidelines, regulations, and legislation governing the use of animals in research. This course will provide information and handling skills which will help the student prepare for AALAS certification. (L)

VETT 10    Exotic and Wildlife Medicine 3 units
54 lecture hours
Transferable to CSU
An overview of fundamentals of avian, exotic and wildlife husbandry, physiology, management, and medicine; includes appropriate methods of animal handling, restraint, husbandry, care and observation of exotic and wild species. (L)

VETT 11    Veterinary Emergency and Critical Care 3 units
54 lecture hours
Transferable to CSU
Emphasizes the theoretical and practical aspects of assisting the veterinarian in the management of medical and traumatic emergencies. Recognition and assessment of cardiovascular shock, respiratory crisis, gastrointestinal emergency and musculoskeletal trauma. (L,M)

VETT 12    Intro to Veterinary Medical Math 2 units
36 lecture hours
Transferable to CSU
Applied mathematics as a fundamental communication and technical skill. Review of calculations involving decimals, ratios, fractions and unit conversions as utilized in medical practice for dosage determinations, administration of drugs, prescriptions and intravenous fluid infusion. Course includes analysis of written word problems and real-world case scenarios relevant to veterinary medical practice. (L,M,C)

VETT 16    Professional Development Seminar 1 unit
18 lecture hours
Transferable to CSU
Introduction to the various professional skills needed for career building and professional development. The course will cover the differences between having a job and managing a career as well as how to link skills from an old job to a new one. Students will learn the basics of résumé construction, how to locate jobs, and how to interview successfully. Grades are IP/NP. (L,M)

VETT 18    Food Safety and Security 3 units
54 lecture hours
Transferable to CSU
Food safety is an important component of public health. This course presents the basic principles and practice of food safety. Topics include food microbiology, sanitation, hazard analysis and critical control points (HACCP), toxins, allergens and food defense. Aligned with International HACCP Alliance requirements, students who complete this course will be prepared for entry-level HACCP certification. (L)

VETT 52    Human-Animal Bond 3 units
54 lecture hours
Transferable to CSU
Using both anthropological and sociological perspectives, the course explores the unique social relationship humans share with other animals. Students explore the mutual impact humans and animals have on each other over time and across cultures. Learners will critically evaluate the social construction of attitudes towards animals and how these values influence human-animal interactions. (L)

VETT 53A    Veterinary Surgical Nursing and Anesthesia 4 units
36 lecture hours, 108 lab hours
Prerequisite: Satisfactory completion of: VETT 1 or VETT 4, VETT 2 and VETT 25
Principles and techniques involving surgery and anesthesia. Includes preparation and identification of surgical instruments and equipment, routine surgical procedures, anesthesia induction and monitoring, post-surgical care, clean up and surgical record keeping. Multiple species will be covered and students will participate in hands-on care of VT Program animals throughout the semester. Completion of a Capstone Project proposal is required. (L,M,C)

VETT 53B    Veterinary Diagnostic Imaging 2 units
18 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: VETT 1 or VETT 4, VETT 2 and VETT 25
Principles and techniques of radiographic imaging. Includes the production of x-rays, radiographic equipment, safety management, and radiographic quality. Also includes diagnostic radiographs and ultrasonography, positioning of patients, darkroom techniques and x-ray processing. (L,M,C)

VETT 53C    Advanced Veterinary Nursing Techniques 4 units
36 lecture hours, 108 lab hours
Prerequisite: Satisfactory completion of: VETT 53A and 53B
Principles and techniques involving veterinary nursing. Emphasis on venipuncture, catherization, fluid therapy, pressure wound care, nutrition and care of large and small animals, preventive medicine, nutrition, record keeping and medical procedures. Also includes mentoring techniques, teamwork, communications and health problem assessment involving kennel management. Multiple species will be covered and students will participate in hands-on care of VT Program animals throughout the semester. Completion of a Capstone Project is required. (L,M,C)

VETT 53D    Principles of Veterinary Dentistry 2 units
18 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: VETT 1
Principles and techniques involving veterinary dentistry. Includes preparation and identification of dental instruments and equipment, routine dental procedures, dental charting, the oral examination, oral radiography, orthodontics, pathophysiology and dental emergencies. This lecture/laboratory course defines the role of the Registered Veterinary Technician (RVT) in veterinary dentistry. The laboratory portion of the course utilizes demonstrations, laboratory exercises, group activities, online case studies and lectures to illustrate the principles presented in lecture. (L,M)

VETT 59    Veterinary Technology Board Review 2 units
36 lecture hours
Review of pertinent subject matter in preparation for the National Board and California State Veterinary Technician Examinations. Includes an overview of the California Statutes and Administrative Rules pertaining to veterinary medicine and content review of all pertinent medical subjects as well as question analysis strategies. Also includes test taking skills, test anxiety reduction techniques and practice board exams; includes information on exam application processes. (L,M)

**Programs and Courses**

VETT 54    Public Health and Infectious Disease 3 units
54 lecture hours
This course introduces the core concepts of public health emphasizing zoonotic and infectious diseases important to both human and animal health. Collaborative efforts between human and veterinary medical professions through the “One Health Initiative” will be discussed, including issues and developments in food safety, global health and the principles of epidemiology in risk assessment and effective public health interventions. (L)

VETT 55    Veterinary Medical Terminology 3 units
54 lecture hours
This course guides learners through the process of reading, writing, and comprehending medical terminology used in the veterinary medical field including analysis and origin of word roots, prefixes and suffixes, etymology, word construction, definitions, and use of words related to the body systems are covered. Topics include the pronunciation, spelling and definition of word parts and vocabulary terms unique to the anatomy, clinical pathology, and treatment of animals. Lectures demonstrate the importance of proper vocabulary usage in patient records. (L,C)

VETT 56    Veterinary Technology Board Review 2 units
36 lecture hours
Review of pertinent subject matter in preparation for the National Board and California State Veterinary Technician Examinations. Includes an overview of the California Statutes and Administrative Rules pertaining to veterinary medicine and content review of all pertinent medical subjects as well as question analysis strategies. Also includes test taking skills, test anxiety reduction techniques and practice board exams; includes information on exam application processes. (L,M)
# Welding Technologies

The Welding Program teaches curriculum that is designed to meet the minimum skill standards established by the American Welding Society (AWS) for entry-level welders. Our comprehensive program develops a student's skills in metals cutting and joining processes. Training is given in both theory and practical skills in the various phases of welding and cutting. This includes introduction to advanced methods, plasma and air carbon arc cutting, oxyacetylene cutting, SMAW (stick), TIG (TIG) welding, SMAW (MIG) welding, and FCA (flux core), welding inspects, testing principles and fabrication techniques, and other processes. Our classes are conducted in laboratories outfitted with modern industrial welding, cutting, CNC plasma, forming, fitting, tube and pipe shaping and other fabrication equipment. Entry-level welders are employed in a wide range of industries that use welding and welding-related tasks as project managers, supply salespeople, and teachers, or possible pursue a higher degree.

## WELDING TECHNOLOGIES

### (Associate in Science)

Students who complete this program should be able to:
1. Demonstrate appropriate workplace safety policies and procedures during welding and fabrication operations.
2. Demonstrate minimum competency in major welding processes used in industry.
3. Recognize and interpret technical drawings in planning and fabrication projects.

**REQUERIED COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>DRAFT 20</td>
<td>Blueprint and Specifications Reading</td>
<td>4</td>
</tr>
<tr>
<td>MFGT 20</td>
<td>Principles of Machine Shop.</td>
<td>4</td>
</tr>
<tr>
<td>WELD 10</td>
<td>Introduction to Shielded Metal Arc Welding</td>
<td>4</td>
</tr>
<tr>
<td>WELD 12</td>
<td>Intermediate Shielded Metal Arc Welding</td>
<td>4</td>
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<tr>
<td>WELD 20</td>
<td>Introduction to Gas Metal Arc Welding</td>
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<tr>
<td>WELD 22</td>
<td>Intermediate Gas Metal Arc Welding</td>
<td>4</td>
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<tr>
<td>WELD 40</td>
<td>Introduction to Gas Tungsten Arc Welding</td>
<td>4</td>
</tr>
<tr>
<td>WELD 50</td>
<td>Introduction to Structural Steel and Flux</td>
<td>4</td>
</tr>
<tr>
<td>WELD 85</td>
<td>Structure Design and Fabrication</td>
<td>4</td>
</tr>
<tr>
<td>WELD 95</td>
<td>Structural Design and Fabrication</td>
<td>4</td>
</tr>
</tbody>
</table>

### Plus 3 units from the following courses:

- AUTO 22 Hydraulics (Fluid Power)
- CWEE 45A Occupational Work Experience-Volunteer
- CWEE 498 Occupational Work Experience-Paid
- MFGT 21 Intermediate Machine Shop
- WELD 52 Intermediate Structural Steel and Flux
- WELD 64 Advanced Pipe Welding

Total units required for degree major: 37

Students earning an AWS degree must complete a minimum of 18 units of General Education requirements, the multidisciplinary requirement, and the health requirement, in addition to the program units listed here. Students must complete a total of 50 degree applicable units to earn an AA or AS. Please see your counselor for additional information.

## INTRODUCTORY WELDING TECHNOLOGIES

### (Certificate of Achievement)

Students who complete this program should be able to:
1. Demonstrate appropriate workplace safety policies and procedures during welding and fabrication operations.
2. Demonstrate minimum competency in major welding processes used in industry.
3. Recognize and interpret technical drawings in planning and fabrication projects.

**Required Courses**

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<td>Introduction to Structural Steel and Flux</td>
<td>4</td>
</tr>
<tr>
<td>WELD 85</td>
<td>Structure Design and Fabrication</td>
<td>4</td>
</tr>
</tbody>
</table>

Total units required: 34

## ADVANCED WELDING TECHNOLOGIES

### (Certificate of Achievement with 30-59.5 units)

Students who complete this program should be able to:
1. Demonstrate appropriate workplace safety policies and procedures during welding and fabrication operations.
2. Demonstrate minimum competency in major welding processes used in industry.
3. Recognize and interpret technical drawings in planning and fabrication projects.

**Required Courses**

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<td>WELD 85</td>
<td>Structure Design and Fabrication</td>
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</tbody>
</table>

Total units required: 34

## FABRICATION AND MANUFACTURING METHODS

### (Certificate of Achievement)

Students who complete this program should be able to:
1. Demonstrate appropriate workplace safety policies and procedures during welding and fabrication operations.
2. Demonstrate minimum competency in major welding processes used in industry.
3. Recognize and interpret technical drawings in planning and fabrication projects.

**Required Courses**

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<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>WELD 83</td>
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<td>WELD 84</td>
<td>Applied Fabrication Welding</td>
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<td>WELD 85</td>
<td>Structure Design and Fabrication</td>
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<tr>
<td>WELD 89</td>
<td>Welding Technical Problems</td>
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<td>MFGT 20</td>
<td>Principles of Machine Shop.</td>
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<td>MFGT 34</td>
<td>Computer Numerical Control</td>
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<td>MFGT 35</td>
<td>Computer Aided Manufacturing</td>
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<tr>
<td>MFGT 60</td>
<td>Problems in Manufacturing Technology</td>
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<td>DRAFT 20</td>
<td>Blueprint and Specifications Reading</td>
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</table>

Total units required: 32

## INTRODUCTORY WELDING TECHNOLOGIES

### (Certificate of Achievement)

Students who complete this program should be able to:
1. Demonstrate appropriate workplace safety policies and procedures during welding and fabrication operations.
2. Demonstrate minimum competency in major welding processes used in industry.
3. Recognize and interpret technical drawings in planning and fabrication projects.

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<td>WELD 85</td>
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</tbody>
</table>

Total units required: 16

## ADVANCED WELDING TECHNOLOGIES

### (Certificate of Achievement with 30-59.5 units)

Students who complete this program should be able to:
1. Demonstrate appropriate workplace safety policies and procedures during welding and fabrication operations.
2. Demonstrate minimum competency in major welding processes used in industry.
3. Recognize and interpret technical drawings in planning and fabrication projects.

**Required Courses**

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Total units required: 34

## WELD 10 Introduction to Shielded Metal Arc Welding

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Units</th>
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<td>C, L, M</td>
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<tr>
<td>Language:</td>
<td>recommend eligibility for English I.A. Mathematics: recommended eligibility for Math I.A.</td>
<td></td>
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<tr>
<td></td>
<td>C. L, M Advisories: Computer Literacy: recommended basic computer skills.</td>
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</tbody>
</table>

2020-2021 Catalog 213
Programs and Courses

WELD 12 Intermediate Shielded Metal Arc Welding (GMAW) 4 units
18 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: WELD 10 or WELD 40
Transferable to CSU
This course covers the fundamentals of arc welding techniques in vertical and overhead positions. This course will stress welding applications on flat and pipe stock in all positions to develop GTAW (also known as TIG) welding skills. Grades are P/NP option.

WELD 40 Introduction to Gas Tungsten Arc Welding (GTAW) 4 units
54 lecture hours, 54 lab hours
Transferable to CSU
This is an introduction to the GTAW welding process. The course covers welding techniques for welding mild steel, aluminum, and stainless steel. The course will stress welding applications on flat and pipe stock in all positions to develop GTAW (also known as TIG) welding skills. Course content will include metal identification and welding symbols. Grades are P/NP option.

WELD 42 Intermediate Gas Tungsten Arc Welding (GTAW) 4 units
54 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: WELD 40
Transferable to CSU
This is an intermediate course with an emphasis on vertical and overhead Gas Tungsten Arc Welding (GTAW). This course is designed for those who wish to improve their skills to a level that will make them marketable in the workforce as a GTAW (also known as TIG) welder. Grades are P/NP option.

WELD 44 Advanced Gas Tungsten Arc Welding (GTAW) 2 units
18 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: WELD 42
Transferable to CSU
This is an advanced laboratory course further emphasizing out-of-position GTAW (also known as TIG) welding skills. Grades are P/NP option.

WELD 50 Introduction to Structural Steel and Flux Cored Arc Welding (FCAW) 4 units
54 lecture hours, 54 lab hours
This course emphasizes developing skills in structural steel and Flux Cored Arc Welding (FCAW) practices. Related instruction will include ferrous metal identification and welding characteristics, FCAW welding applications and variables, dual shield inert shielding gases and mixtures. Students will troubleshoot FCAW equipment and welds completed in all positions. Grades are P/NP option.

WELD 52 Intermediate Structural Steel 4 units and Flux Cored Arc Welding (FCAW) 2 units
54 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: WELD 50
This course emphasizes improving skills in structural steel and flux cored arc welding (FCAW) practices. Related instruction will include ferrous metal identification and welding characteristics, FCAW welding applications and variables, dual shield inert shielding gases and mixtures, troubleshooting FCAW equipment, and welding in all positions. Grades are P/NP option.

WELD 62 Pipe Welding Fundamentals 4 units
54 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: WELD 10 or WELD 12 or WELD 20 or WELD 40
This course covers fundamentals of pipe welding with emphasis on open groove pipe joints and pipe joint preparation using oxy-fuel cutting, plasma cutting, and proper grinding techniques. The course emphasizes shielded metal arc welding (SMAW) but will introduce students to other welding processes related to pipe welding in all positions. Grades are P/NP option.

WELD 64 Advanced Pipe Welding 4 units
54 lecture hours, 54 lab hours
Prerequisite: Satisfactory completion of: WELD 62
This is an advanced pipe welding course with an emphasis on ASME, AWS, and API certification. Course instruction includes pipe welding codes, and classification and identification of pipe and pipe welding procedures. Completion of the class does not guarantee certification unless welding procedure qualification tests are passed. Grades are P/NP option.

WELD 68 Welding Technical Problems 4 units
4 units
18 lecture hours, 54 lab hours
Individualized instruction of special topics; including weld service to machining industry standards, A.N.S.I., A.W.S., A.P.I., A.S.M.E., research, and special welding processes and projects. Grades are P/NP option. (C)

WELD 88 Agriculture Welding 2 units
18 lecture hours, 54 lab hours
Emphasizes the development of minimum skill standards in welding. The SMAW (shielded metal arc welding), OFW (Oxy-Fuel Welding) and OFC (oxy-fuel cutting) processes are covered. The qualification and certification standards for entry-level welders as established by The American Welding Society will be covered. Introduction to SMAW, GTAW, FCAW, Plasma Arc cutting and technologies in the welding industry. (L)
Classified Staff

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Foster Care Education/LP

RAMINDER BAINS
Administrative Secretary II
A.S., Yuba College

ALEJANDRA BARNES
Administrative Secretary II
A.S., Yuba College

SHARON BATISTA
Child Development Assistant
A.S., Yuba College

ERIK A BERNAL
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A.S., Yuba College

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RONDA CAMPION
Student Services Technician

SUSIE COURPET
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KRISTI DUNHEW
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Cashier

MICHAEL ENOKSEN
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A.A., Yuba College

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ANGELA FOWLER
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A.A., Yuba College

RILEY FREDERKING
MESA Specialist

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A.S., Yuba College

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Clerical Assistant

SARA GAYTAN
Executive Assistant to the Vice President

CORRINE GIL
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A.S., Yuba College

CHOYA GUILD
Child Development Assistant

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SHELLY SMITH
Administrative Secretary II

AMANDA SMITH
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A.S., Yuba College

MICHELLE TILLER
EOPS/CARE Specialist

KAREN STANIS
Director, District Child Development Program

KAREL LEE VANG
Director, Upward Bound

VERONICA VASQUEZ
Information Technology Specialist

ERIC WULFF
Safety Director

Sutter County Center

MINERVA BARRON
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STEPHANIE BOWEN
Instructional Associate-Basic Skills

ROY MARTIN
Director, Campus Operations

TERESA PARAS
Campus Operations Specialist II
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ANNIE REVELL
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MENG THAO
Library/Media Specialist

ASSISTANT PRINCIPAL

KLAUS KRAMER
Principal

2020-2021 Catalog
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B.S., CSU Chico

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Nursing

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KOREY CHAMPE
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KYRA MELLO
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YULIANA MENDEZ
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PHILIP MILKS
Automotive
A.S., Fresno City College

COLLEEN MONAHAN
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B.S., CSU San Jose; M.B.A., National University

DYLAN NOACK
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B.S., UC Santa Barbara; M.S., Ph.D., UC Riverside

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