ANTELOPE VALLEY COLLEGE

2026 | 2027 CATALOG





2026-2027 Catalog

Antelope Valley Community College District
(661) 722-6300 • www.avc.edu

Antelope Valley College
3041 West Avenue K • Lancaster, CA 93536

Palmdale Center
2301 East Palmdale Boulevard • Palmdale, CA 93550

Accredited By:

Antelope Valley College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, 3402 Mendocino Avenue, Santa Rosa, CA 95403, (707) 569-9177, an institutional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education. Reaffirmed Fall 2016.

Additional information about accreditation, including the filing of complaints against member institutions, can be found at: www.accjc.org

Approved By:

California Community College Board of Governors
Office of Private Postsecondary Education for Training of Veterans
Board of Vocational Nursing and Psychiatric Technicians
Commission on Accreditation for Respiratory Care
Joint Review on Education in Radiologic Technology
College Reading and Learning Association
United States Immigration Service
Federal Aviation Administration
Board of Registered Nursing

A Member Of:

California Community and Junior College Association
Tri-Valley Alliance Consortium

Adopted Policy:

The Board of Trustees of Antelope Valley College has adopted the following statement pertaining to open enrollment and participation in classes: "Be it resolved, that the policy of this District is that, unless specifically exempted by statute or regulation, every course, course section, or class, reported for state aid, wherever offered and maintained by the District, shall be fully open to enrollment and participation by any person who has been admitted to the college and who meets such prerequisites as may be established pursuant to regulations contained in Title 5 Section 51006 of the California Code of Regulations."

Nondiscrimination Policy and Complaint Procedure

The Antelope Valley Community College District does not discriminate on the basis of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, sexual orientation, or Vietnam era veteran's status in any of its education policies, procedures, programs or practices as mandated by various state and federal laws including Title VI and VII of the Civil Rights Act of 1964, Age Discrimination in Employment Act of 1967, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1990, Americans with Disabilities Act of 1990, California Fair Employment and Housing Act and California Education Code.

This nondiscrimination policy covers admission, access and treatment in district programs and activities, including but not limited to academic admission, financial aid, educational services and athletics, and application for employment. In compliance with California Education Code Section 87100 et seq., the district is an equal employment opportunity employer. Information on equal opportunity policies, grievance procedures covering discrimination complaints, or the filing of grievances may be obtained from these individuals:

Re: Limited English Proficiency Counselor
Contact:
Julia Rincon Barragan, Counselor
Counseling Department, Student Services Building
3041 West Avenue K, Lancaster, California 93536-5426
(661) 722-6300 ext. 6338

Re: Title IX, Discrimination, Sexual Harassment
Americans with Disabilities Act (ADA), Section 504
Equal Employment Opportunity
Contact: Dr. Lauren Elan Helsper
Vice President of People, Culture, Talent & Title IX Coordinator
Human Resources Office, Administration Building
3041 West Avenue K, Lancaster, California 93536-5426
(661) 722-6300 ext. 6311

The college recognizes its obligation to provide overall program accessibility throughout the college for handicapped persons. Contact the District Compliance Officer regarding ADA/Section 504 concerns to obtain information as to the existence and location of services, activities, and facilities that are accessible to and usable by handicapped persons.

Antelope Valley Community College District does not discriminate on the basis of disability in admission to, access to, or operation of its instruction, programs, services, or activities, or in its hiring and employment practice. The college provides reasonable accommodation to facilitate the participation of covered individuals with disabilities.

Questions, concerns, complaints and requests for reasonable accommodation or additional information may be forwarded to the District Compliance Officer located in the Administration Building; the office is open Monday through Friday, 8 a.m. to 4:30 p.m., (661) 722-6300 ext. 6311 or ext. 6360 (voice/relay).

The lack of English language skills will not be a barrier to admission and participation in the college's vocational education programs. People with a background in a language other than English may obtain assistance regarding programs and services by contacting the limited English proficiency counselor in the Student Services Building. Appointments may be scheduled by calling (661) 722-6300 ext. 6338.

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

Office for Civil Rights (OCR)
U.S. Department of Education
50 Beale Street, Suite 7200
San Francisco, California 94105
Phone: (415) 486-5555
www.ed.gov/about/offices/list/ocr/docs/howto.html

Acreditado Por:

El Colegio Comunitario de Antelope Valley está acreditado por la Comisión de Acreditación para Junior Colleges y Colegios Comunitarios de la Asociación Occidental de Escuelas y Universidades, 3402 Mendocino Avenue, Santa Rosa, CA 95403, (707) 569-9177, una entidad institucional de acreditación reconocida por la Comisión de Reconocimiento para Acreditación Postsecundaria, y el Departamento de Educación de los Estados Unidos. Reafirmado en el otoño del 2016.

Información adicional acerca de la acreditación, incluyendo la presentación de quejas en contra de las instituciones miembras, se puede encontrar en: www.accjc.org

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Office of Private Postsecondary Education for Training of Veterans
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Joint Review on Education in Radiologic Technology
College Reading and Learning Association
United States Immigration Service
Federal Aviation Administration
Board of Registered Nursing

Socio De:

California Community and Junior College Association
Tri-Valley Alliance Consortium

Política Adoptada:

La junta directiva de Antelope Valley College ha adoptado la siguiente declaración referente a la matrícula abierta y la participación en clases: "Se ha resuelto, que la política del Distrito sea, a menos que esté específicamente exenta por ley o regulación, que cada curso, sección de curso, o clase, reportada al estado para ayuda financiera, y que cuando el Distrito la ofrezca y la mantenga, deberá estar completamente disponible para que cualquier persona que haya sido admitida al College y que cumpla con los pre-requisitos como han sido establecidos conforme a las regulaciones contenidas en el Título 5 Sección 51006 del Código de Regulaciones de California."

Norma Contra la Discriminación y Procedimiento de Agravio

El Distrito del Colegio Universitario de la Comunidad de Antelope Valley no discrimina por motivos de raza, credo religioso, color, nacionalidad original, linaje ancestral, discapacidad física, discapacidad mental, condición médica, estado civil, sexo, edad, orientación sexual, o condición de ex-combatiente de la guerra de Vietnam en ninguna de sus políticas educacionales, procedimientos, programas o prácticas según lo disponen diversas leyes estatales y federales incluyendo el Título VI y el Título VII de la ley de Derechos Civiles de 1964, la ley contra laDiscriminación de empleo por Motivos de Edad de 1967, el Título IX de las Enmiendas Educativas de 1972, el Artículo 504 de la ley de Rehabilitación de 1990, la ley para Estadounidenses con Discapacidades de 1990, la ley de Equidad en el Empleo y la Vivienda, y el Código Educacional de California.

Esta norma contra la discriminación abarca la admisión, el acceso, y el trato en los programas y actividades del distrito, incluyendo pero no limitados a, admisión académica, asistencia económica, servicios de educación y atletismo, y solicitudes de empleo. En cumplimiento con el Código Educacional de California, sección 87100 et seq., el distrito es un empleador que ofrece igualdad en las oportunidades de empleo. Información acerca de las políticas referentes a la igualdad de oportunidades, procedimientos de agravio que abarquen denuncias de discriminación, o la presentación de agravios, puede ser solicitada a estas personas:

Re: Dominio Limitado del Idioma Inglés
Contáctese con:
Julia Rincon Barragan – Consejera
Departamento de Consejería, Edificio de Servicios Estudiantiles
3041 West Avenue K, Lancaster, California 93536-5426
(661) 722-6300 ext. 6338

Re: Título IX, Discriminación, Acoso Sexual,
Americanos con Discapacidades (ADA), Sección 504,
Igualdad para Oportunidades de Empleo
Contáctese con: Dr. Lauren Elan Helsper
Vicepresidente de Personas, Cultura, Talento y Coordinador del Título IX
Oficina de Recursos Humanos, Edificio Administrativo
3041 West Avenue K, Lancaster, California 93536-5426
(661) 722-6300 ext. 6311

El colegio universitario reconoce su obligación de brindar a las personas discapacitadas un acceso general a sus programas en todos sus establecimientos. Para obtener información acerca de la existencia y ubicación de servicios, de actividades e instalaciones que sean accesibles y puedan ser utilizadas por personas discapacitadas, o otros temas concernientes con la ley ADA/ Artículo 504, puede comunicarse con el Oficial de Conformidad del Distrito.

El Distrito del Colegio Universitario de la Comunidad de Antelope Valley no discrimina por motivos de discapacidad en la admisión, el acceso y ejercicio de la instrucción, programas, servicios, o actividades, o en sus procedimientos de contratación y empleo. El colegio universitario ofrece adaptaciones razonables en sus funcionamientos con el fin de posibilitar la participación de las personas discapacitadas que estén cubiertas bajo la ley.

Si tiene preguntas, inquietudes, quejas, o solicitudes de adaptación razonable o información adicional, puede comunicarse con el Oficial de Conformidad del Distrito. Su oficina se encuentra en el edificio de Administración, está abierta de Lunes a Viernes de 8:00 a.m. hasta las 4:30 p.m., y el número de teléfono es (661) 722-6300 ext. 6311 (voz) o ext. 6360.

La carencia de aptitud en el idioma Inglés no constituirá un obstáculo para la admisión y participación en los programas educativos vocacionales del colegio universitario. Las personas cuyo idioma principal no sea el Inglés pueden obtener asistencia con respecto a nuestros programas y servicios comunicándose con la consejera para el dominio limitado del idioma Inglés en el edificio de Servicios Estudiantiles (SSV). Pueden concertarse citas por teléfono llamando al número (661) 722-6300 ext. 6338.

Si tiene inquietudes con respecto a leyes y reglamentos federales referentes a la no-discriminación en la educación o al cumplimiento del distrito con dichas disposiciones, también puede comunicarse con:

Office for Civil Rights (OCR) (Oficina de Derechos Civiles)
U. S. Department of Education (Ministerio de Educación de EE.UU.)
50 Beale Street, Suite 7200
San Francisco, California 94105
Teléfono: (415) 486-5555
www.ed.gov/about/offices/list/ocr/docs/howto.html

President's Welcome
2026-2027



Welcome to Antelope Valley College!

You have taken the very important first step to invest in your future. Our purpose is to serve you as you achieve your educational and vocational goals, and this will make all the difference not only in your life, but also your family's. We assure you that your time and resources will be well spent as you experience learning through online and face to face courses. Our faculty, classified professionals, and administrators are committed to your success both in and out of the classroom, providing you with surround supports throughout your educational journey. We are committed to providing cost-efficient education that leads to well-paying jobs.
I know that there are multiple challenges in today's world. Many of you work, serve your families, provide care for others, and sometimes face housing and food insecurity along the way. We have services that can assist you while you invest in yourself. We have groups that support you socially, culturally, and academically all while providing a rich and diverse learning environment.
It's a brave thing to invest in yourself and your family through education. We honor your commitment and sacrifice, and at every step, you are surrounded by well-qualified, diverse classified professionals, faculty, and administrators whose goal is your success.
As you make your way through this catalog and use the electronic tools available to create your individual education plan, please make sure to see a counselor for support: find the mentors in Puente, UMOJA, and other programs who are here for you, seek out CalWORKs and EOP&S, and stop by Financial Aid to ensure that you maximize your access to financial support.

We are here for you! #AVCSERVES

In Service,
JZ
Dr. Jennifer Zellet
Superintendent/President

¡Bienvenido al Colegio de Antelope Valley!

Has dado el primer paso muy importante para invertir en tu futuro. Nuestro propósito es servirte tal y como usted alcanzar sus metas educativas y vocacionales, y esto marcará la diferencia no solo en su vida, pero también la de tu familia. Le aseguramos que su tiempo y recursos serán bien invertidos a medida que experimente Aprendizaje a través de cursos online y presenciales. Nuestros profesores, profesionales clasificados y administradores están comprometidos con su éxito tanto dentro como fuera del aula, brindándole apoyos envolventes a lo largo de su trayectoria educativa. Estamos comprometidos a proporcionar una educación rentable que conduzca a empleos bien remunerados.
Sé que hay múltiples desafíos en el mundo de hoy. Muchos de ustedes trabajan, sirven a sus familias, Cuidan a otros y, a veces, se enfrentan a la inseguridad alimentaria y de vivienda en el camino. Tenemos servicios que pueden ayudarte mientras inviertes en ti mismo. Tenemos grupos que te apoyan socialmente, cultural y académicamente, al mismo tiempo que proporciona un entorno de aprendizaje rico y diverso.
Es valiente invertir en ti mismo y en tu familia a través de la educación. Honramos su compromiso y sacrificio, y a cada paso, está rodeado de profesionales clasificados bien calificados y diversos, profesores y administradores cuyo objetivo es su éxito.
A medida que avanza a través de este catálogo y utiliza las herramientas electrónicas disponibles para crear su plan de educación individual, asegúrese de ver a un consejero para obtener apoyo: encuentre a los mentores en Puente, UMOJA y otros programas que están aquí para usted, busque CalWORKs y EOP&S, y pase por aquí Ayuda financiera para garantizar que maximice su acceso a apoyo financiero.

¡Estamos aquí para ti! #AVCSERVES

En servicio,
JZ
Dra. Jennifer Zellet
Superintendente/Presidenta

Board of Trustees

Mr. Steve Buffalo, President	Ms. Barbara Gaines, Vice-President	Mr. Michael Rives, Clerk
Ms. Michelle Harvey, Member	Mr. Michael Adams, Member	Roshini Dhiman, Student Trustee

Administration

Dr. Jennifer Zellet	Superintendent/President
Ms. Kathryn Mitchell	Assistant Superintendent/Vice-President Academic Affairs
Mr. Shaminder S. Brar	Assistant Superintendent/Vice-President Administrative Services
Dr. Rebecca Farley	Assistant Superintendent/Vice-President Equity & Student Achievement
Dr. Lauren Elan Helsper	Assistant Superintendent/Vice-President People, Culture, Talent & Title IX Coordinator
Dr. Idania Padron	Assistant Superintendent/Vice-President Student Services
Dr. Maria Clinton-Houck	Interim Dean Aerospace, Industrial Arts &Applied Technologies
Mr. Nate Dillon	Dean Arts & Humanities
Mr. Carlos Rosas	Interim Dean Counseling & Matriculation
Dr. Windy Franklin-Martinez	Interim Dean Enrollment Services
Mr. Joel Gunterman	Dean Health & Safety Sciences
Dr. Svetlana Deplazes	Interim Dean Institutional Effectiveness, Research and Planning / Library Services
Ms. Ashley Hawkins	Dean Language & Communication Arts
Dr. Jedidiah Lobos	Dean Math, Sciences, & Engineering
Position vacant	Dean Social & Behavioral Sciences
Dr. Jill Zimmerman	Dean Student Health & Wellness
Mr. Leonardo Ayala	Dean Student Support Services
Mr. Van Rider	Dean Workforce Development & Community Engagement
Ms. Dianne Knippel	Executive Director Foundation
Mr. Saul Hom	Executive Director Information Technology Services
Mr. Moamer Qazafi	Executive Director Marketing and Public Information
Position vacant	Director Athletics
Mr. James Nasipak	Director Auxiliary Services
Mr. Christian Hootman	Interim Director Benefits & Risk Management
Ms. Michele Schottelkorb	Director Board & Executive Services, Strategic Initiatives, & Government Relations
Ms. Wendy Dumas	Director Budget, Reporting and Compliance
Ms. Irene Carbajal Perez	Director CalWORKs
Position vacant	Director Capital Projects
Ms. Angelica Alvarez	Director Child Development Center
Ms. Rosalind Brown	Director Dual Enrollment & Outreach
Mr. Bryan Martinez Escobar	Director Enrollment Services
Mr. Daniel Conner	Director Enterprise Applications & Data Protection
Ms. Kendra Ruff	Director Extended Opportunity Programs & Services (EOPS)/CARE, NextUP, and Guardian Scholars
Mr. Noe Flores	Director Facilities Planning & Logistics
Mr. Samuel Trejo	Director Financial Aid
Ms. Tammara Steffes	Director Financial & Fiscal Services
Ms. Harmony Miller	Director Human Resources
Position vacant	Director Institutional Research
Position vacant	Director Learning Center
Position vacant	Director Maintenance and Operations
Ms. Jamie Jones	Director Mathematics, Engineering & Science Achievement (MESA)
Mr. Carlos Rosas	Director Office for Students with Disabilities
Dr. Alex Parisky	Director Online Education and Instructional Support
Ms. Vicky Remp	Interim Director Payroll
Ms. Angela Musial	Director Purchasing & Contracts
Mr. Ramón Castillejo	Director Student Development
Mr. Don Danyluk	Director Technology Infrastructure
Ms. Paige Vivas	Interim Manager, Financial Aid
Ms. Lisa Nowak	Manager Financial & Fiscal Services
Mr. Bill Carlson	Manager Instructional and Support Services
Ms. Mayke “Sam” Darby	Manager Projects Information Technology Services
Mr. Mike Harris	Supervisor Campus Events and Operations
Mr. David Chung	Supervisor Custodial
Mr. Phil Planellas	Supervisor Custodial
Ms. Cassandra Trice	Supervisor Food Services
Mr. Robert Stanton	Supervisor Grounds
Mr. Michael Maher	Supervisor Maintenance and Operations
Ms. Debbie Lindsey	Supervisor Palmdale Center
Mr. Brett Copeland	Supervisor Performing Arts & Technical Director
Ms. Eileen O’Brien	Supervisor Purchasing & Contracts
Ms. Shannon De La Cruz-Martinez	Supervisor Rising Scholars
Ms. Rosie Heasley	Project Supervisor Aerospace, Industrial Arts and Applied Technologies (CTE)
Ms. Liliana Escobar	Project Supervisor Housing
Ms. Sarah Schneider	Project Supervisor Marauder Promise
Ms. Ty Steans	Project Supervisor NextUp
Ms. Rhonda Burgess	Project Supervisor People, Culture, and Talent

Academic Affairs - Ms. Kathryn Mitchell, Vice-President

Dr. Maria Clinton-Houck, Interim Dean Aerospace, Industrial Arts & Applied Technologies (CTE)

- Advanced Manufacturing
- Aeronautical and Aviation Technology
- Aeronautical Non-Destructive Inspection
- Aerospace Leadership and Management
- Air Conditioning, Refrigeration & Ventilation
- Aircraft Fabrication and Assembly
- Airframe Manufacturing Technology
- Auto Body
- Automotive Technology
- Electrical Technology
- Electronics Technology
- Industrial Manufacturing
- Metrology Sciences for Aerospace Manufacturing
- Welding

Mr. Nate Dillon, Dean Arts & Humanities

- Art
- Dance
- Digital Media
- Film and Television
- High School Articulation
- Music
- Music - Commercial
- Photography
- Photography - Commercial
- Theatre Arts

Mr. Joel Gunterman, Dean Health & Safety Sciences

- Emergency Medical Technology
- Fire Technology
- Health Education
- Kinesiology
- Medical Assisting
- Nursing Science
- Nutrition and Foods
- Radiologic Technology
- Recreational Leadership
- Respiratory Care
- Vocational Nursing

Ms. Ashley Hawkins, Dean Language & Communication Arts

- Chinese
- Communication Studies
- Deaf Studies
- English
- English as a Second Language
- French
- German
- Interpreter Training
- Journalism
- Latin
- Spanish

Dr. Jedidiah Lobos, Dean Math, Sciences, & Engineering

- Anatomy
- Artificial Intelligence Education
- Astronomy
- Biology
- Botany
- Chemistry
- Computer Science
- Earth Science
- Engineering
- Geography/GIS
- Geology
- Mathematics
- Microbiology
- Physical Science
- Physics
- Physiology
- Water Treatment

Position vacant, Dean Social & Behavioral Sciences

- Accounting
- Administration of Justice
- Anthropology
- Business
- Business Information Professional
- Child and Family Education
- Child Development Center
- Computer Applications
- Economics
- Education
- Ethnic Studies
- History
- Law
- Legal Assisting (Paralegal)
- Management
- Marketing
- Philosophy
- Political Sciences
- Prison Education Program (PEP)
- Psychology
- Real Estate
- Sociology

Mr. Van Rider, Dean Workforce Development & Community Engagement

- Adult Education (AB104)
- Economic Development
- Extended Learning and Workforce Training
- Noncredit Programs
- Palmdale Center
- Pre-Apprenticeships Cal Grant

Position vacant, Director Athletics

- Athletic Training
- Intercollegiate Athletics

Student Services - Dr. Idania Padron, Vice-President

Mr. Carlos Rosas, Interim Dean Counseling & Matriculation

CalWORKs
Career Center
Counseling Services
Extended Opportunity Programs & Services (EOP&S)
Human Development
Matriculation
Office for Students with Disabilities (OSD)
Transfer Center

Dr. Windy Franklin-Martinez, Interim Dean Enrollment Services

Academic Records
Admissions and Records
Assessment
Athletic Verification
Audit/Credit by Examination
Dual Enrollment
Enrollment Management
Enrollment Services
Extenuating Circumstances Petition
Financial Aid
Graduation
International Student Program
Job Placement
Outreach/Information & Welcome Center
Study Abroad
Transcripts

Dr. Jill Zimmerman, Dean Student Health & Wellness

Basic Needs
SOAR High School/Early College High School
Student Health Services

Mr. Leonardo Ayala, Dean Student Support Services

Associated Student Organization
Civic and Voter Engagement
Commencement
Inter Club Council
Marauder Promise
Student Activities
Student Conduct

Equity & Student Achievement - Dr. Rebecca Farley, Vice-President

Academic Development
Achievement Programs
Professional Development
Student Equity
Veterans Resource Center

Dr. Svetlana Deplazes, Interim Dean Institutional Effectiveness, Research, & Planning (IERP)

Grants & Innovation
Institutional Effectiveness, Research, & Planning
Library Services

Position vacant, Director Learning Center

Learning Assistance
Learning Center
Reading

Mission

Antelope Valley Community College, a public institution of higher education, provides a quality, comprehensive education to a diverse population of learners. We are committed to student success offering value and opportunity, in service to our community.

Antelope Valley College offers:

Associate Degree Programs

Associate degree programs comprised of general education courses and designated courses in a specific major or area of emphasis. Associate degrees provide students with "the ability to think and to communicate clearly and effectively both orally and in writing; to use mathematics; to understand the modes of inquiry of the major disciplines; to be aware of other cultures and times; to achieve insights gained through experience in thinking about ethical problems; and to develop the capacity for self-understanding."

Baccalaureate Degree Program

The Baccalaureate Degree Program in Airframe Manufacturing Technology is designed to respond to the growing demand in the aerospace and associated industries with a curriculum that addresses airframe manufacturing, aircraft fabrication (structures and composites), avionics, and electronics, as well as upper division general education courses. This degree provides students with the ability to understand, perform, and serve as first-line leads in the major processes of manufacturing the structural components of aircraft for civilian and military specifications and other related industries.

The Bachelor of Science in Respiratory Care (BSRC) provides licensed Respiratory Care Practitioners (RCPs) who already hold an associates degree with advanced knowledge and skills in leadership, management, education, research, and clinical practice. As employer demands increase, RCPs are expected to expand their critical thinking and take on greater responsibilities, skills not fully covered in the associates programs. The BSRC helps RCPs meet these expectations, achieve professional goals, and prepare for advanced degrees without leaving the Antelope Valley and at a fraction of the cost of other institutions.

Career Technical Programs

Certificate and degree programs comprised of "essential career technical instruction" in a variety of business, technical, and occupational courses designed to enhance students' knowledge and skills leading to employment, career advancement, certification, and state or federal licensure. We award both Chancellor's Office approved Certificates of Achievement and locally approved Certificates of Proficiency.

Transfer/General Education Courses

Transfer and degree requirements are satisfied by completing transferable courses that apply to the major, general education, and electives (if necessary).

Basic Skills Courses

Basic skills courses in reading, writing, mathematics, English as a Second Language, and learning and study skills. These courses offer students essential foundation skills that are necessary for success in college-level degree applicable courses.

Student Support and Instructional Support

A variety of services in academic, career, and personal counseling, in library instruction and course support, in learning assistance. These services support the needs of students in pursuing and achieving their educational goals.

Workforce Preparation and Economic Development

Workforce programs, job preparation courses (non-degree applicable) and a variety of services that contribute to the educational and economic well being of the community.

Personal Enrichment and Professional Development

Community services offerings, non-credit, not-for-credit classes and services that develop the knowledge, skills and attitudes necessary for students to be effective members of the community. These classes enhance the community's social, cultural, and economic well being. Non-credit course offerings may lead to a Certificate of Completion and/or Certificate of Competency.

The Antelope Valley Community College District is committed to fulfilling its mission in accord with the following philosophy:

Antelope Valley Community College District is a comprehensive community college district in the California Community College System dedicated to providing services to a broad range of students with a variety of educational goals. The district is dedicated to providing educational programs and services as expressed in the California Master Plan for Higher Education. Likewise, the district is committed to equal educational opportunity and reinforces that commitment through a program of active affirmation of diversity.

Antelope Valley Community College District is dedicated to meeting the dynamic needs of a changing community. The District addresses the educational needs of a diverse and evolving population. The District recognizes that it is uniquely capable of responding to the requirements of regional business, industry, and public service, as well as the social and cultural needs of the Antelope Valley.

Antelope Valley Community College District affirms the rights of the individual and respects human dignity. The programs and activities offered foster the individual's ability to think clearly, critically, and independently to meet the demands of an increasingly complex society. The student is the primary concern of the Community College District. The curriculum, activities, and services are designed to help students understand their physical, cultural, ethnic, and social environment. The preservation of academic freedom provides an environment in which students and faculty can examine ideas freely. Academic freedom in the pursuit and dissemination of knowledge in an educational environment shall be ensured and maintained. Such freedom shall be recognized as a right of all members of the faculty, whether of tenure or non-tenure rank, of all administrative officers, and of all students.

This philosophy is reflected in the curriculum, the student-faculty relationships, the services and resources, and the policies of the Antelope Valley Community College District.

Institutional Learning Outcomes (ILOs)

Antelope Valley College recognizes the significance and value of instilling in students what they must possess upon their departure from community college.

Communication
- Demonstrates analytical reading and writing skills including research, quantitative and qualitative evaluation and synthesis.
- Demonstrates listening and speaking skills that result in focused and coherent communications.

Creative, Critical, and Analytical Thinking
- Uses intellectual curiosity, judgment and analytical decision-making in the acquisition, integration and application of knowledge and skills.
- Solves problems utilizing technology, quantitative and qualitative information and mathematical concepts.

Community/Global Consciousness
- Understands and applies personal concepts of integrity, ethics, self-esteem, lifelong learning, while contributing to the well being of society and the environment.
- Demonstrates an awareness and respect of the values of diversity, complexity, aesthetics and varied cultural expressions.

Career and Specialized Knowledge
- Demonstrates knowledge, skills and abilities related to student educational goals, including career, transfer and personal enrichment.

Vision

To provide quality education that transforms lives.

Values

Education – We are dedicated to students, faculty, staff, and alumni in their endeavor for lifelong learning.

Integrity – We expect honesty, trust, candor, and professionalism from one another.

Excellence – We commit to the highest quality in all our endeavors, being responsive to our community in innovative ways.

Community – We create and foster relationships between AVC and its diverse constituents: students, faculty, staff, alumni, and the community at large.

Governance

AVC is a public community college which operates under the Board of Trustees of the Antelope Valley Community College District.

Campus History

Antelope Valley College held its first classes on Sept. 10, 1929 as an extension of Antelope Valley Joint Union High School in Lancaster. Then known as Antelope Valley Junior College, the college was established by high school officials as a way to provide local residents with access to the first two years of a college education in what was then a remote, rural area.

The average daily attendance at the college was 13 during the 1929-30 school year. The stock market crash in October 1929 and subsequent Great Depression led to challenging times for the new college.

Alfalfa farmers in the area were hard hit by the Great Depression. The college suffered serious financial difficulties as teachers took pay cuts to keep the tiny college viable.

The college shared classrooms on the high school campus where the existing Antelope Valley High School stands.

In June 1931, Aubrey Byron Chase became the first graduate of the college. He went on to become a military chaplain and a Baptist minister.

Average daily attendance (ADA) at the college reached 100 by 1939. However, with the outbreak of World War II, attendance plummeted to the same level as the first year of the college. There were pressures to close the college, yet trustees and staff held out through the war years.

Enrollment began to grow steadily after the end of the war, partly due to the GI Bill of Rights that provided higher education opportunities to veterans and partly because Antelope Valley began developing an aircraft industry.

The college launched its first vocational programs as it moved toward becoming the comprehensive community college it is today.

Another milestone in the development came in 1957 when Dr. Lowell F. Barker was hired as the college's first president – a break from directors who oversaw the college prior to that time.

Groundbreaking was held in September 1959 for a new college campus on 110 acres at Avenue K and 30th Street West. The new campus – designed to accommodate 1,500 students -- opened two years later.

Officials realized it was time to pull away from the high school governance structure. In December 1961, local voters approved creation of a separate community college district. In another election in spring 1962, voters elected the first board of trustees to govern the college district: Ross Amspoker, Louis Massari, Charlotte R. Rupner, Glen Settle and Chester Wolowicz.

July 1, 1962 marked the official start of the new college district.

The college continued to grow, as did the surrounding community. In the 1970s, the campus added a blackbox theater, music building, consumer education building and arts building surrounding what is known as the Fine Arts Quad. Other buildings were added on the north side of the campus to accommodate technical programs such as automotive technology, welding and electronics.

As student enrollment grew at the college during the 1980s, officials secured state money in the early 1990s for construction of a new library in the heart of the campus, along with an administration building.

More construction followed including a Child Development Center, two-story Applied Arts Building, three-story Business Education Building, and Technical Education Building.

The college expanded its size to approximately 135 acres though land purchases.

AVC began to host upper division and graduate-level programs offered by California State University, Bakersfield-Antelope Valley, a satellite campus located on AVC's Lancaster campus. In December 2023, Cal State Bakersfield, Antelope Valley and AVC signed a Memorandum of Understanding to expand the number of STEM baccalaureate degrees available at CSUB's Antelope Valley campus, building a pipeline for scientists and engineers in a region that leads the nation in aerospace innovation and discovery, college officials announced today in a joint statement. Through the partnership, CSUB-AV and AVC will work together to add new STEM pathways at CSUB-AV. The MOU also provides an extension to the current land-lease agreement for space occupied by CSUB-AV and use of new space needed for the new baccalaureate programs.

AVC responded to the needs of south valley residents by establishing the Palmdale Center, located at 2301 E. Palmdale Blvd., Palmdale CA 93550. Serving 2,000 students 2002, the growing demand for additional opportunities contributed to the development of a 50,000 square foot classroom and laboratory Center at 2301 E. Palmdale Blvd.

Administration continues to expand and update labs and classrooms to serve students. The Performing Arts Theatre opened in 2011. The 107,000 square foot, state of the art, Uhazy Hall building followed in 2012. In 2016, Measure AV was passed by the Antelope Valley community and funded AVC Sheriff's Security building, Sage Hall, Discovery Lab, Student Services, and Cedar Hall, which is currently under construction.

The AVC Sheriff's Security building opened in March 2021, followed by Sage Hall in October of that year. The Discovery Lab opened in May 2022. The Student Services Building opened during the spring 2023 semester.

Demographics and Description

The Antelope Valley Community College District consists of 1,945 square miles of semiarid terrain located north of the mountains that separate Antelope Valley from the Los Angeles basin. The college district includes 40 percent of the land mass of Los Angeles County, as well as a small section in the southwestern part of Kern County.

Major residential centers in the valley include the incorporated cities of Lancaster and Palmdale, and the smaller communities of Quartz Hill, Antelope Acres, Rosamond, Littlerock, Pearblossom, Acton, Sun Village and Lake Los Angeles. Residential areas such as Leona Valley, Green Valley, Lake Hughes and Lake Elizabeth exist in outlying regions.

For the first half of the 20th century, the basic industry of Antelope Valley was agriculture. By the late 1950s, aircraft and aerospace industries began to dominate the economy. The region's dry climate and high percentage of sunny days make it an ideal location for aircraft manufacturing and testing.

There are two principal centers of the aircraft industry. One center is located at Plant 42. The other is at Edwards Air Force Base, located outside the Antelope Valley Community College District, but a significant percentage of civilian employees live within the district.

A large portion of the valley's population also commutes to jobs in the Los Angeles basin.

The college itself contributes directly to the economic health of Antelope Valley, with 850 employees. Their combined income is more than $30 million, and they spend most of it locally.

AVC's student body consists of a wide range in ages–from teenagers to senior citizens, with a median age of 22. Women make up the majority of the student body with 59 percent of the population. In 2018-2019 AVC's annual unduplicated attendance was 18,801 students.

Certificate and Degree Programs

Certificate programs are short-term educational programs designed to provide students with specialized knowledge and career-focused skills in a specific field. Upon successful completion of the required coursework, students earn a certificate that recognizes their competency and can help prepare them for employment, career advancement, or further education.

Antelope Valley College awards the following certificates:

- Certificate of Competency
- Certificate of Completion
- Certificate of Proficiency
- Certificate of Achievement

Associate degrees provide preparation for employment, career advancement, and transfer. Associate Degrees for Transfer (AA-T and AS-T) provide a pathway to the California State University system. Bachelor of Science degrees offer upper-division study in specialized workforce fields that support regional and statewide employment needs.

Antelope Valley College awards the following degrees:

- Associate in Arts (A.A.)
- Associate in Science (A.S.)
- Associate in Arts for Transfer (AA-T)
- Associate in Science for Transfer (AS-T)
- Bachelor of Science (B.S.) in approved baccalaureate programs

Instructional Programming

Regular Session: AVC operates on the semester system with the academic year divided into a fall and spring semester of approximately 16 weeks each. Although the majority of classes contained in the catalog are semester courses, there are a certain number of short-term courses available each semester. Prior to each semester, an online class schedule is available at www.avc.edu.

Intersession: AVC operates an intersession each year between the fall and spring semesters. The maximum unit load for a student during the intersession is six semester units.

Summer Session: AVC operates a summer session each year. The maximum unit load for a student during the summer

Fall 2026 Academic Calendar

Registration		Consult enrollment dates at www.avc.edu
Semester begins		August 17
*Last day to Add (full-term courses)	In Person - August 28	On Web - August 30
*Last day to drop with refund (full-term courses)..	In Person - August 28	On Web - August 30
Last day to drop without a "W" (full-term courses)	In Person - August 28	On Web - August 30
Last day to elect pass/no pass option		Up to the last day of class
Labor Day (College closed)		September 7
Priority filing date for Spring 2027 Graduation		September 6
Priority filing date for Summer 2027 Graduation		September 6
Last day to submit Petition for Credit by Exam		September 11
Indigenous Peoples' Day (College closed)		October 12
Last day to drop with a "W" (full-term courses)		November 6
Veteran's Day (College closed)		November 11
Thanksgiving (College closed)		November 26
Local Holiday		November 27-28
Semester ends		December 5

Intersession 2027 Academic Calendar

Registration		Consult enrollment dates at www.avc.edu
Semester begins		January 4
*Last day to Add		To be determined
*Last day to drop with refund (full-term courses)		To be determined
Last day to submit Petition for Credit by Exam		No challenge exams available during intersession
Last day to elect pass/no pass option		To be determined
Last day to drop without a "W" (full-term courses)		To be determined
Dr. Martin Luther King Day (College closed)		January 18
Last day to drop with a "W" (full-term courses)		To be determined
Semester ends		February 6

Spring 2027 Academic Calendar

Registration		Consult enrollment dates at www.avc.edu
Semester begins		February 8
Lincoln's Day (College closed)		February 12
Local Holiday		February 13
Washington's Day (College closed)		February 15
*Last day to Add	In Person - February 19	On Web - February 21
*Last day to drop with refund (full-term courses)	In Person - February 19	On Web - February 21
Last day to drop without a "W" (full-term courses)	In Person - February 19	On Web - February 21
Last day to submit Petition for Credit by Exam		March 5
Last day to elect pass/no pass option		Up to the last day of class
Priority filing date for Fall 2027 Graduation		February 14
Farmworkers Day (College closed)		March 31
Spring Break (No classes)		April 5- April 10
Last day to drop with a "W" (full-term courses)		May 7
Memorial Day (College closed)		May 31
Graduation		June 4
Semester ends		June 5

Summer 2027 Academic Calendar

Registration		Consult enrollment dates at www.avc.edu
Semester begins		June 14
*Last day to Add	In Person - To be determined	On Web - To be determined
*Last day to drop with refund (full-term courses)	In Person - To be determined	On Web - To be determined
Last day to submit Petition for Credit by Exam		No challenge exams available during summer
Last day to elect pass/no pass option		To be determined
Last day to drop without a "W" (full-term courses)		To be determined
Juneteenth (College Closed)		June 18
Independence Day (College closed)		July 5
Last day to drop with a "W" (full-term courses)		To be determined
Semester ends		August 7

*Some course dates differ from date posted. To review specific course dates locate and click the blue CRN in the AVC Schedule of Classes.

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Notice:

Antelope Valley College reserves the right to change or delete without notice any of the materials, information, requirements, regulations published in this catalog. The catalog is not to be regarded as a contract between the College and the students.

Eligibility for Admission, Regular Status

Academic Eligibility: All high school graduates are eligible for admission to Antelope Valley College.

All 16 and 17 year old students who have not graduated from high school may apply to take the examination for a "Certificate of Proficiency." If the student successfully passes the exam, the State Board of Education will award a certificate of proficiency, which authorizes the holder to enroll at Antelope Valley College on the same basis as high school graduates. For exam information go to www.chspe.net.

A non-high school graduate 18 years of age or older, who is capable of profiting from the instruction offered, is eligible for admission to Antelope Valley College (State Education Code Section 76000, amended, effective 1/1/91). State Education Code is available at https://govt.westlaw.com/calregs and in the Antelope Valley College library.

Admissions applications are submitted through the web using OpenCCCApply online admissions application at www.avc.edu. New students must submit an application prior to registration. Returning students that have not attended for more than one year must submit a new application prior to registration. Spanish admission applications are available in Admissions and Records and the Welcome Center and at www.avc.edu.

Special Admittance of Minor Students:

Advanced Academic and Vocational Education

Students presently in middle and high school level have not yet received a high school diploma, California proficiency or GED and are under the age of 18 may, with college approval, enroll at Antelope Valley College. Students must consult their school guidance office and obtain permission from their school principal or designee and parent or guardian. For further criteria and forms contact Admissions and Records or www.avc.edu. State and Federal law states that parents of community college students do not have a right of access to their children's student records, regardless of age. Promise Grants are available to students, but no other form of financial aid is available for students who are specially enrolled.

Eligibility for International Students

International students planning to apply for admission with a F-1 student visa must provide official TOEFL (Test of English as a Foreign Language) score unless English is the student's native language, received a high school diploma from the United States, or has completed English 101 at a regionally accredited institution (official transcript). A TOEFL score of 45 on the internet-based (iBT) testing or 450 on the paper based testing is required. In addition, a sponsor or the student must submit an original bank statement proving financial capability. No financial aid is available for international students with the exception of scholarships. Deadlines for scholarship applications are available from Financial Aid. Health insurance is mandatory for all international students prior to the start of your first term at Antelope Valley College.

For more information on requirements for admission of international students, please call (661) 722-6300, ext. 6331.

Residence Eligibility

A student whose legal residence is within the State of California will be required to pay a per-unit enrollment fee. You are considered a California resident for tuition purposes if:

1. You have lived in California for at least one year and one day prior to the residency determination date (the first day of the semester you plan to attend),

   and

2. You can prove you intend to stay in California.

Students who do not meet these requirements will be classified as non-residents and will be required to pay nonresident fees. **Nonresident students pay both the $46 per unit enrollment fee and the $372 per unit nonresident tuition plus a Capital Outlay Fee of $20 per unit.** NOTE: The per unit enrollment fee may change without notice, subject to mandates issued by the State of California.

Military members that live in California while on active duty will be classified as residents of California for tuition purposes.

Military members who are not California residents at the time of discharge from the service but have been stationed in California for more than one year will also be classified as California residents for a one-year period from the date they are released from the service. After the one-year period, residency classification for such individuals will be evaluated based on California residency requirements for tuition purposes.

Family members of active duty military personnel who are not California residents but who are being sponsored by an active duty military member stationed in California will be classified as California residents for a one-year period from the date of entry into California. After the one-year period, residency classification for family members will be evaluated based on California residency requirements for tuition purposes. Family members will be reclassified as nonresidents if they do not meet the California residency requirements.

Evaluation of Transcripts

Transcripts received from other schools which a student has attended will be examined at the time of enrollment to assist students with selection of classes.

Transcripts submitted become the property of Antelope Valley College and cannot be returned to the student nor forwarded to another institution.

The Financial Aid Office reserves the right to require some or all academic transcripts to be submitted to the Admissions and Records Office.

Program Planning

After the student's transcripts and/or placement results are available, new students must complete an online orientation and attend a student success workshop for the purpose of educational planning, academic advisement and counseling. If a student plans to transfer to another college or university, it is the student's responsibility to consult the catalog of that institution to determine course requirements. Counselors are available to assist in selecting transferable classes.

Class Schedule

A copy of the class schedule is available online at the college's website at www.avc.edu prior to the beginning of the term. The class schedule will include: summer, fall, and spring. **NOTE:** The online schedule is subject to change.

Cancellation of Classes

Insufficient enrollment for any class may warrant course cancellation without advance notice. Students should consult the Web to select alternate classes.

Semester, Intersession, and Summer Session Unit Load

The normal load for a full-time student at the college is 15 units per semester. For most purposes, the official designation of a "full-time" student is one who is enrolled in 12 or more semester units, while a "part-time" student is one who is enrolled in fewer than 12 semester units. A student may not enroll for more than 19 units per semester in Fall and Spring, 9 units in Summer, and 6 units in Intersession, without the written approval of the Dean of Counseling and Matriculation.

Registration

Registration is accomplished through the web at www.avc.edu by logging into myAVC. Returning students that have not attended for more than one year will be required to reapply prior to registering.

Late Registration

Late registration begins the first day of class for each semester. Should an instructor have openings in a closed class, he/she may allow additional students to enroll in his/her class. Students must be present at the first class meeting to be considered for enrollment. Once a class begins, students must have an instructor assigned Add Authorization Code (AAC) to enroll. Classes with a registration restriction may require an AAC and an instructor signature.

Drop/Withdrawal Policy

(Title 5, Section 55023, 55024, 51861)

It is the student's responsibility to withdraw from any classes for which he/she registers, regardless of whether the student has attended the class. Semester drop deadlines are posted on the Admissions and Records web page. Since course drop dates differ, individual course drop deadlines may be found in the schedule of classes.

For fall and spring full-term classes, students that drop by the end of the second week will not receive a notation on their academic record. For summer and short-term classes, see the online schedule of classes for course drop deadlines since the last day to drop without a notation may differ. Students also have the responsibility of officially withdrawing from college and for observing established deadlines. Otherwise "F" grades may be assigned.

Students are permitted to have three enrollments for non-repeatable courses. An enrollment occurs when a student receives an evaluative or nonevaluative symbol on an academic record.

A student who completes a course by taking a final exam or turning in a final paper or project is not eligible for a late withdrawal under any circumstances.

Student Fees and Expenses

Enrollment Fee: Every effort is made to keep expenses as low as possible. Beginning with the Fall 1984 semester, all California Community Colleges began collecting the "California Community College Enrollment Fee" approved by the State Legislature and the Governor. Under the new fee program designed to partially defray the cost of education and instruction materials students are required to pay an **enrollment fee of $46 per unit**, for each semester plus $84 per unit for upper division coursework. **NOTE**: The per unit enrollment fee may change without notice, subject to mandates issued by the State of California.

Nonresident Tuition: Tuition will be charged to students who qualify as nonresidents including out-of-state students and international students. The tuition rate for the 2026–27 school year is $372 per semester unit, payable at the time of registration. Nonresidents are also required to pay the $46 enrollment fee and a Capital Outlay fee of $20.00 per unit for a total of $438.00 per semester unit. (The tuition rate is recalculated each year based on cost per student and is therefore subject to change.) Additional information regarding residency requirements may be obtained from the Admissions and Records Office.

Instructional Materials Fees: Materials fees will be charged to students in certain credit and non-credit courses when such materials are necessary to achieve the required objectives of a course and will be of continuing value to the student outside of the classroom. The instructional materials fee must be paid at the same time as enrollment.

Parking Fee: A parking permit is required to park a vehicle anywhere on campus. General parking permits are required from 8am-midnight Monday-Friday and 8am-4pm on Saturdays.

To avoid a citation, please park in authorized spaces only. Parking without a permit or in a reserved parking spot may result in a $33.00 citation. Parking in a designated handicap spot will result in a $338.00 citation.

Semester Parking Fees:

- Fall/Spring - $28.00 (equals to $1.75 a week for 16 weeks). Select the option with Parking/ASO in the description to receive an ASO sticker at no additional charge.
- Summer - $15.00 (equals to $1.88 a week for 8 weeks)
- Intersession - $10.00 (equals to $2.00 a week for 5 weeks)

Non AVC students parking permits are priced the same but do not include an ASO sticker.

Daily Parking Fees:

- $1.00 - Daily parking fee at parking permit dispensers (cash only - exact change). Daily parking permit must be visible on your dashboard.
- $1.28 - Daily permit fee on-line (Permit activated immediately with a valid license plate)

Students will be responsible for replacing lost parking permits. Parking at the Palmdale location does not require a parking permit. For more information, please visit: www.avc.edu/studentservices/cashier/onlineparkingpermit

Associated Student Organization Fee: The Associated Student Organization (ASO) is an elected group of students who represent and advocate on behalf of AVC students. ASO's main purpose is to work on behalf of all AVC students to enhance their educational and social experience at AVC. Any student at AVC can participate in ASO and are encouraged to do so. ASO

is active on all AVC shared governance activities and other college-wide committees. In addition, ASO and the Inter-Club Council (ICC) bring issues and activities forward that support students in their academic and social lives. The ASO also provides activities and services housed in the Student Lounge located in the Student Center.

The ASO Sticker is an additional feature of your AVC Student ID card. When students purchase their parking pass online it includes the ASO Sticker. Bring your parking pass confirmation email or receipt to the ASO Counter inside the HUB to receive your sticker. For those not purchasing a parking pass the ASO Sticker can be purchased for $10 in the Fall and Spring semesters at the Cashier's Office located in the Student Services building. The ASO Sticker has many benefits for our students. They include:

- Access to Emergency Grants
- Basic school supplies (notebooks, scantrons, pencils, etc.)
- 40 free WEPA copies
- Free admissions into athletic events

Student Representation Fee: The student representation fee of $2 provides support of governmental affairs representatives to express the opinions and viewpoints of community college students regarding issues before the AVC Board of Trustees, city, county and district government offices and agencies at the local, state and federal level.

Students may waive the fee by clicking the "opt out" button at the time of registration.

Student Health Services Fee: AVC offers health services for students on a regular basis. This is accomplished by the Student Health Fee of $19 per Fall and Spring semesters and $16 for Summer/Intersession term. In-person medical, dental, vision, tele mental health counseling and tele medical services are available for students, as well as, health education and prevention activities and events held throughout the year. Students are required to pay the Student Health Services fee with the only exemption being religious reasons. A waiver for exemption must be submitted each semester and term prior to paying fees. The Student Health wavier can be found online at www.avc.edu/sites/default/files/studentservices/studentlife/Student-Health-Fee-Waiver-(Fillable).pdf and must be submitted electronically to studenthealth@avc.edu. Tele counseling and tele medical services are available through TimelyMD. Tele medical services provide 24/7, on-demand access to a medical provider that can treat a wide range of common illnesses such as cold and flu, sinus infection, allergies and more. TalkNow tele mental health counseling provides 24/7, on-demand access to a mental health professional to talk about anything at any time. Students can access these free services by going to https://timely.md/schools/index.html?school=AVC& to register for and access telehealth services. Telehealth visits are available from any web-enabled device throughout the United States –smartphone, tablet, laptop, or desktop. Students must use their legal name as listed in Banner to create a profile. They may then change to a preferred name. In-person medical, vision and dental services are offered through a voucher system and services are provided by contracted professionals. Information is available each semester by calling Student Health Services (661) 722-6300 ext.6683 or emailing studenthealth@avc.edu to request a voucher be issued electronically. The Student Health office is located on campus at T700 E1.

Housing Expenses: AVC does not maintain on-campus housing. Costs in the community vary greatly with apartment rentals ranging from $800 to $1200 monthly.

Estimated College Expenses: The following are estimated costs of college attendance for a nine-month academic year. These figures include costs of enrollment fee, books and supplies, food and housing, miscellaneous personal expenses and transportation.

Student living at home	$20,262
Student living away from home	$32,277

Add $392 per semester unit for nonresident tuition and capital outlay fee if you are not a California resident.

Failure to Pay Fees and Expenses: The college cannot extend credit for expenses of admission. In the event that the student does become indebted to the college due to library fines, athletic expenses, student loans, or any other reason, Antelope Valley College will place a hold on the student's account until fees are paid in full.

Refund of Fees and Expenses

Refund of Enrollment Fees: Fees will be refunded for full-term classes dropped during the first two weeks of instruction for the fall and spring semesters. For short-term classes, the refund period is shorter. No refunds will be made for full-term length classes after the end of the second week of instruction.

For Summer/Intersession terms, refund deadlines may occur within the first week or earlier. Please refer to the class schedule for specific refund dates.

Refunds are typically processed 6-8 weeks after the start of the semester. NO CASH refunds will be given at the window.

Refund of Nonresident Tuition: Refund of the nonresident tuition fee can be made only when the student negotiates a total withdrawal from the college. Refunds are not available for a reduction of program. The request for refund must be submitted in writing and accompanied by the registration receipt. Refund of the basic tuition fee will be made according to the following schedule:

Regular Semesters:

1st week of instruction	90% of the original fee paid
2nd week of instruction	75% of the original fee paid
3rd week of instruction	50% of the original fee paid
4th week of instruction	25% of the original fee paid

Summer Terms:

1st week of instruction	90% of the original fee paid
2nd week of instruction	50% of the original fee paid
3rd week of instruction	25% of the original fee paid

For the purpose of this section, the first week of instruction is the first week of the term, semester, or session.

No refunds shall be made for withdrawal unless the written request for refund is date-stamped by the Registration Office. The request must be postmarked before midnight of Friday of the third week following that in which instruction begins for regular semesters or academic quarters, or the second week following that in which the instruction begins for summer sessions and sessions less than academic quarters. Refunds shall not exceed the amount of tuition paid and will be processed only when accompanied by the receipt issued at the time of payment.

Refund of Instructional Materials Fees: These fees will be refunded for classes dropped during the first two weeks of instruction. No refunds will be made after the second week of instruction.

Parking Permit Refund Policy: Only a student who withdraws from all courses may request a partial refund for a parking permit. Students who want a refund must:

1. Return permit to Cashier's Office during the first two weeks for regular semesters and the first week during Summer/ Intersession terms.
2. Students must fill out a parking permit refund request.

All refunds will be credited back to the original card used. No cash refunds will be provided.

Associated Student Organization Refund Policy: The ASO sticker fee will be refunded in full to those students who completely withdraw from all classes within the first two weeks of instruction. Request for a refund must be in writing and be accompanied by the sticker and cashier receipt. Submit them in the Student Life Office in T300 G. Refunds will be mailed to the address on file with the college within 2 weeks.

Refunds of the Student Health Services Fee are subject to the same refund policy as enrollment fees.

Federal Refund Policy

Students receiving Title IV Federal Financial Aid may be required to repay all or a portion of the funds received based upon withdrawal date from all classes. Students who owe a repayment to the Title IV programs are not eligible for funding at AVC or any other college or university. Contact the Financial Aid Office for additional information.

Title IV Federal Financial Aid includes Pell Grants, Supplemental Educational Opportunity Grants, Federal Work Study, and Direct Loans.

Student Rights to Privacy of Educational Records

The Family Educational Rights and Privacy Act of 1974 (Section 438, Public Law 93-380), as amended, requires that educational institutions provide the student access to official education records and an opportunity for a hearing if such records are inaccurate, misleading, or otherwise inappropriate. In addition, the college must obtain the written consent of the student before releasing information about the student with the exception of those persons or agencies specified in the act. These rights extend to both present and former students of the college.

The Act provides that the college may release certain types of "directory information," unless the student submits in writing to the Dean of Enrollment Services that certain or all such information not be released without the student's consent. "Directory Information" is defined as the student's name, address, telephone number, date and place of birth, major field of study, participation record in college sponsored activities and sports, weight and height (if an athletic team member), dates of attendance, degrees and awards, and the educational institution of most recent attendance.

Under FERPA, personally identifiable information from an eligible student's record will be provided to another school in which the student seeks or intends to enroll.

Education records will be made available for inspection and review during working hours to presently and formerly enrolled students within five days following the filing of a request form with the Dean of Enrollment Services. Education records generally include documents and information related to admission, enrollment in classes, grades and related academic information.

Should a student wish to challenge any information in the education records, the student may file a written request with the President to remove information recorded and alleged to be: (a) inaccurate; (b) an unsubstantiated personal conclusion or inference; (c) a conclusion or inference outside of the observer's area of competence; or, (d) a statement not based on the personal observation of a named person. Attempts will be made to resolve the problem within 30 days after a challenge is made. The student may appeal the president's decision and submit a written appeal to the Board of Trustees.

A Partnership

Student Success and Support Programs is the process which brings the college and a student who enrolls for credit into an agreement for the purpose of developing and realizing the student's educational objectives. This agreement acknowledges responsibilities of both parties to enable students to attain their objectives efficiently through the college's established programs, policies and requirements.

Matriculation is a process designed to help students be successful in reaching their educational goals. All students, except those exempted on the basis of locally established criteria are required to complete matriculation requirements.

Matriculation Services

The college provides matriculation services organized in several interrelated components.

1. **Orientation:** Acquaints students with college facilities, programs, services, academic expectations, procedures, policies, rights and responsibilities. New students will not be allowed to register until they have completed the AVC Online Orientation. (See Exemptions Section).
2. **Assessment:** Measures students' abilities in language, computation, learning and study skills, and assesses students' interests and values related to the world of work. In addition to helping students with course selection, assessment results are used to determine referral to specialized support services.
3. **Counseling/Advisement:** A process in which students meet with a counselor to develop an individual educational plan, choose specific courses, and update their plans periodically.

Student Responsibilities

Each matriculated student is expected to:

1. Declare a specific educational goal.
2. Declare a major course of study following the completion of 15 semester units of degree applicable credit course work or three semesters, whichever comes first.
3. Attend classes regularly and complete assigned course work.
4. Make a Counseling appointment and cooperate in the development of a student educational plan, abide by the terms of this plan or approved revisions and make continued progress toward the defined educational goal.

Student Rights

Each matriculated student is entitled to:

1. Participate in the process of developing his/her student educational plan.
2. Be given equal opportunity to engage in the educational process regardless of gender, marital status, physical handicap, race, color, religion or national origin.
   (A student who alleges he/she has been subject to unlawful discrimination may file a grievance with the V.P. of Student Services.)
3. Challenge any prerequisite, corequisite, or limitation on enrollment by filing a Prerequisite Challenge form at the Counseling Center in the lobby of the Student Services building. A petition can be filed for any of the following reasons:
   a. The prerequisite, corequisite, or limitation on enrollment is not valid because it is not necessary for success in the course for which it is required.
   b. The student has the knowledge or ability to succeed in the course despite not meeting the stated prerequisite, corequisite, or limitation on enrollment.
   c. The prerequisite, corequisite, or limitation on enrollment is discriminatory or is being applied in a discriminatory manner.
   d. The prerequisite, corequisite, or limitation on enrollment is not reasonably available.
4. Request a waiver of any matriculation requirement on the basis of extraordinary circumstances by filing a petition with the Dean of Counseling and Matriculation.
5. Review the matriculation regulations of the California Community Colleges and exemption criteria developed by the District and file a complaint when he/she believes the college has engaged in any practice prohibited by these regulations. The regulations are available and complaints may be filed with the Dean of Counseling and Matriculation.

The Basic Components of Your Partnership with AVC

The college agrees to:	You agree to:
• Assess your career goals. • Orient you to the college's programs, services and policies. • Provide top-quality instruction. • Provide a wide variety of courses. • Offer support services to assist you in achieving your educational objectives.	• Declare an educational goal. • Attend classes. • Complete assigned coursework in your courses. • Meet with a counselor to complete an educational plan. • Seek out support services as needed. • Make progress toward your educational goal each semester.

TOGETHER, WE CAN CONTRIBUTE TO YOUR EDUCATIONAL AND PERSONAL SUCCESS!

Special Accommodations

Alternative matriculation services are available for students who require special accommodations in the educational setting.

1. Students with physical, visual, communication or learning disabilities are advised to contact the Office for Students with Disabilities.
2. Students who speak English as their second language may request to speak with a bilingual counselor in the Counseling Center.

Exemptions

Students can be exempted from participating in Orientation and Assessment matriculation activities based on the following criteria.

Orientation Exemptions

1. Students who have completed an associate degree or higher from an accredited college or university.

2. Students who enroll in less than 12 units *and* have one of the following educational goals:
   a. Advancement in current job/career (upgrade job skills).
   b. Maintain a certificate or license (e.g., nursing, real estate).
   c. Personal development (intellectual, cultural, recreational).
3. Students who are matriculated at another college or university and are attending AVC concurrently.

Assessment Exemptions

1. Students who have completed an associate degree or higher from an accredited college or university.
2. Students who enroll only in courses that have no prerequisites, corequisites, or advisories for recommended preparation.
3. Students who meet one of the alternative assessments for writing placement, mathematics placement, and English as a second language placement listed below.

Placement Alternatives

Students may be excused from taking English as a Second Language (ESL), English and/or mathematics placement by providing proof (e.g., transcripts, test result reports, etc.) of one of the following:

Writing

1. College Board Advanced Placement English Test score of 3 or higher (results in credit for ENGL 101 or ENGL 101, 102 depending on exam taken).
2. Satisfactory completion of English courses at other regionally accredited colleges or universities.
3. Passing of the CSU English Equivalency Exam (results in credit for ENGL 101, 102).
4. California State University System Early Assessment Program (EAP): "Standard Exceeded: Ready for CSU or participating CCC College-level English courses." Eligible for ENGL 101.
5. Expository Reading and Writing Course (ERWC) - a full-year college preparatory English course for high school seniors. Passing BOTH semesters with a "C" or better results in placement into ENGL 101. (Limited to identified high schools)

Mathematics

1. College Board Advanced Placement Calculus Test score of 3 or higher (results in credit for MATH 150 or MATH 150, 160 depending on test taken).
2. Satisfactory completion of math courses at other regionally accredited colleges or universities.
3. California State University System Early Assessment Program (EAP): "Standard Exceeded: Ready for CSU or participating CCC College-level math courses.
4. Senior Mathematics Accelerated Program (SMAP) - a full-year college preparatory Math course for high school seniors.

   Passing BOTH semesters with a "C" or better results in placement into transfer-level math.

English as a Second Language (ESL)

1. Satisfactory completion of ESL courses at other colleges or universities.

Counseling/Advisement Exemptions

1. Students who have completed an associate degree or higher from an accredited college or university.
2. Students who enroll in less than 12 units and have one of the following educational goals:
   a. Advance in current job/career (upgrade job skills).
   b. Maintain a certificate or license (e.g., nursing, real estate).
   c. Personal development (intellectual, cultural, recreational).
3. Students who are matriculated at another college or university and are attending AVC concurrently.

Students who meet these criteria may request to be exempt from part or all of the matriculation components by filing a Matriculation Waiver form with the Dean of Enrollment Services.

Assessment

Writing and Math Placement

Based on Assembly Bill 705 which took effect on January 1, 2018, students will be placed into transfer-level English and Math courses using their high school performance records. Placement into these courses will be determined by high school grade point average and high school coursework. Placement may also include recommendations to access optional support services while taking transfer-level courses. Students that do not have applicable or usable high school performance data will be referred to a counselor for assistance in deciding their English and Math course options.

English as a Second Language Assessment

Students with a background in a language other than English may obtain assistance by contacting the ESL counselor. The ESL counselor can assist students with ESL course placement.

Evaluación de Inglés como Segundo Idioma

Los estudiantes con un idioma diferente al inglés pueden obtener asistencia contactando al consejero de ESL. El consejero de ESL puede ayudar a los estudiantes con la colocación en cursos de ESL.

Prerequisites, Corequisites, Advisories on Recommended Preparation, and Limitations on Enrollment

Definitions

Prerequisite – A condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. A prerequisite will assure that a student has the skills, concepts and/or information necessary for success in the course; on the other hand, a student who has not met the prerequisite is *highly unlikely to receive a satisfactory grade in the course.* (See Satisfactory Completion of Prerequisites.) Prerequisites are enforced and a student will be blocked from enrolling if the student does not meet the stated prerequisite (see below for challenge procedure).

Corequisite – A condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. Corequisites are enforced and a student will be blocked from enrolling if the student does not meet the stated prerequisite (see below for challenge procedure).

Advisory – A condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

Limitation on Enrollment – A condition of enrollment which limits how students qualify for a particular course or program. These limitations apply to courses that include public performance or intercollegiate competition where a tryout or audition is necessary. Additionally, some courses require formal admission to a particular program in order to enroll (e.g., Associate Degree Nursing Program and Licensed Vocational Nursing Program). Limitations on enrollment are enforced and a student will be blocked from enrolling if the student does not meet the stated limitation (see below for challenge procedure).

Satisfactory Completion of Prerequisites

If a course is listed as a prerequisite for another course, that prerequisite course must be completed with a satisfactory grade in order to enroll in the next course. According to Title 5, Section 55200(d), a satisfactory grade is a grade of "A," "B," "C" or "P". Students who enroll in classes for which they do not meet the prerequisites will be involuntarily dropped. Students will be notified of this involuntary drop.

Challenge Procedure

A prerequisite, corequisite, or limitation on enrollment challenge as required by Title 5, Section 55003 requires the submission of a Prerequisite Challenge form. This form can be obtained from the Counseling Center in the Student Services Building. A student may file a Prerequisite Challenge form for one or more of the following reasons:

1. The student has the documented knowledge or ability to succeed in the course or program despite not meeting the prerequisite or corequisite (T5: 55003).
2. The student will be subject to undue delay in attaining the goal of his or her educational plan because the prerequisite or corequisite course has not been made reasonably available (T5: 55003).
3. The prerequisite or corequisite has not been established in accordance with the district's AP&P process for establishing prerequisites and corequisites (T5: 55003).
4. The prerequisite or corequisite is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner (T5: 55003).
5. The prerequisite or corequisite is in violation of this section (T5: 55003) which states that "a prerequisite will assure that a student has the skills, concepts, and/or information necessary for success in the course.

It is the responsibility of the student to provide compelling evidence and documentation to support a prerequisite challenge. If there is no documentation provided, the challenge will automatically be denied. Contact the Counseling Center in the lobby of the Student Services building to initiate a prerequisite challenge. NOTE: If space is available in the course when a student files a challenge, the district will allow the student to register in that course and resolve the challenge within five working days from the time the challenge was submitted and date stamped. If the challenge is upheld or the district fails to resolve the challenge within the five working-day period, the student shall be allowed to remain in the course. If the challenge is denied, the student will be automatically withdrawn from the course.

Academic Honesty Policy

Dishonesty, including but not limited to cheating or plagiarism. Plagiarism–from the Latin word for "kidnap"–involves using another's work without giving proper credit, whether done accidentally or on purpose. This includes not only words and ideas, but also graphs, artwork, music, maps, statistics, diagrams, scientific data, software, films, videos and the like. The complete Academic Honesty Policy is on Page 37 of this catalog.

Academic Renewal

Process by which a student may petition AVC to eliminate previous substandard work from grade point calculations and credit. Details for academic renewals are listed on Page 34 of this catalog.

Academic Year
(Title 5, Section 55701)

An Academic Year includes, at a minimum, 175 days of instruction and/or 32 weeks of instruction. The academic year does not include summer or other intersessions.

Add Authorization Code (AAC)

A four digit code that may be used by a student to add a class online after the class begins. The codes may not be used after the published registration add date.

Advisory on Recommended Preparation

A condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

Assessment

Assessment is a process of gathering information about individual students to facilitate student success. Assessment may include, but is not limited to, information regarding the student's study skills, English language proficiency, computational skills, aptitudes, goals, learning skills, career aspirations, academic performance, and need for special services.

Associate in Arts/Science Degree (A.A./A.S.)

To earn an associate degree at AVC, a student must complete a minimum of 60 semester units of a prescribed program of study, including general education, major coursework, and elective requirements, with a cumulative 2.0 GPA. Additional information is detailed on Pages 49-50 of this catalog.

Associate in Arts/Science for Transfer Degree (AA-T/AS-T)

The graduation document issued by AVC for completing 60 units, with a cumulative grade point average of 2.0 or higher, including requirements in general education (Cal-GETC/IGETC/CSU GE) and 18 or more units in a designated major or area of emphasis. Additional information is detailed on Pages 49-50 of this catalog.

Bachelor of Arts/Science Degree (B.A./B.S.)

To earn a baccalaureate degree at AVC, a student must complete a minimum of 120 semester units of a prescribed program of study, including general education, major coursework, and elective requirements, with a cumulative 2.0 GPA. Additional information is detailed on Pages 49 & 59-60 of this catalog.

Certificate

AVC offers the following: Certificate of Achievement, Certificate of Proficiency, Certificate of Competency, and Certificate of Completion. For more information please see Pages 54-56.

Certification (Cal-GETC, IGETC, or CSU GE Breadth)

General Education (GE) certification allows California Community College students to fulfill lower-division general education requirements for transfer to the UC or CSU systems. To obtain certification, students must complete required courses in designated subject areas with specific grade requirements, typically a 'C' or better. AVC verifies that students transferring to a CSU or UC have fully or partially met GE requirements upon the student's request to the transcript department. Certification ensures students do not need to retake lower-division GE courses after transferring, streamlining their path to a bachelor's degree.

Class Schedule

Issued prior to each semester's registration period on the college's website at www.avc.edu, lists the days and hours of each class offered, its location, faculty, material fee and other pertinent class information. The class schedule may include: summer, fall, intersession, and spring.

Continuous Enrollment

Continuous attendance for catalog rights is defined as attendance in either fall and/or spring semesters in each calendar year. Note: a student will lose catalog rights if there is no course notation (Grade, W, I, Pass/No Pass, RD) on the transcript for two consecutive, primary (fall/spring) semesters. Neither Summer nor Intersession may be used to maintain continuous enrollment.

Corequisite

A condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. Additional information about corequisites is detailed on Page 18 of this catalog.

Credit

Certification of a student's successful completion of a course, usually expressed in number of units earned.

Curriculum

All the classes offered by a college or classes offered in a particular subject.

Disqualification

The procedure of dismissing a student from AVC for poor academic and/or progress achievement for three consecutive semesters. Details for dismissal are listed on Page 36 of this catalog.

Distance Education

Title 5, Section 55000 defines Distance Education as a means of instruction in which the instructor and student are separated by distance and interact through the assistance of communication technology. Antelope Valley College offers Online courses.

Online Courses

Certain courses are offered via distance education to provide an opportunity for students to complete the majority of the course requirements from a remote location. Participants will have the chance to interact with the instructor and other students using a variety of technologies.

AVC offers Fully Online (FO) sections, Fully Online-Live (FOL) sections, Partially Online (PO) sections, Online–Proctored Assessment (O-PA) sections, and Hy-Flex (Hy-F) sections. Refer to the class schedule for detailed descriptions of each section type. These courses will assist students with nontraditional work schedules and/or home responsibilities in the pursuit of their education. The class schedule provides a listing of the courses being offered online each semester.

Educational Program
(Title 5, Section 55000 (m))
An Educational Program is an organized sequence of courses leading to a defined objective, a degree, a certificate, a diploma, a license, or transfer to another institution of higher education.
All Educational Programs must be approved by Academic Policies & Procedures Committee (AP&P), the Board of Trustees, and the Chancellor's Office.

General Education
A specific group of course requirements, usually outside of and in addition to the student's major, that must be met in order to obtain an Associate or Bachelor's degree.

Guidance, Academic
A student who has attempted 12 semester units of AVC credit shall be placed on Academic Guidance levels 1, 2, or 3 when the earned overall GPA in all units attempted at AVC is less than 2.0. Additional information on academic guidance is detailed on Page 36 of this catalog.

Guidance, Progress
A student who has enrolled in at least 12 semester units of AVC credit is placed on Progress Guidance levels 1, 2, or 3 when the percentage of all units in which a student has enrolled with entries of W, I and NP "grades" reaches or exceeds 50 percent. Additional information on progress guidance is detailed on Page 36 of this catalog.

Incomplete Grade
I (Incomplete) is a temporary grade status given to a student who has participated in the course and is in satisfactory academic standing but unable to complete academic work for unforeseeable, emergency, and justifiable reasons. Incompletes may only be issued after the twelfth (12) week of a regular semester class or after 75% of a short-term or summer class. An Incomplete Contract must be completed and the terms and conditions agreed upon by both the student and faculty. The condition for removal of the "I" and the grade to be assigned in lieu of its removal shall be stated by the instructor in the contract which will be held on file in the Admissions Office. The agreed upon terms and conditions must be satisfied no later than one year following the end of the academic term in which the "I" was assigned.

Limitations on Enrollment
A condition of enrollment which limits how students qualify for a particular course or program. Additional information is detailed on Page 19 of this catalog.

Pass/No Pass Option ("P"/"NP")
(Title 5, Section 55022)
Type of class grading in which the student is given the grade of "P" (pass) or "NP" (no pass) rather than a letter grade of an "A," "B," "C," "D" or "F." A "P" grade indicates that the work was equivalent to "A," "B" or "C" and unit credit is given. An "NP" grade indicates that the work was less than satisfactory and no units are awarded. "P" and "NP" grades are not counted toward the student's grade point average. A maximum of 12 Pass/No Pass units may be applied toward the fulfillment of the requirements for the A.A. or A.S. degree and a maximum of 6 Pass/No Pass units may be applied toward the fulfillment of the requirements for the certificate. Some classes are offered on a "P/NP" basis only, while others may be taken as "P/NP" at the student's option. Additional details for "P/NP" are listed on Page 30 of this catalog.

Placement
The use of validated assessment measures to specify the highest course or courses a student is eligible to enroll in and recommendations about supports to successfully complete that course.

Prerequisite
A condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. A prerequisite will assure that a student has the skills, concepts and/or information necessary for success in the course; on the other hand, a student who has not met the prerequisite is highly unlikely to receive a satisfactory grade in the course. Prerequisites are enforced and a student will be blocked from enrolling or involuntarily dropped after enrolling if the student does not meet the stated prerequisite. Additional information on completion of prerequisites is listed on Page 18 of this catalog.

Program Change
Official process of adding or dropping a class/classes from a student's course of study. Students should confer with a counselor prior to such action.

Registration
Official process of enrolling in classes. The process must be repeated each semester in which the student wishes to enroll. Additional information about registration is detailed on Page 14 of this catalog.

Residence Determination Date
The residence determination date is the day immediately preceding the opening day of instruction of the semester as set by the district governing board. Additional information on residency is listed on Page 13 of this catalog.

Satisfactory Grade
According to Title 5, Section 55023, a satisfactory grade is a grade of "A," "B," "C," or "P".

Subject to Dismissal
Severest form of warning as a result of poor grades or lack of progress.

Transcript
An official record of the student's academic record at a college, including course units and grades earned, and semesters of attendance.

Transfer Courses
Classes which are accepted for credit at four-year colleges toward a Bachelor's degree. The course descriptions in this catalog specify whether a course is transferable to the CSU and/or UC.

Unit (or Credit)
A value which indicates the amount of credit given to a class on a student transcript. It often reflects the amount of time required for class attendance. Thus, a three-unit (or three-credit) lecture class would require class attendance for three hours per week.

Waitlist
Waitlists are a way for students to express interest in enrolling in a closed course. If a seat opens before the course begins, student on the waitlist may be given an opportunity to register. Students on the waitlist are not guaranteed enrollment.

Withdrawal
Process by which the student officially drops any class or all classes in a semester. Additional information on withdrawal is detailed on Page 36 of this catalog.

Welcome to Campus Services

At AVC, we are dedicated to providing a comprehensive range of services to support and enhance your campus experience. From academic resources to student support, we strive to create a vibrant and inclusive community.

Admissions and Records 722-6300 ext. 6504

The major functions of the Admissions and Records department are admitting and registering students, processing grades, verifying graduation requirements, issuing student transcripts and enrollment verifications. The efforts of the Admissions and Records Office culminate in producing an accurate and timely official student transcript which supports AVC students with employment, transfer or other personal growth endeavors.

Assessment Center 722-6300 ext. 6536

The Assessment Center provides accommodated and make-up test proctoring and placement services in the areas of Mathematics and English.

Basic Needs 722-6300 ext. 6685

Antelope Valley College understands the students' academic success is affected by their ability to meet their fundamental basic needs such as housing, food, clothing and other essentials. We strive to connect students with resources both on-campus and in the community to maximize student success. AVC actively builds connections and collaborates with community partners to promote awareness of resources to all students, faculty and staff to help students meet their basic needs and achieve their educational goals. For more information contact our team at basicneeds@avc.edu

Behavioral Intervention Team BIT/CARE

The Behavioral Intervention Team is dedicated to a proactive, coordinated and planned approach to the identification, prevention, assessment, management, and reduction of interpersonal and behavioral threats to the safety and well-being of Antelope Valley College students, faculty, staff, and visitors. The goals are to provide a safe environment for members of the college community, and to promote peace of mind for friends and family of the college community.

Bookstore 722-6300 ext. 6545

Marauder Bookstore is an on-campus store serving the students, faculty and staff of Antelope Valley College with pride since 1959. The bookstore's primary goal is to support your academic career by providing needed course materials at reasonable prices. We also provide spirit gear and other general merchandise supplies.

The bookstore has locations on the Lancaster campus, in the Student Center building, and at the Palmdale Center.

Visit us at our website, avc.bncollege.com, for all of your class needs.

CalWORKs 722-6300 ext. 6326

The California Work Opportunity and Responsibility to Kids (CalWORKs) progam is a state-funded initiative that provides financial assistance and employment-focused support to low-income families with dependent children. At Antelope Valley College, CalWORKs serves students who are currently receiving county CalWORKs cash aid for themselves and at least one eligible child.

The program's goal is to help students transition from public assistance to self-sufficient employment through education, training, and supportive services. CalWORKs offers individualized academic and career counseling, case management, coordination with county social services, assistance with books and supplies, referrals to campus resources, and priority registration.

Antelope Valley College has a strong history of CalWORKs student success, with participants earning degrees and certificates and transferring to four-year institutions. The program is committed to student empowerment, academic achievement, persistence, and completion.

Eligibility: Students must be receiving county CalWORKs cash aid for themselves and their dependent child(ren).

Career Center 722-6300 ext. 6340

The Career Center services provided include individual advising appointments for major and career exploration, workshops and presentations, and career and occupational information. Career assessment and career planning information through Kuder Journey, a web-based career assessment and information systems, that is accessible with an AVC subscriber code provided by the Career Center. For in-depth career assessment, individual appointments are available for the administration and interpretation of the Strong Interest Inventory/Myer-Briggs Type Indicator Career Report with Strong Profile and Strong College Profile.

Cashier's Office 722-6300 ext. 6335

The Cashier's Office manages student financial transactions, including the collection of tuition, fees, and other payments. It also processes refunds for dropped classes or overpayments, oversees student account inquiries, and manages payment plans or holds. Additionally, the office handles the disbursement of financial aid and scholarships while ensuring compliance with district and state financial policies. Providing essential customer service, the Cashier's Office plays a key role in maintaining smooth financial operations for students and the college.

Child Development Center 722-6300 ext. 6500

The Antelope Valley College Child Development Center (CDC) is an on-campus instructional laboratory which provides developmental programs for children two-and-a-half to five years of age. The state preschool provides a subsidized half-day program to eligible children ages two-and-a-half through five years old. The CDC is licensed by the State of California.

The purposes of the CDC are to:

- Provide a comprehensive program of services for children two-and-a-half to five years of age.
- Serve as a model center for the education and care of young children.
- Demonstrate family-centered early childhood education practices through home/school collaboration and parent education.
- Serve as a professional development site for Early Childhood Education Certificate preparation.

The CDC is open 7:45 a.m.- 4:15 p.m. Monday through Friday, with morning and/or afternoon sessions. Enrollment is open to students, faculty, staff and the community. Application forms are available at the Child Development Center.

Commencement 722-6300 ext. 6620

Commencement is one of the biggest events on campus, celebrating the dedication and hard work our students have invested to earn their degrees and certificates, and it takes place at the end of each Spring term to recognize these important achievements. Students who will be completing their degree requriements in the current academic year's Fall and Spring semester or the following Summer semester are eligible to participate in the ceremony. For more information on Commencement or the steps to complete, please visit our website: https://www.avc.edu/Commencement

Counseling Center 722-6300 ext. 6338

(Title 5, Section 51018)

Academic and Career Counseling

For academic or career counseling, counselors are available to:

- Assist students in self-understanding and self-acceptance (clarifying values and understanding abilities, interests and limitations).
- Assist students in their consideration of life goals by relating interests, skills, abilities and values to careers, the world of work and the nature and purpose of higher education.
- Assist students in developing educational and career plans consistent with life goals and objectives (alternative courses of action, alternative career considerations and selection of courses).
- Assist students in developing decision making skills.
- Provide accurate information about institutional policies, procedures, resources and programs.
- Make referrals to other institutional or community support services.
- Assist students in evaluation or reevaluation of progress toward established goals and educational plans.

ESL Counseling

For persons whose native language is not English, Antelope Valley College offers classes in English as a Second Language (ESL). Students who need assistance for ESL assessment and selecting appropriate ESL courses should contact the Counseling Center. For assistance in Spanish, call (661) 722-6300 ext. 6338. Appointments with a Spanish/English bilingual counselor may be scheduled by calling or coming into the Counseling Center.

Consejería ESL

Antelope Valley College ofrece clases de Inglés como Segundo Idioma (ESL) para personas cuyo idioma nativo no es el Inglés. Los estudiantes que necesiten asistencia para nuestra evaluación de ESL y para seleccionar los cursos apropiados de ESL pueden llamar al Centro de Consejería. Para asistencia en Español, llame al (661) 722-6300 ext. 6338. Para hacer una cita con un consejero bilingüe en Español / Inglés puede llamar o acercarse al Centro de Consejería.

Students are encouraged to schedule an individual appointment with a counselor to make most efficient use of the services outlined above.

CSUB (661) 952-5000

California State University, Bakersfield has a wide variety of academic programs offered on the Antelope Valley College campus. These include certificate, baccalaureate, graduate and teaching credential programs that are offered as complete programs.

Current baccalaureate offerings include Communications, Economics, English Environmental Resources Management, Liberal Studies (Elementary Education), Psychology and Sociology. Certificate programs include Drug and Alcohol Counseling. Masters' programs include Educational Curriculum and Instruction, Educational Administration and Special Education. Students may receive academic advising and student services at the CSUB Antelope Valley campus office.

Dreamers Center 722-6300 ext. 6313

The Dreamers Center is located in SSV 180, Student Services Building. Our mission is to serve all undocumented students, AB540 students, DACA recipients, and students from mixed-status families. We provide information and resources to promote college admissions, persistence, graduation, transfer, and careers.

Services:

- California Dream Act Information and Assistance
- Scholarship Resources for Dreamers
- Deferred Action for Childhood Arrivals (DACA) Information and Referrals
- Workshops
- Academic and Career Guidance
- Confidential and Supportive Environment

Find out more information online: https://www.avc.edu/dreamcenter

Extended Opportunity Program and Services (EOP&S) 722-6300 ext. 6363

Extended Opportunity Programs and Services (EOP&S) is a program designed to assist educationally disadvantaged students who have a financial need and want to attend college. Antelope Valley College EOP&S receives State and District funds to recruit, enroll and support these students who may not otherwise seek higher education.

EOP&S provides: counseling, priority registration, program orientations, textbooks and/or financial grants, career and transfer assistance as well as appropriate referral to additional services as needed. Our professional, paraprofessional and student staff members are genuinely concerned with the academic success and personal development of each student in the program.

Cooperative Agencies Resources for Education (CARE)

Any EOP&S-eligible students who are TANF participants with at least one child and single head-of-household may also be eligible to receive additional grants and services.

Apply at the EOP&S Office (SSV 230) for these programs as early as possible prior to the beginning of the fall or spring semesters.

Find out more information online: www.avc.edu/studentservices/eopscare

Financial Aid 722-6300 ext. 6337

The purpose of the financial aid program is to provide financial assistance to students who, without such aid, would be unable to attend Antelope Valley College. It is directed toward insuring that a student will not be denied a college education because of lack of personal resources. Although it is expected that students and parents will make a maximum effort to meet the cost of education, financial aid is available to fill the gap between family resources and the annual educational expenses.

Financial aid is available from various sources such as federal and state programs, community organizations and individual donors. Aid can be awarded in the form of grants, loans, college work-study employment, scholarships or a combination of these.

The amount of financial aid offered to students is determined by the difference between their educational expenses and the financial contribution their families can make toward these expenses.

The **priority deadline is March 2nd** before the next academic year of enrollment. Students may continue to apply for financial aid after the priority deadline. Go to https://studentaid.gov to apply online.

General Eligibility Requirements

Financial aid programs are available only to students who meet the following eligibility requirements:

1. A student must be a United States citizen or an eligible noncitizen.
2. A student must demonstrate financial need.
3. A student must be enrolled in an eligible program which leads to an A.A./A.S. degree or a one to two-year program leading to a certificate.
4. A student may not owe a refund on any grant received from any college or be in default on a federal loan.
5. A student must maintain satisfactory academic progress as defined by the Financial Aid Office.

A student must have a complete file in the Financial Aid Office to be considered for any program. Completing the Free Application for Federal Student Aid (FAFSA) is the first step in applying for financial aid. Information on the available sources of financial aid at AVC can be obtained in the Financial Aid Office located in the Student Services Building.

Federal Student Financial Aid Programs

1. *Federal Pell Grants* - To receive a Pell Grant a student must be enrolled in an eligible program at AVC.
2. *Federal Supplemental Educational Opportunity Grant (FSEOG)* - This is awarded to students with exceptional financial need and is available on a funds available basis.
3. *Federal Work-Study (FWS)* - This program provides jobs for students who have a need and must earn a portion of their educational expenses. The purpose of this program is to promote the part-time employment of college students. Jobs are available on campus such as teacher aides, library assistants, and clerks. Students should contact Job Placement to locate a job.
4. *Federal Direct Loan Program* - These are low-interest loans made by the Department of Education. A student may borrow up to the annual limit determined by class standing each school year. Repayment begins six months after the borrower ceases to be enrolled at least halftime.

State Programs

1. *California College Promise Grant (CCPG) (formerly known as Board of Governors Fee Waiver)* - The CCPG waives the mandatory college enrollment fee required by the State of California. The fee waiver can be processed quickly and students can register immediately for classes. To be eligible for the CCPG, a student must be a California resident or AB 540 student according to Admission and Records, and have completed the Free Application for Federal Student Aid (FAFSA). Students who are not eligible to complete the FAFSA may qualify for a fee waiver by completing the California College Promise Grant Application.
   Loss of Fee Waiver Eligibility (Title 5, sections 58621 and 55031) - After two consecutive primary terms of not meeting academic progress standards students will lose the fee waiver eligibility. Loss of eligibility begins with the "student's" first registration opportunity after notification. Students may appeal the loss of the California College Promise Grant due to changes to student's economic situation, evidence that student was unable to obtain essential support services and special consideration of factors for CalWORKS, EOP&S, OSD, Promise Program and Veteran students. Fee Waiver Appeals that apply to both Enrollment Priority and the California College Promise Grant include extenuating circumstances, student with disabilities not receiving timely services and significant academic improvement. Foster Youth, as defined in Education Code 66025.9 (b) shall not be subject to the loss of California College Promise Grant under the above sections.
   Dream Act Application - AVC students may complete the online 2026-2027 Dream Act Application starting October 1, 2025 to receive Cal Grants, Chafee Grants and some scholarships beginning with the Fall 2026 semester at all CSU, UC, California Community Colleges, and private four year colleges/universities. For more information on the California Dream Act and to access the California Dream Act application, go to the following link: dream.csac.ca.gov
2. *The AVC Promise Program Tuition Assistance* is a state-funded tuition reimbursement program aimed at first-time college students who are ineligible for the CCPG (formerly known as the Board of Governors Fee Waiver). Tuition reimbursement is for the mandatory college enrollment fee required by the state. To be eligible for the AVC Promise Program, a student must be a California resident or AB 540 student according to Admission and Records and have completed the Free Application for Federal Student Aid (FAFSA) or California DREAM Act application. Students must be currently enrolled full-time with 12 or more units (15 units to Finish). Tuition assistance may also be available for the student in their second year if they continue to meet the program requirements in consecutive terms. The AVC Promise Program tuition assistance will end after the completion of the second academic year.
3. *Cal Grant A* helps low and middle-income students pay tuition and fees at California State University and University of California campuses, independent colleges and some private occupational career schools in California. Cal Grant A recipients who choose to attend a community college may be eligible for a Community College Reserve Grant (CC Reserve). CC Reserve recipients may hold their award in reserve up to two years until they transfer to a four-year school. (Community Colleges that are participating in Baccalaureate Degree Pilot Program BDP)
4. *Cal Grant B* is for high-potential students from disadvantaged or low-income families who otherwise would not be able to pursue a postsecondary education. At a community college, the award is limited to a subsistence grant for non-tuition costs.
5. *Cal Grant C* helps vocationally oriented students acquire marketable job skills within a short time period. A Cal Grant C may not be used to pursue a four-year degree program, graduate study, course prerequisites or general education.

6. *Student Success College Completion Grant (SSCG)* is for students who must be enrolled in at least 12 units and also receiving a Cal Grant B or C award. The SSCG is a stackable grant, designed to work in conjunction with other financial aid.

The student applies for the Cal Grant Program prior to March 2nd, for the next academic year they will enroll, or prior to September 2nd of the year they are enrolled.

Other sources of financial assistance for students include: (1) Aid to Families with Dependent Children (AFDC) and the Food Stamp Program, available through the County welfare offices; (2) Veteran's benefits (apply at AVC); (3) Department of Vocational Rehabilitation for disabled students; and (4) scholarships.

Focus 180 Program 722-6300 ext. 6375

The Focus 180 Community and program is geared to provide assistance through intentional, integrated, and welcoming educational and related services that span the institution and the Antelope Valley community, with the aim being to improve the educational attainment and reentry success of justice impacted students and their families. The mission of Focus 180 is to create opportunities for exploration and to foster the skills necessary to translate college experiences into meaningful and successful careers and lives. www.avc.edu/students/student-services/equity/focus-180

Information and Welcome Center/Outreach 722-6300 ext. 6331

The Information and Welcome Center/Outreach, located in the Student Services lobby, provides information on college programs, policies and procedures and services. It promotes the college to prospective students from elementary to high school and to community agencies and groups. Guided campus tours, welcome tables, high school orientations, college and financial aid workshops are just some of the sponsored events.

International Students Program 722-6300 ext. 6331

Antelope Valley College welcomes students from all nationalities who desire to study in the United States. We accept students with F-1 category visas who enroll full-time at the college. We currently have international students representing 14 countries in attendance at the college. International students who seek admission to AVC may receive application materials from the website www.avc.edu/studentservices/intl or visit the Welcome Center located in the Student Services building, main lobby. Prospective students must provide the International Student Information Form, a valid passport and current F-1 Visa, a letter of recommendation, a minimum TOEFL score of 45 (450 if paper test), official high school transcript and diploma, college transcripts, current bank statements with a minimum balance of $18,000 (USD), the AVC Sponsorship Form and Affidavit of Sponsorship (notarized), a copy of deed, lease or rental agreement; and proof of medical insurance. Students transferring in from another US college must also provide the AVC Transfer Form and a copy of their recent I-20.

Study Abroad 722-6300 ext. 6331

Antelope Valley College believes it is important for students today to cultivate an informed and sensitive awareness of all parts of the world in order to better co-exist with other nations and with people from different cultures. Studying abroad can be an enlightening, maturing and life-changing experience. As students live in and learn to understand different cultures, they are challenged to re-examine themselves, their attitudes and their studies. AVC's program invites students to study in London for the Fall semester and Spain for the Spring semester in collaboration with the Southern California Foothills Consortium for Study Abroad. This is a cooperative venture among the community college districts of Antelope Valley College, Barstow Community College, Chaffey College, Citrus College, College of the Canyons, College of the Desert, Crafton Hills College, Mira Costa College, Mt. San Antonio College, Mt. San Jacinto College, Rio Hondo College, San Bernardino Valley College and Victor Valley College in partnership with The American Institute for Foreign Study (AIFS). This partnership allows students to make normal progress toward their undergraduate degrees while utilizing foreign resources and cross-cultural experiences. Students who attend other community colleges and universities are welcome to apply. Financial aid is available to eligible students. More information can be found at www.avc.edu/studentservices/studyabroad

Information Technology Services 722-6300 ext. 6535

Antelope Valley College (AVC) has more than 2,500 computers available for student, faculty and staff access, offering Internet service, e-mail and a diverse selection of software applications. The Information Technology Services (ITS) area provides a stable information technology (IT) infrastructure and protects the accessibility, integrity and availability of the District's IT resources.

Services and support provided by ITS include:

- Internet-based resources and interaction capabilities for students, including online registration and payment services, course-based e-mail, file sharing and other functions. (myavc.avc.edu)
- More than 30 computer labs, including designated labs open to any enrolled student.
- E-mail accounts and e-mail management for AVC students, faculty and staff.
- Campus web site. www.avc.edu
- Telephone and telecommunications services.
- Network print services (over 800 printers) and shared file services.
- On campus Help Desk support for all IT services.
- Support for electronic databases and other automated Library services.
- Support for online learning (coordinated by the Distance Education Committee).
- Support for video conferencing services (scheduling facilitated through the Instructional Multimedia Center).
- Student records and administrative database system for students and faculty.
- Assistance in developing alternative media (such as Braille documents or closed captioned videos) or implementing assistive technologies (such as computer screen enlargers/magnifiers or specialized computer pointing devices) to accommodate persons with disabilities (coordinated by the Office for Students with Disabilities, OSD).
- Identification cards for students and employees (facilitated by the Office of Student Development).
- District Software Library providing license management for software products.
- Technical training, online time reporting, calendar system, telephone directory, electronic forms and documents, and other IT services for employees.
- Standardized computer and printer configurations and procurement management.
- Mandated reporting and administrative computing services.

Instructional Multimedia Center (IMC)

722-6300 ext. 6451

The Instructional Multimedia Center (IMC) is located on the first floor of the Business Education building. The IMC houses equipment and multimedia for student, staff and faculty use. Students are encouraged to use the IMC as a resource for term paper research, to reinforce and improve study skills or for personal growth. The IMC houses media from all disciplines ranging from "Becoming a Master Student" to "Jerry Maguire"—all the right tools to help students study smarter and get better grades.

Job Placement Center

722-6300 ext. 6358

The Job Placement Center (JPC) is a resource and information center available to current students, alumni, and community members. The JPC assists students to become fully prepared to search for employment opportunities that are in line with their educational goals and career objectives. Students are encouraged to apply for employment opportunities on-and-off campus, work study, work experience programs or internships that will provide the skills and experience needed to secure part-time employment while in college and/or permanent employment once they have completed their certificate or degree. Students, alumni, and community members are encouraged to use the JPC services including, videotaped mock interviews, resume consultation, job seeking skills, and other workshops that meet their individual needs and the needs of our local economy.

Learning Center

722-6300 ext. 6458

The Learning Center, located in Sage Hall, provides academic support for AVC students. Students can receive tutoring for most classes as well as assistance with improving their study behaviors. Tutors work with students individually and in small groups to both understand the course material and learn new study strategies. We have Group Tutoring (formerly known as Supplemental Instruction) for some science, math, and language classes. Instructors can request Embedded Tutors to support their students during in-class instruction. Learning Center faculty in the areas of math, writing and academic skills work one-on-one with students to analyze their learning needs and create individual learning plans for improvement. We present academic study skills workshops on topics such as time management, note-taking, memorization, test preparation, etc., as well as math and writing workshops that target specific skills for those areas. The Learning Center also offers noncredit courses in Managing Writing Anxiety (LAC 920), Math Study Strategies (LAC 922), and Managing Math Anxiety (LAC 923) in addition to three levels of noncredit tutor training courses (LAC 931, 932, and 933).

The faculty and staff of the Learning Center support students in the following ways:

- Open study space
- Individual tutoring, virtually and in person
- Group tutoring
- Workshops and reviews
- Consultation with a faculty Learning specialist
- Laptops, headphones, anatomy models, and other study tools
- Similar services at the Palmdale campus.

Learning Disabilities

722-6300 ext. 6360

Services and disability related counseling are available for students with learning disabilities. Students experiencing significant difficulty in one or more of the areas of listening, speaking, reading, writing, reasoning, or mathematical skills, despite good overall ability, can meet with a Counselor in the Office for Students with Disabilities (OSD) to discuss program eligibility.

Students who qualify may receive a number of support services. Services available include liaison with instructors, alternative testing, use of audio recorders, recorded textbooks, Kurzweil 3000, volunteer notetakers, academic and vocational advisement and registration assistance.

Library

722-6300 ext. 6533

Students should consider the AVC Library their first stop when researching topics for papers or class projects. The Library provides access to periodical databases, print and electronic reference materials, and a collection of over 50,000 print and electronic books to support the college curriculum and students' pursuit of educational goals. All Library databases and e-books are accessible both on and off campus through EBSCO Discovery Service (EDS), which is the gateway to our electronic resources.

Our Library faculty are available to assist with basic and in-depth research questions and to offer instruction in the use and evaluation of library and internet resources. These librarians help students develop search strategies and improve their information literacy skills. The Library reference desk is the point of contact for students (and faculty) seeking assistance from librarians on their information needs. Library faculty also teach credit courses in Library Studies (transferable to CSU), both in-class and online through Canvas.

Additional services available from the AVC Library include online tutorials and research guides, group study rooms, copy machines, and computers to use for online research purposes. Research Methods Workshops are also available. Librarians, in collaboration with other faculty, use these workshops to teach students the research skills needed to complete specific assignments. The Library also offers services and resources at the Palmdale Center. For more information visit the Library's website at: www.avc.edu/studentservices/library

Marauder Promise

722-6300 ext. 6478

Marauder Promise

THE PROMISE: Through intentional community engagement and holistic support, the Marauder Promise program empowers students to thrive academically, personally, and professionally within a supportive cohort model—guiding them toward successful degree completion, seamless transfer to four-year institutions, and readiness to enter the workforce.

"We Are More Than Just a Promise"

The Marauder Promise aims to create equitable pathways to student success by providing financial assistance, fostering peer mentorship, and supporting academic and professional skill development. Find out more information online: https://www.avc.edu/students/student-services/marauder-promise

First Year Experience

The First Year Experience program is designed to support the successful academic and social transition of new students into the college community. The program provides orientation, registration assistance, educational advising, AVID for Higher Education strategies, designated courses, peer mentoring and on-going workshops, all aimed at giving first-year students the tools they need to successfully advance through to graduation and beyond. All first time students to AVC are members of the FYE program. Find out more information online: https://www.avc.edu/students/student-life/first-year-experience

Second Year Experience

The Second Year Experience (SYE) program is designed to support the successful academic and social advancement of continuing students through to completion of their educational pathway. The program provides registration assistance, educational advising, high engagement strategies, peer mentoring; on-going events and workshops, all aimed at giving second-year students the tools they need to successfully advance to transfer to a four year institution and/or their career of choice. All second year students to AVC are members of the SYE program. Find out more information online: https://www.avc.edu/students/student-life/second-year-experience

Marketing & Public Information

722-6300 ext. 6312

Marketing and Public Information oversees all college communications, marketing and branding activities, and consults with divisions and departments to provide marketing strategy, guidance and direction.

- Oversees promotion of the college through digital, print and social media.
- Serves as the point of contact for all media requests (newspaper, television, radio).
- Manages the intake, tracking and response to Public Records Requests.
- Regularly produces AVC's e-newsletter "Campus Update" to inform the college community of news and information.
- Oversees AVC's brand identity and quality control in publications, digital and promotional pieces.
- AVC liaison with all government entities-state, federal and local.

Office for Students with Disabilities (OSD)

722-6300 ext. 6360

The Office for Students with Disabilities provides services to students with physical and cognitive disabilities which limit them educationally. The program promotes the concept of equal educational opportunity for the disabled through integration into regular college classes and activities. Support services are provided as needed and may include registration assistance, disability related counseling and academic planning, equipment loan, sign language interpreters, real time captioning, readers, volunteer notetakers and alternative text production.

An adaptive physical education class (KINF 100) offers students an individualized exercise program, including swimming and weight training.

A complete program with support services is also available for students with learning disabilities. This program focuses on accommodations and academic strategies to support a student's educational, functional limitations as a result of their disability. An academic accommodation plan is developed for each student.

The OSD program maintains working relationships with the Department of Rehabilitation, private rehabilitation agencies, local high schools and other community organizations. Services are also provided to students with temporary disabilities.

Puente Program

The Puente Program provides students with the following:

1.an accelerated, transfer-level writing course sequence that incorporates Mexican American/Latinx and other multicultural authors, experiences, and issues;

2. counseling that provides students with sustained, in-depth, career and academic guidance throughout their enrollment at the community college; and

3. mentoring by members of the professional community who are recruited, trained, and matched with students to share with them career advice and their personal experiences of integrating culture and family with academic and professional success. Puente is open to all students.

Reflect. Improve. Succeed. Excel (R.I.S.E.) Program

722-6300 ext. 6365

Welcome to the Antelope Valley College Reflect. Improve. Succeed. Excel. (R.I.S.E.) Program page. Our office provides individual counseling and workshops with the specific purpose of assisting students to regain academic good standing with the college.

Scholarships

722-6300 ext. 6391

(Title 5, Section 55750)

Antelope Valley College offers numerous scholarships. The AVC Foundation manages the annual scholarship program with an open application process from December through February. Scholarship funding is provided by donations from individuals, clubs, and community organizations. Scholarships are available for incoming, continuing or transferring students. The average scholarship award is $1,000 and can be based on career or academic interest, grade point average, community service or involvement, and leadership.

Additionally, AVC's Financial Aid Office receives requests for scholarship applications from independent providers which are made available to students. These scholarships offer a wide range of criteria options.

SOAR

722-6300 ext. 6509

AV SOAR (Students On the Academic Rise) is an early college high school with the Antelope Valley Union High School District which is located on the Antelope Valley College campus. Students take both high school classes and college classes simultaneously with the goal of earning their high school diploma in four years and an associate degree. SOAR provides a supportive, flexible and academically enriched environment with an emphasis in mathematics, science and engineering. SOAR high school is designed to promote academic achievement, social maturity and enhanced economic opportunities through the completion of high school and success in college.

Student Equity 722-6300 ext. 6375

The Student Equity Program (SE) program is designed to engage, connect, and value our students and their success by hosting events, implementing programs and activities that nurture, direct, and create focus in their lives both academically and socially giving them a sense of community. These programs, events, and activities aim to provide culturally enriching opportunities to enhance literary knowledge, tolerance, historical empathy, and critical thinking.

Student Equity also provides collaborative support to initiatives on campus and supports professional development for faculty and staff. To find out more information or to sign up for Student Equity sponsored programs visit our office or go online: www.avc.edu/administration/organizations/equity

Student Leadership and Engagement

The Student Support Services office is designed to assist students in the development of citizenship and leadership. Students can become involved in all aspects of leadership, government and college activities through a number of volunteer opportunities. The Student Support Services office is located in the HUB office 102.

Student Governance Opportunities

Each spring semester, an election is held to fill the Student Trustee position. The Student Trustee serves as a member of the AVC Board of Trustees and advises the Board on issues as they prepare to vote on college matters. Qualifications for the Student Trustee can be obtained from the Student Support Services office.

Associated Student Organization

Associated Student Organization (ASO) has an elected Executive Board and Senators. Students can also become involved by serving on ASO and AVC committees or joining a club. ASO provides a number of services for students with the purchase of an ASO sticker such as free admission to all home athletic events (except post season, tournaments and playoffs), discounts to restaurants and businesses, and other campus programs and activities.

Student Clubs and Organizations

All registered students are eligible for membership in AVC clubs and organizations of their choice. Students are encouraged to form additional organizations to meet their needs and interests. All new clubs and organizations are a part of the Inter-Club Council (ICC) after approval from the Board of Trustees. Having a minimum of 10 students, a faculty advisor and completing the necessary paperwork is all that is needed to begin. The Student Support Services office assists all clubs in processing paperwork and in maintaining all the club's financial records and banking needs.

Student Activities

Student Activities Council (SAC) is the student-run programming group of the Student Support Services office. Students who want to be a part of planning campus-wide activities are encouraged to join. New ideas are welcome. Through SAC, students interact with campus clubs, organizations and offices to provide social, cultural, educational and recreational opportunities for students.

Additional questions or information about eligibility and qualifications for any of the services listed may be obtained in the Student Support Services office located in the HUB office 102.

Student Support Services 722-6300 ext. 6354

The Student Support Services Division includes the following departments:
Behavioral Intervention Team BIT/CARE
Student Life
Associated Student Organization (ASO)
Inter Club Council (ICC)
Marauder Promise Program

Student Support Services is responsible for working with additional programs on campus as well, including but not limited to:

- Annual Commencement Ceremony celebrating AVC graduates.
- Meetings with the Dean for guidance and support services.
- Marauders with a Cause - Students will be able to gain volunteer experience on and off campus.
- Campus posting policies.
- Student Activities
- Civic & Voter Engagement

To contact our Student Support Services department please call us at extension 6354 or email us at: studentlife@avc.edu

Transcripts/Enrollment Verification 722-6300 ext. 6130

Official transcripts may be requested in the Transcript Office or by mail. The Transcript Office, (661) 722-6300 ext. 6130, will provide information on current transcript fees or visit www.avc.edu/studentservices/transcripts.

Enrollment verifications may be obtained at the Transcript Office. Requests will be processed on a first come, first served basis. Students must pay all fees associated with their enrollment before transcript and verification requests can be processed. Transcript and Verification services are not provided by e-mail or fax.

Transfer Center 722-6300 ext. 6326

The Transfer Center provides services to assist students who are interested in transferring to a four-year college or university. Presentations that cover a variety of transfer related topics, one-on-one appointments with counselors, and application workshops are services offered to students. Additionally, university representatives are available by appointment to provide counseling and up-to-date information regarding their admission requirements, financial aid, housing facilities, majors and much more.

Veterans Resource Center 722-6300 ext. 6342

It is the responsibility of the Veteran student to submit official Joint Service Transcripts (JTSs) for evaluation and consideration of potential credit for prior learning.

The Veterans Resource Center (VRC) is located on the first floor of SSV. The center is designed to recognize and support veteran students and their families as they make the transition from the military to student life. The VRC offers a computer lab, homework space, lounge area, and kitchenette. The VRC also hosts a variety of specialized events for the student veteran, servicemember and their families throughout the academic year. The VRC's mission is to provide the resources, support, and advocacy needed to be successful in the classroom and ultimately in life.

The VRC provides a dedicated area to connect and relax with other students who share common backgrounds, experiences, and goals. Camaraderie is the key objective. The VRC helps to provide a true network for veterans to learn about other benefits available to them on campus and in the community.

Antelope Valley College, under the purview of the California State Approving Agency for Veterans Education and the Department of Veterans Affairs, certifies enrollment for both certificates and degrees. Veterans, servicemembers and their families receiving VA education benefits must be enrolled in a program that leads to an Associate degree or Certificate. Veterans who have completed the necessary enrollment steps and have a DD214 on file with the Veterans Resource Center may be eligible for priority registration. **The VA will only pay for in-state tuition and fees. If a student is considered a non-resident, it is their responsibility to update their residency status or pay any out-of-state fees not covered by the VA.**

Service Members using Tuition Assistance (TA) education benefits must speak with their Educational Service Officer (ESO) or counselor within their Military Service prior to enrolling at Antelope Valley College.

Open Enrollment of Classes

(Title 5, Section 51006)

Antelope Valley College maintains that all courses are open to any person who has been admitted to the college and who meets the course prerequisites. The governing board of the District has adopted a resolution to this effect, as follows:

"Be it resolved, that the policy of this District is that, unless specifically exempted by statute or regulation, every course, course section, or class, reported for state aid, wherever offered and maintained by the District, shall be fully open to enrollment and participation by any person who has been admitted to the college and who meets such prerequisites as may be established pursuant to Section 55003 of Division 6 of Title 5 of the California Code of Regulations." Title 5 of the California Code of Regulations is available at https://govt.westlaw.com/calregs_ and in the AVC Library.

Grading Policy

(Title 5, Section 55021)

Each course provides for measurement of student performance in terms of the stated course objectives and culminates in a formal recorded grade. The grade is based on demonstrated proficiency in subject matter and the ability to demonstrate that proficiency, at least in part, by means of essays, or, in courses where the curriculum committee deems them to be appropriate, by problem-solving exercises or skills demonstrations by students. Title 5 of the California Code of Regulations is available at https://govt.westlaw.com/calregs and in the AVC Library.

Grading System

(Title 5, Section 55021 and 55023)

Final grades are issued at the end of each semester and are available on the Web at www.avc.edu. Their significance is as follows: "A," Excellent; "B," Good; "C," Satisfactory; "D," Passing, less than satisfactory; "F," Failing; "I," Incomplete; "W," Withdrawal; "P," Pass; "NP," No Pass; "RD," Report Delayed; "MW," Military Withdrawal; and "EW," Excused Withdrawal. Title 5 of the California Code of Regulations is available at https://govt.westlaw.com/calregs and in the AVC Library.

Grade Points

A system of grade points is used to determine a student's standing for graduation or transfer. Grade points are assigned to the respective grades as follows: for each unit of credit, the scholarship grade of "A" is assigned 4 points; "B," 3 points; "C," 2 points; "D," 1 point; "F," "W", "EW", "MW" and "I," no points. A student's work is considered satisfactory when he/she maintains an average of "C" or 2.0 grade point average (GPA) or higher. According to Title 5, Section 55023, a satisfactory grade is a grade of "A," "B," "C" or "P".

Withdrawal Grades (Title 5, Section 55024)

Students who withdraw from class before ten percent (or second week, whichever is less) for full term courses, of the semester receive no notation on their academic record. After such time a record of all classes will be entered on the permanent record for all students. A notation of "W" will be made indicating a withdrawal from a specific course. A student may withdraw from full-term length classes up to the 12th week of the semester. The academic record of a student who remains in class beyond the 12th week must reflect a grade of "A," "B," "C," "D," "F" "P," "NP," or "I" (incomplete).

A student who completes a course by taking a final exam or turning in a final paper or project is not eligible for a late withdrawal under any circumstance.

Incomplete Grades

I (Incomplete) is a temporary grade status given to a student who has participated in the course and is in satisfactory academic standing but unable to complete academic work for unforeseeable, emergency, and justifiable reasons. Incompletes may only be issued after the twelfth (12) week of a regular semester class or after 75% of a short-term or summer class. An Incomplete Contract must be completed and the terms and conditions agreed upon by both the student and faculty. The condition for removal of the "I" and the grade to be assigned in lieu of its removal shall be stated by the instructor in the contract which will be held on file in the Admissions Office. The agreed upon terms and conditions must be satisfied no later than one year following the end of the academic term in which the "I" was assigned.

Pass/No Pass Option

Students attending AVC have the option, up to the end of the second week of classes (full term), of taking classes for a grade of Pass/No Pass in lieu of a grade of "A," "B," "C," "D" or "F." Students exercising the Pass/No Pass option must fulfill all course requirements. Classes in which this option is available are indicated in the online schedule of classes. The following policies govern Pass/No Pass courses at AVC:

- A maximum of 12 Pass units may be applied toward fulfillment of requirements for the A.A. or A.S. degree.
- A maximum of 6 Pass units may be applied toward requirements for a certificate.
- A maximum of 6 Pass units per semester may be taken.
- A grade of "A," "B" or "C" earned for a class will be posted to the transcript as a grade of "Pass." A grade of "D" or "F" will be posted as a grade of "No Pass." The unit value of the class will be listed on the transcript, but grade points will not be posted to the record or counted in computing the GPA.

Students are cautioned that other colleges and universities may restrict the acceptance of courses taken on a Pass/No Pass basis, especially for satisfaction of general education and major requirements. Students planning to transfer should check college catalogs for applicable policies.

The Pass/No Pass option is elected by the student per the deadline specified in the class schedule and cannot be reversed.

Audit Policy

Education Code 76370 permits community colleges to allow individuals to audit courses, that is, to sit in without participating in class activities or being required to take exams. The intent is to provide individuals with opportunities to explore areas of interest without being subject to the demands of class activities or evaluation and grading. An additional intent is that faculty will not have additional work required because of the presence of individuals auditing courses.

In accordance with Education Code 76370, students at Antelope Valley College and community members will be permitted to audit courses only if the admission of auditors will not result in credit students being denied access to a course. However, auditing may not be appropriate for all sections of a course or for all courses even if class seats are available.

Audit petition forms are available from Admissions and Records in the Student Services Building. The forms will not be accepted until after the first week of classes; instructor approval and payment of fees to the cashier is required prior to attending classes.

Fees

A fee of $15 per unit will be charged with the exception that students enrolled in ten or more units of credit classes at AVC will not be charged to audit 3 or fewer units. These students will be charged to audit more than 3 units at the $15 per unit rate. **NOTE**: The per unit enrollment fee may change without notice, subject to mandates issued by the State of California.

Responsibilities

Students and other individuals will be invited to participate in class activities at the discretion of the instructor; however, the instructor is not required to evaluate in any way class activities and projects. Auditors may not take quizzes and examinations and will not receive a grade.

An individual auditing a course will not be permitted to change his or her audit status to a credit status. An individual enrolled in a class for credit will not be permitted to change his or her credit status to an audit status.

Individuals who are auditing a course and are not enrolled in any courses as credit students will not be entitled to any of the services or privileges provided to currently enrolled students. State Education Code is available at https://govt.westlaw.com/calregs and in the AVC Library.

Dean's and President's Lists

Antelope Valley College publishes a Dean's List and President's List each fall and spring semester to recognize those of its students who excel academically. Students who earn between a 3.5 and 3.74 grade point average (GPA) are recognized on the Dean's List; those earning between a 3.75 and 4.0 GPA are recognized on the President's List. To be eligible for either list, students must complete at least 12 units in a given semester. Courses taken on a pass/no pass basis will not be used in computing GPA.

Graduation with College Honors

There are three levels of graduation with honors based solely on the student's graduating grade point average.

3.25-3.49 Cum laude (honors)
3.50-3.74 Magna cum laude (high honors)
3.75-4.00 Summa cum laude (highest honors)

Students who earn this honor may purchase a gold tassel.

Honors Transfer Alliance Program (TAP)

Antelope Valley College's Honors Transfer Alliance Program (TAP) offers a highly enriching pathway for transfer students. The Honors TAP program is dedicated to catering to a diverse student body by providing unique opportunities for one-on-one collaboration through faculty-led Honors Options Projects. It also entails engaging learning experiences in Honors courses characterized by smaller class sizes (21 students max), enhanced student interaction, rigorous writing assignments, research activities, and the development of presentation skills.

Moreover, the Honors Transfer Alliance Program (TAP) provides students with the advantage of priority consideration for admission to numerous major universities within the state and nationally. Transfer agreements between Honors programs are facilitated by the Honors Transfer Council of California (HTCC) www.honorstransfercouncil.org.

Open to all students at the college, Honors Courses and Options exemplify the program's commitment to equitable education. However, the program benefits are exclusively to formally admitted students through an application process.

For more information about Honors TAP, please visit www.avc.edu/honors.

Law Scholars Program

The Community Colleges Pathway to Law Program (2+2+3) is a statewide initiative developed by the State Bar's Council on Access and Fairness (COAF) and coordinated by California Law (californiaLawInc.com). The program helps students develop critical thinking and reasoning skills while gaining exposure to law related fields. Students who complete the program and transfer degree requirements receive a California Law certificate. Students can major in any degree and transfer to any four-year institution for their bachelor's degree. Upon applying to law school, partnering law schools will offer preferential consideration for admissions.

Law scholars are required to complete seven core courses—most of which fulfill general education transfer requirements to a UC or CSU campus. They must also participate in select activities and complete service-learning hours related to law, policies or government related law through assorted activities and service learning opportunities. Students can apply online at www.avc.edu/academics/lawscholar

The following requirements must be fulfilled to establish eligibility and enrollment into the Law Scholars Program:

1. Meet with a law program counselor every semester.
2. Complete the required transfer level courses.
3. Join the pre-law club.
4. Complete 5 service hours per semester by attending activities.
5. Maintain the highest possible GPA, within a minimum of 2.0.

Independent Study

(Title 5, Sections 55230 et seq.)

A college level course which is accepted for completion of an appropriate educational sequence leading toward an associate degree and which is recognized upon transfer by an institution of the University of California or the California State University system as meeting either elective or major requirements for a baccalaureate degree may be offered as independent study. Independent study of up to five units can be taken and must be approved by the instructor, dean and Vice President of Academic Affairs.

Acceptance of Credits from Regionally Accredited Colleges/Universities

Antelope Valley College accepts lower-division college level courses (except some religion and theology courses) transferred from regionally accredited colleges and universities. These courses are evaluated for applicability (please see "Transferring College Work to AVC" section) to all programs, including certificates and associate degrees. **There is no guarantee that courses completed at another college will be accepted to satisfy AVC degree or certificate requirements.**

Upper Division Coursework

Effective Fall 2026, the unit limitation that previously restricted the use of upper-division coursework to satisfy lower-division requirements has been removed. Upper-division units may now be applied on a case-by-case basis, pending review and approval by the appropriate faculty. This flexibility remains subject to the residency requirement for awarding a degree as specified in Title 5 §55062. ***Please note:*** Upper-division coursework may not be used to satisfy major preparation requirements for AD-T degrees.

The Regional Accrediting Organizations are listed below:

·Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges
·Higher Learning Commission (HLC)
·Middle States Commission on Higher Education (MSCHE)
·New England Commission of Higher Education (NECHE)
·Northwest Commission on Colleges and Universities (NWCCU)
·Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)
·WASC Senior College and University Commission (WSCUC)

Transferring College Work to AVC

College work completed at regionally accredited institutions may, upon review, satisfy course requirements for certificates, associate's, and bachelor's degrees offered by AVC (see above for list of regionally accrediting agencies). Acceptable coursework has been properly approved pursuant to Title 5, Section 55002(a), or, if completed at other than a California community college, would reasonably be expected to meet the standards of that section.

If you are planning to use the courses completed at another regionally accredited institution toward AVC requirements (general education and major), you must:

1. Submit all official transcripts to the Transcript Office.
2. Request a transcript evaluation appointment via an "appointment request form".
3. During the appointment, it may be deemed necessary to submit courses to discipline faculty for their review using an Equivalency/Substitution Request form. See below for Equivalency/Substitution request process. As such, a transcript evaluation appointment does not guarantee that your education plan will be completed the same day.
4. Syllabi will likely be required for any course evaluation submitted for discipline faculty review.

Please note: For a course to be considered for equivalence, the course must have the same unit value as the AVC course or meet the minimum subject credit requirement of 3 semester units (or 4 quarter units). Coursework cannot be combined in an effort to be considered equivalent to one course offered at AVC.

Upper Division Coursework

Effective Fall 2026, the unit limitation that previously restricted the use of upper-division coursework to satisfy lower-division requirements has been removed. Upper-division units may now be applied on a case-by-case basis, pending review and approval by the appropriate faculty. This flexibility remains subject to the residency requirement for awarding a degree as specified in Title 5 §55062.

Please note: Upper-division coursework may not be used to satisfy major preparation requirements for AD-T degrees.

Equivalency/Substitution request process:

1. The counselor will submit the course for review by discipline faculty.
2. Once discipline faculty have made a decision, the signed request is sent back to the Counseling Department.
3. The Counseling Department forwards the signed document to the Graduation Office for their reference.
4. Counselors update the education plan based on the final decision reflected on the signed document. The student may then schedule a follow-up appointment with a counselor.

Please note, not all courses completed elsewhere are deemed comparable to AVC specific courses or transfer specific requirements.

Airframe Manufacturing Technology (AFMT) Bachelor's Degree Program

Antelope Valley College (AVC) does not accept externally completed coursework to satisfy major and/or upper division course requirements in Aircraft Fabrication & Assembly (AFAB), Airframe and Powerplant (AERO), and Airframe Manufacturing Technology (AFMT).

Acceptance of Non-Traditional Credit and External Examinations

Under specific circumstances, students may transfer units of credit from a non-regionally accredited college or university to AVC. Students must consult with an AVC counselor and submit official documentation of credit (transcript) and an in-depth description of the course (Syllabus) as courses will require approval by the discipline faculty and department dean. If courses are approved, their credit(s) may be applied to certain AVC local degrees only.

These credits cannot be applied toward university transfer requirements.

Sources of Nontraditional Credit:

1. Military Programs and Experience
   a. Community College of the Air Force
   b. DANTES Subject Standardized Tests
   c. Military Service Schools
   d. Military Service-Basic Training (DD 214 required for verification)
2. Non-Regionally Accredited Institutions
   Transfer credits from non-regionally accredited institutions or professional/vocational institutions will be considered if:
   a. The institution from which the credits were earned was authorized as a degree granting institution by the state in which it resided at the time the credits were earned **and**
   b. The institution generated a transcript of student performance that listed course titles and units of credit in either semester or quarter units **and**
   c. The course description of record/syllabus is determined to be equivalent to the course description of record of a similar course at Antelope Valley College or as a course fitting the Cal-GETC General Education pattern.
3. Law Enforcement Training
   a. California "Post" Academy
   b. California Highway Patrol
   c. L.A. Police Department Academy
4. Health Sciences
   a. Registered Nursing - LVN Advanced Placement
   b. Bachelor of Science Degree Respiratory Care - Advanced Placement for CoARC approved program/coursework
5. Federal Aviation Administration (FAA)
   a. FAA Academy—Airway Systems Specialist
   b. ASE Auto Body/Automotive Certification
   c. Airframe and Powerplant License
   d. SpaceTEC Aerospace Technology Certification
6. Cal State University English Equivalency Exam
7. Corporate Training Programs
8. Credit for Prior Learning petitions are reviewed in the Academic Divisions.
9. Foreign Colleges or Universities

Note: Evaluation must be completed by an approved foreign credentials evaluation service. AVC accepts evaluations completed by the National Association of Credential Evaluation Services (NACES). For a list of approved providers, please visit naces.org.

External examination credits may be applied toward university transfer requirements.

Additionally, certain external examinations may also be considered for local AVC degree credit and/or transfer credit providing the student achieved the minimum score required.

10. Advanced Placement Exams of the College Entrance Examination Board (AP) (See Page 46)
11. College-level Examination Program (CLEP) (See Page 47)
12. International Baccalaureate (IB) (See Page 48)

Additional information regarding completed courses at international institutions: Students who have satisfactorily completed courses from a foreign nation's appropriately accredited university may be able to apply the course credits toward a degree at AVC. Students should consult a counselor BEFORE requesting to have credits evaluated, because the time it takes to evaluate a large number of units can delay enrollment. Courses must first be evaluated by a credential evaluation agency approved by NACES, and then reviewed by an AVC counselor.

Some courses may also require approval by the discipline faculty and department dean. If courses are approved, their credit(s) may be applied to certain AVC local degrees only. These credits cannot be applied toward university transfer requirements. Note: Evaluation must be completed by a NACES approved provider (naces.org). **Foreign coursework from non-US regionally accredited institutions may not be used to satisfy transfer requirements.**

Credit by Articulation (2+2)

Articulation in education is a process that contractually allows two or more educational systems to move students from one program/course within an educational level to the next level without loss of time or resources. The goal is to offer high school students: (1) A seamless educational transition from high school to AVC without duplicating course content and/or competencies; (2) College credit applicable to local AVC degrees; (3) Attainment of prerequisite requirements to enable students to enroll in more advanced college courses; and (4) Incentives to pursue postsecondary education through AVC.

The College currently has articulation agreements in many courses with several local public, charter, and private schools. For a list of articulated courses or for more information, please contact the Counseling office in your local high school or contact AVC's Admissions and Records Office.

NOTE: AVC cannot guarantee that these courses will be accepted by other colleges or universities in satisfaction of transfer requirements (general education and/or major preparation).

Credit by Examination

Board approved May, 2004.

Students requesting credit by examination must be currently enrolled students actively participating in courses for that semester, and be in good academic standing. (Students may not be registered in the class they wish to challenge by exam.) Students may receive credit by examination for a course only if it has been designated by the Antelope Valley College faculty and is listed in the AVC catalog. Students may challenge a maximum of four courses during their enrollment at AVC. (A list of courses for which credit by examination may be granted is also available in the Counseling Center.)

It is the responsibility of the faculty in the discipline who normally teach the course to determine the nature and content of the examination based upon the policies and procedures approved by the curriculum committee (AP&P). The examination must clearly measure the students' mastery of the course content as listed in the Course Outline of Record. A separate examination must be given for each course for which credit by examination is granted. Faculty may accept an examination conducted at a location other than the college if prior arrangements have been made. (Credit may be awarded for prior experience or learning only if a course has been designated as such.) Credit received is not applicable for financial aid, veteran's pay, or athletic eligibility.

Grades shall be awarded according to the standard grading scale ("A"-"F"). Before taking the examination, students may request a pass/no pass option only if that option is normally available for the course. Pass will be granted to any student who satisfactorily passes the examination with a "C" or better. The result of the examination, with grade and grade points, is entered on the students' record and shall be clearly annotated to reflect that credit was earned by examination. Units for which credit is earned by examination shall not be counted in determining the 12 semester hours of credit in residence required for a degree or certificate.

Cited from Title 5, Section 55050; and State Education Code is available at https://govt.westlaw.com/calregs and in the AVC Library.

A student currently wishing to challenge a course will have to pay the current per unit fee for courses. This fee may be subject to change without notice.

Students desiring to challenge a course by examination should submit a petition to the Office of Admissions and Records before the end of the fourth week of the semester. Challenge examinations must be completed by Friday of the seventh week of the semester.

Challenge examinations are permitted only in the fall and spring semesters; summer challenge examinations may be permitted for special circumstances.

In the event that a student does not complete the challenge examination, a student may submit a petition for extenuating circumstances for a refund. This form is available in Admissions and Records.

Repeating a Course

If a student receives a substandard grade ("D," "F" or "NP") in a course, he/she may be eligible to repeat the course once without an Extenuating Circumstances Petition approval. Only the most recent grade will be used in calculating the grade point average; however, the previous grade will be coded on the transcript and by law must remain legible. Should a student transfer to another college, Antelope Valley College cannot guarantee the most recent grade will be used in calculating the grade point average.

NOTE: Students will be permitted to withdraw and receive a "W" and/or a substandard grade in a class on no more than three occasions. After two enrollments students will be required to submit an Extenuating Circumstances petition for the third and final enrollment at AVC.

Repetition of courses for which substandard work has not been recorded (grades "A," "B," "C" or "P") may be permitted only upon petition by the student and with the written permission of the Dean of Enrollment Services. Grades awarded for courses repeated under the provisions of this section shall be included when calculating a student's GPA.

Special circumstances under which a student may be allowed to repeat a course in which he/she has received a grade of "A," "B," "C" or "P" are as follows:

1. A period of 36 months has elapsed since the last time the student completed the class, and the student can justify the need to repeat the class as a "refresher course" prior to advancing on to the next higher level of course work.

2. The student needs to repeat the class as a "refresher class" because comprehension of the course material is directly related to success on the job.
3. When a student repeats a class, the previous grade and credit shall be disregarded in the computation of grade point average.
4. Other special circumstances as deemed appropriate by the Dean of Enrollment Services.

Repeatable Courses

(Title 5, Section 55041)

Regulations governing the repetition of credit courses have designated the following types of courses as repeatable:

- Courses for which repetition is necessary to meet the major requirements of CSU or UC for completion of a bachelor's degree.
- Intercollegiate athletics.
- Intercollegiate academic or vocational competition where enrollment in the course and courses that are related in content is limited to no more than four times for semester work. This enrollment limitation applies even if the student receives a substandard grade or "W" during one or more of the enrollments in such a course or petitions for repetition due to special circumstances.
- Instances when such repetition is necessary for a student to meet legally mandated training requirements as a condition of continued paid or volunteer employment. (Title 5, Section 55040-55043, and 55253)
- A student may be permitted to repeat a course due to significant lapse of time. AVC designates three years as significant.
- A student may repeat a course as a result of a significant change in industry or licensure standards such that repetition is necessary for employment or licensure.

A sequence of courses may include more than four courses, but students are limited to a maximum of four enrollments in any family. Further, all grades, including "W" will count toward the four course enrollment limitation and used for computing the grade point average. These repeatable courses are identified in the catalog by the symbol (R) and a number which represents the total number of times the course can be repeated, e.g. (R3) means the course may be taken for a total of four times.

Students may request to repeat a repeatable course to have a substandard grade excluded (before the maximum allowable repeatability is completed) from the student's GPA by submitting a Petition for Extenuating Circumstances to the Dean of Enrollment Services for consideration.

Academic Renewal

A student may petition through the Dean of Enrollment Services to have up to 30 semester units of course work taken at Antelope Valley College eliminated from the computation of Antelope Valley College total grade point average. The approval or disapproval of the petition will take place administratively pursuant to rules stated herein and those approved by the governing board. A student may petition for academic renewal only once, and all units up to 30 must have been taken in consecutive semesters of attendance excluding summer sessions and intersessions. Only "D" and "F" grades may be eliminated from the computation of the GPA under the Academic Renewal Policy.

The student seeking academic renewal must present evidence that the previously recorded work was substandard academic performance and is not reflective of more recently demonstrated academic ability.

Evidence of recent academic ability will be determined by one of the following:

- 12 semester units with at least a 3.0 GPA
- 18 semester units with at least a 2.5 GPA
- 24 semester units with at least a 2.0 GPA

Work taken in the last semester being petitioned must have been completed at least 24 months prior to the date the academic renewal petition is submitted by the student.

Petitions for Extenuating Circumstances

Petitions are formal requests for an exception to or waiver of college procedures (refunds, grade changes, grade removals, etc.) Extenuating circumstances are verified cases of accidents, illness, family, or work obligations and other circumstances beyond the control of the student. Petitions without justifiable documentation are subject to denial and will be returned to the student.

Petitions for changes of grade are done informally with the instructor. If a satisfactory resolution does not occur, the student may appeal the grade to the Division Dean and then to the Vice President of Academic Affairs. Students have one year to appeal after the grade is awarded.

Extenuating Circumstance Petitions may be obtained from Admissions and Records. All petitions will be forwarded to the Petition Committee and/or its designee. Once a determination has been made, notification will be sent by e-mail. Students wishing to appeal the decision regarding a petition should speak with Admissions and Records.

Official Communication to Students (AP 5041)

Students are responsible for reading all official communications from Antelope Valley College (AVC). Methods of communication are students' AVC email, United States Postal Service and printed publications, including (but not limited to), the AVC Catalog, Schedule of Classes, and Student Handbook.

Classroom Decorum

It is not always clear to students what is expected of them when they enter the college classroom. Even though most instructors advise their students the first day of class about the importance of maintaining certain courtesies in the classroom, in order for teaching and learning to take place, students may still have some questions. The following list of "what to do" and "what not to do" may serve as a guide for students and enable them to establish a positive relationship with their professors and to help them become successful students.

DO

1. Come to class on time.
2. Attend class consistently.
3. Complete assignments prior to class.
4. Come prepared to participate in class discussion and activities.
5. Enter the classroom quietly when unavoidably late to class.
6. Notify your professor in advance of an absence when possible or when you are unable to stay for the full class period.

DO NOT

1. Bring children or food to class.
2. Whisper and chat with other students during class.
3. Read or work on other subjects during class time.
4. Noisily enter or leave a class that is in progress.
5. Use curse words in the classroom.
6. Ask if you missed anything important after returning to class from a previous absence.
7. Disrupt the class with distraction or crude behavior.
8. Bring pets.

Attendance Policy

Regular attendance and consistent study are the two factors which contribute most to success in college work. A college student is expected to attend all sessions of the classes in which he/she is enrolled. Failure to attend class can result in a drop or dismissal from class.

When the number of hours a student is absent in a specific course exceed the number of hours the course meets per week, the student may be dropped from the course. If the course is less than sixteen weeks, the faculty will determine at what point the student may be dropped for excessive absences (typically in excess of 1/16th of the course has been missed).

The attendance policy for tardies and/or leaving class early for each course is established by the instructor and should be stated in writing in the syllabus. At the instructor's discretion, tardies and/or leaving class early may be equated to absence(s). While it is the responsibility of the instructors to communicate attendance policies and to apply them equally to all students, it is the responsibility of the students to know the policy in each of their classes and to be aware of their current attendance status.

Attendance for Student-Servicemembers

Antelope Valley College recognizes its responsibility to support our Student-Servicemembers as a military friendly campus, and in compliance with federal regulations, specifically Section 1018 of Public Law 116- 315, the District shall make every effort to accommodate a student who is a member of the Armed Forces of the United States, including the reserve components of the National Guard, during absences necessitated by service in the Armed Forces.

Student-Servicemembers shall (1) communicate an anticipated or ongoing military absence to their instructors as promptly as circumstances permit and (2) provide their instructors and the Veterans Resource Center with written orders as soon as possible, evidencing the dates of their military service.

Student-Servicemembers, in collaboration with their instructors, shall discuss options that are in the best interest of the student's academic progress and service to the country. Faculty may not drop Student-Servicemembers due exclusively to covered military service; therefore, military absences will be classified as excused absences. Documented and permitted military absences shall be in addition to the number of absences allowed by the course attendance policy. In the case of covered service, as required by federal law[1], Student-Servicemember may (1) withdraw from the course without penalty, or (2) receive a grade of incomplete with the option to, and to the extent practicable, complete the required coursework and receive a letter grade for the course.

If a grade of Incomplete is granted, an Incomplete Grade Contract[2] must be completed and the terms and conditions agreed upon by both student, faculty, and appropriate dean. Faculty will have discretion to determine the scope and extent of any changes to the standard course requirements (such as the timeframe in which late assignments will be due); they shall exercise that discretion reasonably under the circumstances and in the spirit of promoting academic progress of Student-Servicemembers.

Approved at CCC on 4/10/24.

[1]https://content.govdelivery.com/accounts/USVAVBA/bulletins/37b3158#:~:text=Public%20Law%20117%2D328%2 C%20which,of%20the%20Armed%20Forces%20(including

[2]See AVC Catalog: Click on "Enrollment Services", then "Academic Policies/Programs", then "Grading Policy".

Online Attendance Policy

Online students are subject to the same attendance policy as are on-ground students. Refer to the Attendance Policy in the current catalog.

Student attendance in online courses is defined as "active participation" in the course, as described in the instructor's course syllabus. Active participation is typically defined as submitting an assignment (such as an exam, exercise, or project element), participating in the discussion forums, or by engagement in other academic events that indicate an online presence within a specified time frame.

Online courses at minimum will have weekly mechanisms that will determine a student's active participation. Instructors will identify specific activities that must be completed during the first week of the course. A student's failure to complete the specific activities by the posted due date will be dropped as a NO SHOW unless the student has made prior arrangements with the instructor.

Student participation will be monitored throughout the course by the instructor. Students who fail to maintain active participation in the online course, as defined in the course syllabus, may be dropped from the course.

Attendance Information

First Day of Class Drop Policy

The first class week of each course is the time that instructors will distribute syllabi, discuss course requirements, and explain what is expected in terms of the attendance and grading policies. Therefore, it is especially important that students attend the first class session of each course. **Students may be dropped if they do not attend the first session regardless of the reason for non-attendance. This is done to allow waiting students an opportunity to enroll. Students should notify instructors by telephone, e-mail, or memo to request an exception to policy.**

Adding Classes

Students may enroll in open classes, without instructor approval, until the day before class begins. Once open registration closes, and before the census day (late registration period), students may only add classes with an AAC and in some cases an add/drop form that is signed by the instructor. Students must meet corequisite and/or prerequisite requirements, which are checked at time of registration. Students may register for classes which begin after regular session starts by Web until the day before class starts.

At the end of open registration when a course is closed, it will remain closed regardless of drop activity, and only the instructor or dean of the division/area may approve student enrollment into a closed class until the last date to add a course. Approval of the Dean of Enrollment Services is required to add a semester length course after the last date to add. After the last date to add, and only under extenuating circumstances will a dean of a division or area recommend to the Dean of Enrollment Services to add students to classes.

Dropping Classes (Title 5, Section 55024)

Following registration, students may withdraw from any course by using the Web registration system or in person registration through the last day to drop with a "W" date. However, non-attendance does not release the student from his/her responsibility to drop. Failure to drop will result in a failing grade.

Inactively enrolled students must be dropped before the census day (usually the 3rd week for full term courses) in accordance with Title 5, Section 58004. "Districts shall clear the rolls of inactive enrollment. Inactive enrollment in a course is defined as follows:

As of each census day, any student who has: (1) been identified as a "no show," or (2) officially withdrawn from the course, or (3) been dropped from the course.

A **no show** student is defined as: An enrolled student who has not attended one or more courses at any time.

"A student shall be dropped if no longer participating in the course, except if there are extenuating circumstances. Extenuating circumstances are verified cases of accidents, illness, other circumstances beyond the control of the student, and other conditions defined by the governing board and published in regulations. The drop date shall be the end of business on the day immediately proceeding the census day."

If a student's absences in a specific class exceed the number of hours the class meets per week, the student may be prohibited from further attendance in the class and may be dropped by the instructor.

Withdrawal From a Class

(Title 5, Section 55024)

A student planning to withdraw from one or more courses must follow the prescribed class withdrawal date procedure. The prescribed withdrawal dates for each class is published in the schedule of classes. Failure to do so will result in the student's being awarded grades by the instructor for each class in which the student registered.

Students will be permitted to withdraw and receive a "W" in a class on no more than three occasions. After two enrollments students will be required to submit an Extenuating Circumstances petition for consideration of the third and final enrollment at Antelope Valley College. An enrollment occurs when a student receives an evaluative or nonevaluative symbol on their academic record.

A student planning to withdraw from all classes and leave school must also pay all loans, fines, fees and resolve any other outstanding obligations.

Students may withdraw from a class by using the Web or in person.

Students should refer to www.avc.edu and click the look-up classes link. Select the appropriate subject and click the specific CRN for withdrawal deadlines and other critical dates.

Academic Progress/Guidance

Antelope Valley College has transitioned from terminologies such as "Academic Probation" or "Academic Dismissal" to mitigate the negative connotations and stigma associated with probation within the community college setting. Through the Reflect. Improve. Succeed. Excel. (R.I.S.E.) Program's student-centered and equity-focused strategies, R.I.S.E. aims to consciously update its language to mirror the institution's commitment to transforming campus culture and emphasizing inclusivity when students do not meet the minimum academic standards outlined in Title 5 policy. R.I.S.E. provides individual counseling and purposeful workshops to assist students with returning to academic good standing with the college.

Placement on Academic/Progress Guidance:

Academic Guidance Formerly known as Academic Probation. A student who has attempted 12 semester units of AVC credit shall be placed on Academic Guidance levels 1, 2, or 3 when the earned overall GPA in all units attempted at AVC is less than 2.0.

Progress Guidance Formerly known as Progress Probation. A student who has enrolled in at least 12 semester units of AVC credit is placed on Progress Guidance levels 1, 2, or 3 when the percentage of all units in which a student has enrolled with entries of W, I, and NP "grades" reaches or exceeds 50 percent. In other words, having an excess of W, I, NP grades can affect the student completion rate.

Levels

- Guidance Level 1 refers to a student's first term on Academic/Progress Guidance.
- Guidance Level 2 refers to a student's second term on Academic/Progress Guidance.
- Guidance Level 3 refers to a student's third term, which is a year or year and a half, on Academic/Progress Guidance not meeting college standards.

Removal from Academic/Progress Guidance:

A student is removed from Academic Guidance and returns to Good Standing when the earned overall GPA in all units attempted at AVC is a 2.0 or higher.

A student is removed from Progress Guidance and returns to Good Standing when the percentage of all units in which the student has enrolled and for which entries of W, I, and NP recorded drops below 50 percent.

Academic Standing Notifications:

California Code of Regulations, Title 5, Section 55034 mandates that each community college must make reasonable efforts to notify students of academic/progress guidance status at the beginning of the term. It requires colleges to provide counseling and support to help students with academic difficulties and to notify them of their removal from guidance level or reinstatement after dismissal within district-established timelines. These policies and procedures must be published in the college catalog.

At Antelope Valley College (AVC), students receive multiple email notifications regarding their academic standing. These communications provide important information about their current status, outline necessary requirements, explain the appeal process, and highlight support programs and services available to help them return to good academic standing. Notifications may include important time-sensitive steps students must complete to continue enrollment without interruption.

Academic/Progress Pause:

California Code of Regulations, Title 5, Section 55033, Article 3 mandates that each community college student on Guidance Level 3 is subject to one-semester enrollment pause, or "academic/progress pause", for a regular semester (fall/spring). To avoid sitting out for one semester, students may submit an Academic/Progress Pause Appeal within the designated timeframe. If the appeal is approved, the student must complete time-sensitive steps to continue enrollment without interruption.

Reinstatement:

A student who is returning to AVC and is on Guidance Level 3 must file a Reinstatement Petition. Upon approval, students must complete the readmission process managed by R.I.S.E. to enroll at AVC.

Attention Veterans:

For students who are eligible to receive educational benefits from the Veterans Administration, if the earned grade point average in all units attempted at AVC is less than 2.0 in each of three consecutive semesters, the college will not certify the student's enrollment to the Veterans Administration for payment of benefits until the student's overall earned grade point average is 2.0 or better.

Standards of Student Conduct

(Please refer to the AVC website for policy updates.)

These policies and procedures are reprinted from the AVC Board Policies Section 5500, Board Approved 04/28/16.

Section 1 - General Provisions

1. The Board of Trustees of the Antelope Valley Community College District expects students to conduct themselves in a manner consistent with the educational purposes of the college. Student conduct must reflect the standards of behavior as defined in pursuant sections (Education Code Section 76030 - 76037). Student conduct should reflect consideration for the rights of others and students are expected to cooperate with all members of the college community.
2. Students shall also respect federal and state laws, board regulations, college regulations, and applicable provisions of civil law.
3. College personnel are responsible for communicating appropriate student conduct and for reporting violations thereof. The vice president of student services or designee has the right to administer suitable and proper corrective measures for misconduct.
4. Nothing in this article shall be construed to limit the authority of the board of trustees to adopt additional rules and regulations as long as they are not inconsistent with the requirements of this article. These additional rules may, among other things, prescribe specific rules and regulations governing student behavior, along with applicable penalties for violations of the adopted rules and regulations, and may clarify appropriate due process procedures, including procedure by which students shall be informed of these rules and regulations. (CA Ed. Code 76037)
5. A student may be removed, suspended, or expelled only for conduct associated with college activities or college attendance. Students may be disciplined for harassment, threats, or intimidation, unless constitutionally protected. Violation of any law, ordinance, regulation or rule pertaining to the parking of vehicles shall not be cause for suspension or expulsion of a student from the college. (CA Ed. Code 76034, 66301 (d)
6. A student may be suspended by the board of trustees, the college president, or vice president of student services for good cause, or when the presence of the student causes a continuing danger to the physical safety of the student or others. The board of trustees may exclude students of filthy or vicious habits, or students suffering from contagious or infectious diseases, or any student whose physical or mental disability is such as to cause his or her attendance to be inimical to the welfare of other students. (CA Ed. Code Sections 76020 and 76030)
7. "Good Cause" may be established by using appropriate investigation standards, such as:
   a) Interview of witnesses.
   b) Review of a Campus Security Report(s), if applicable.
   c) Review of written statements, if applicable.
   d) Review of pertinent documents, if applicable.
   e) Review of any other evidence, if applicable.

Section 2 - Guidelines for Student Conduct

Good cause includes, but is not limited to, the following offenses:

1. Academic Violations
   a) Violation of the Academic Honesty Policy: Dishonesty, including but not limited to, cheating, or plagiarism. Plagiarism – from the Latin word for "kidnap", involves using another's work without giving proper credit, whether done accidentally or on purpose. This includes, but is not limited to, words and ideas, graphs, artwork, music, maps, statistics, diagrams, scientific data, software, films, videos, photography, and the like. Plagiarism is plagiarism whether the material is from published or unpublished sources, including Artificial Intelligence ("A.I."). It does not matter whether ideas are stolen, generated by A.I., bought, downloaded from the Internet, or written for the student by someone else - it is still plagiarism. Even if only bits and pieces of other sources are used, or outside sources reworded, they must still be cited. To avoid problems, students should cite any source(s) and check with the instructor before submitting an assignment or project; it is especially important that a student understands an instructor's individual A.I. policy. Students are always responsible for any plagiarism in their work.
      An instructor who determines that a student has cheated or plagiarized has the right to assign any score or grade deemed appropriate by the instructor for the assignment or examination only. Instructors cannot drop the student from class or fail them from the class for a single violation of the Academic Honesty Policy.
      Antelope Valley College reserves the right to utilize electronic means to investigate possible academic violations. Enrollment in any class implies student agreement and consent that all assignments are subject to submission for textual similarity review to an electronic database. (Board Approved 6/21/04)
   b) Violation of class assignments, examination rules, e.g., communicating or transferring information to another student, using any materials such as books, notes, etc., other than those expressly allowed for the exam, looking at another student's exam, etc.
   c) Unauthorized preparation, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to, handwritten or typewritten class notes, except as permitted by any college policy or administrative procedure.
2. General College Violations
   a) Forgery, alteration, or misuse of college documents, records, identification, or knowingly furnishing false information to the college. Abuse of and/or tampering with the registration process.
   b) Obstruction or disruption of teaching, research, administration, disciplinary procedures, or other college activities, including, but not limited to, its community service functions, or of other authorized activities on college premises.
   c) Engaging in expression which is obscene, libelous or slanderous, or which so incites students as to create a clear and present danger of the commission of unlawful acts on college premises, or the violation of lawful college administrative procedures, or the substantial disruption or the orderly operation of the college.

d) Unauthorized entry into or use of college supplies, equipment, and or facilities.
e) Violation of college policies or of campus regulations including, but not limited to, campus regulations concerning student organizations, the use of college facilities, or the time, place, and manner of public expression, library procedures, college bills, debts, and parking.
f) Theft of, or damage to, property of the college, or of a member of the college community, or campus visitor, or knowingly receiving stolen college or private property on campus.
g) Use of personal portable sound amplification equipment and other electronic devices (radios, cell phones, pagers, and tape players, etc.) in a manner that disturbs the privacy of other individuals and/or the programs of the college.

3. Computer Usage Violations

Theft or abuse of computer resources, including, but not limited to:

a) Unauthorized access to a file, database, or computer to use, read, or change the contents, or for any other purpose.
b) Unauthorized transfer of a file.
c) Unauthorized use of another person's identification and password.
d) Use of computing facilities to interfere with the work of another student, faculty member, or college official.
e) Use of computing facilities to send obscene or abusive messages, or to defame or intentionally harm other persons.
f) Use of computing facilities to interfere with normal operation of the college computing system.
g) Use of computing facilities for student's personal financial gain or for solicitation of any kind.
h) Violation of applicable AVC "Computer Use Guidelines."

4. Behavior Violations

a) Disorderly, lewd, indecent or obscene conduct, or habitual profanity or vulgarity on college-owned or controlled property, or at college-sponsored or supervised functions.
b) Assault, battery, or verbal abuse or conduct that threatens or endangers the health or safety of a student, college personnel, or campus visitor.
c) Hazing or any act that injures, degrades, or disgraces or tends to injure, degrade, or disgrace any student, college personnel, or campus visitor.
d) Gambling on District property.
e) Failure to identify oneself when on college property or at a college-sponsored or supervised event, upon the request of a college official acting in the performance of their duties.
f) Actions, which result in injury or death of a student, college personnel, or campus visitor, or damage to property owned by the district.
g) Failure to comply with directions of college officials acting in the performance of their duties, open and persistent defiance of the authority of college personnel, or persistent, serious misconduct where other means of correction have failed to bring about proper conduct.
h) Unauthorized entry on the campus or into the facility to which access has been denied after suspension or dismissal, during the suspension period. (CA Penal Code 626.2).
i) Committing or attempting to commit extortion.
j) Engaging in harassing or discriminatory behavior based on disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sexual orientation or any other status protected by law.
k) Engaging in intimidating conduct or bullying against another student through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyberbullying.
l) Sexual assault or sexual exploitation regardless of the victim's affiliation with the district.

5. Substance Violations

a) Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in Chapter 2 (commencing with Section 11053) of Division 10 of the California Health and Safety Code, an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, arranging, or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Section 11014.5, on college property, or at any college sponsored event.
b) Willful or persistent smoking, including the use of electronic cigarettes (vapers), in any area where smoking has been prohibited by law or by regulation of the governing board.

6. Weapons Violations

a) Possession or use of any dangerous or deadly weapon or instrument on any college-owned or controlled property or at any college-sponsored or supervised function. For purposes of these guidelines, a "dangerous or deadly weapon or instrument" includes, but is not limited to any: firearm, shotgun, rifle pistol, air rifle, BB gun, folding pocket knife with a blade longer than two and one-half inches, dirk, dagger, locking blade knife, switch blade knife; brass knuckles, blackjack, billy club, nun-chuck sticks, sling shot, tazer, stun gun, shocker, razor blade, acid, metal pipe, sharpened wood or metal trap, or any other weapon, instrument or object designed or modified to inflict physical harm on another person or animal. In the interest of protecting students, college personnel, or campus visitors, the college retains discretion to determine what constitutes a dangerous or deadly weapon or instrument. Certain exceptions can be made for classes or college-sponsored events. Prior written authorization from the vice president of student services, or designee, must be obtained before these items can be brought on-campus or to a college-sponsored event.
b) Possession or use of replica or imitation weapons on any college-owned or controlled property or at any college-sponsored or supervised function.
c) Possession or use of firecrackers, fireworks, pyrotechnics, or any other explosive device on any college-owned or controlled property or at any college-sponsored or supervised function.

Students who engage in any of the above are subject to the measures outlined in Administrative Procedure 5520.

Student Discipline Procedures

(Please refer to the AVC website for policy updates.)

These policies and procedures are reprinted from the AVC Board Policies Section 5500, Administrative Procedure 5520.

The purpose of this procedure is to provide a prompt and equitable means to address violations of the Standards of Student Conduct, which guarantees the student or students involved the due process rights guaranteed them by state and federal constitutional protection. This procedure will be used in a fair and equitable manner, and not for purposes of retaliation. It is not intended to substitute for criminal or civil proceedings that may be initiated by other agencies.

These administrative procedures are specifically not intended to infringe in any way on the rights of students to engage in free expression as protected by the state and federal constitutions, and by Education Code Section 76120, and will not be used to punish expression that is protected.

Definitions

District – The Antelope Valley Community College District.

Student – Any person currently enrolled as a student at any college or in any program offered by the District.

Instructor – Any academic employee of the District in whose class a student subject to discipline is enrolled, or counselor who is providing or has provided services to the student, or other academic employee who has responsibility for the student's educational program.

Short-Term – Exclusion of the student by the Superintendent/President for good cause from one or more classes for a period of up to ten consecutive days of instruction.

Long-Term Suspension – Exclusion of the student by the Superintendent/President for good cause from one or more classes for the remainder of the school term, or from all classes and activities of the college for one or more terms.

Written or Verbal Reprimand – An admonition to the student to cease and desist from conduct determined to violate the Standards of Student Conduct. Written reprimands may become part of a student's permanent record at the college. A record of the fact that a verbal reprimand has been given may become part of a student's record at the college for a period of up to one year.

Withdrawal of Consent to Remain on Campus – Withdrawal of consent by the vice president of student services or designee for any person to remain on campus in accordance with California Penal Code Section 626.4 where the vice president of student services has reasonable cause to believe that such person has willfully disrupted the orderly operation of the campus.

Day – Days during which the District is in session and regular classes are held, excluding Saturdays and Sundays.

Notification of Alleged Code of Conduct Violation

Upon receiving information that the Standards of Student Conduct may have been violated, written notification to the student or students will be sent outlining the allegations, and instructing them to schedule an appointment with the vice president of student services. With the exception of a minor, who must be accompanied by a parent or guardian, the student shall not have an advisor or legal representation at this meeting, unless approved/permitted by the vice president of student services.

The Board of Trustees provides the following sanctions for violation of the Standards of Student Conduct. One or more of the sanctions listed below may be imposed for any single or multiple violation(s). Any times specified in these procedures may be shortened or lengthened, if there is mutual concurrence by the parties.

Section I: List of Sanctions

1. **Reprimand**
   A reprimand is a warning stating that the continued conduct of the type described in the reprimand may result in a subsequent formal action against a student by the District.
   a) Verbal: Verbal notification to the student by a college staff member in a position of authority that continuance of the conduct may be cause for further disciplinary action. A record of the fact that a verbal reprimand has been given may become part of a student's record at the college for a period of up to one year.
   b) Written: A written notification to a student by the vice president of student services to cease and desist from conduct determined to violate the Standards of Student Conduct. Written reprimands may become part of a student's permanent record at the college.

   The college is not required to provide an appeal process for students who receive a written or verbal reprimand.
2. **Temporary Suspension by Instructor** (Education Code Section 76032):
   a) An instructor may order a student removed from his/her class for the day of suspension and the next class meeting.
   b) The instructor shall immediately report the suspension (verbally and subsequently in writing) to the appropriate dean and to the vice president of student services.
   c) A conference will be initiated between the student, the instructor and division dean regarding the removal.
   d) The student shall not be returned to the class during the period of the removal, without the concurrence of the instructor, the instructor's dean and the vice president of student services.
   e) No instructor shall be allowed to suspend a student without first apprising the student of the reason for suspension and permitting such student to present his/her version of the incident causing suspension.
   f) If the student is a minor, the instructor shall ask the parent or guardian of the student to attend a parent conference regarding the suspension as soon as possible. A college administrator shall attend the conference, if the instructor or parent or guardian so requests.
   g) Nothing herein will prevent the vice president of student services from recommending further disciplinary procedures in accordance with these procedures based on the facts that led to the removal, or the student's previous violations.
3. **Disciplinary Probation**
   Disciplinary probation is a formal action of the District against a student for misconduct, and the action may result in the student being removed from all college organization offices and being denied the privilege of participating in all college or student sponsored activities, including public performances. Disciplinary probation may be imposed on a student for a period not to exceed one year. The college is not required to provide an appeal process for students who are placed on disciplinary probation.
4. **Restitution**
   Financial compensation for damage to or misappropriation of property. Restitution may take the form of appropriate service to repair or otherwise compensate for damages.
5. **Campus Community Service**
   In-kind campus community service may be imposed for violations of the code of conduct.
6. **Withdrawal of Consent to Remain on Campus**
   The vice president of student services or designee may notify any person for whom there is a reasonable belief that the person has willfully disrupted the orderly operation of the campus that consent to remain on campus has been withdrawn. If the person is on campus at the time, he or she must promptly leave or be escorted off campus. If consent is withdrawn by the vice president of student services (or designee), a written report must be promptly placed in the student's discipline file.
   Any person as to whom consent to remain on campus has been withdrawn who knowingly reenters the campus during the period in which consent has been withdrawn, except to come for a meeting or hearing, is subject to arrest (Penal Code Section 626.4).

Section II. Short-term Suspensions, Long-term Suspensions, and Expulsions

Before any disciplinary action to suspend or expel is taken against a student, the following procedures will apply:

1. **Notice** – The vice president of student services will provide the student with written notice of the conduct warranting the discipline. The written notice will include the following:
   a) The specific section of the Standards of Student Conduct that the student is accused of violating.
   b) A short statement of the facts supporting the accusation.
   c) The right of the student to meet with the vice president of student services or designee to discuss the accusation, or to respond in writing.
   d) The nature of the discipline that is being considered.
2. **Time limits** – The notice must be provided to the student within 10 days of the date on which the conduct took place; in the case of continuous, repeated or ongoing conduct, the notice must be provided within 10 days of the date on which conduct occurred which led to the decision to take disciplinary action.
3. **Meeting** – If the student chooses to meet with the vice president of student services or designee, the meeting must occur no sooner than 10 days after the notice is provided. At the meeting, the student must again be told the facts leading to the accusation, and must be given an opportunity to respond verbally or in writing to the accusation.
4. **Immediate Interim Suspension** (Education Code Section 66017):
   The Superintendent/President or designee may order immediate suspension of a student where he/she concludes that immediate suspension is required to protect lives or property and to ensure the maintenance of order. In cases where an interim suspension has been ordered, the time limits contained in these procedures shall not apply, and all hearing rights, including the right to a formal hearing where a long-term suspension or expulsion is recommended, will be afforded to the student within ten (10) days.
5. **Short-term Suspension**
   a) Within 10 days after the meeting described above, the Superintendent/President shall, pursuant to a recommendation from the 10 days, decide whether to impose a short-term suspension, whether to impose some lesser disciplinary action, or whether to end the matter.
   b) Written notice of the Superintendent/President's decision shall be provided to the student. The notice will include the length of time of the suspension, or the nature of the lesser disciplinary action.
   c) The Superintendent/President's decision on a short-term suspension shall be final.
   d) Suspension may include any or all classes of the college and from use of any District facilities. The Superintendent/President may suspend a student for good cause as follows:
      • From one or more classes for the remainder of the school term.
      • From all classes of the college for one or more terms. [During this period of suspension, a student shall not be permitted to enroll in classes at the college. (CA Ed. Code Section 76031)]
      • From the use of District facilities and all available services.

   In all cases of suspension, the student shall receive official notice from the vice president of student services. If delivery is refused, the written notification will be considered as being received, and the suspension will go forward.
6. **Long-term Suspension**
   Within 10 days after the meeting described above, the Superintendent/ President shall, pursuant to a recommendation from the vice president student services, decide whether to impose a long-term suspension. Written notice of the Superintendent/President's decision shall be provided to the student. The notice will include the right of the student to request a formal hearing before a long-term suspension is imposed, and a copy of this policy describing the procedures for a hearing.
7. **Expulsion**
   a) Within 10 days after the meeting described above, the Superintendent/President shall, pursuant to a recommendation from the vice president of student services, decide whether to recommend expulsion to the Board of Trustees. Written notice of the Superintendent/President's decision shall be provided to the student. The notice will include the right of the student to request a formal hearing before expulsion is imposed, and a copy of this policy describing the procedures for a hearing. Within 5 days after receipt of the Superintendent/President's decision regarding a long-term suspension or expulsion, the student may request a formal hearing. The request must be made in writing to the vice president of student services.
   b) After board action, the Superintendent/President shall notify the student by "Certified Mail – Return Receipt Requested," or by hand-delivery with a signed receipt. If delivery is refused, the written notification will be considered as being received, and the board action will go forward. The expulsion may be imposed for a specified or unspecified time, and shall include all programs, services, and activities of the college.
   c) For expulsions imposed for an unspecified time, the student may, after a reasonable time (not less than one year), request in writing that the college Superintendent/President removes the expulsion. If approved by the college Superintendent/ President, he/she shall make that recommendation to the Board of Trustees. The Superintendent/President shall notify the student of the board's decision.

Section III. College Hearing Panel Procedures

1. **Schedule of Hearing**
   a) The formal hearing shall be held within 10 days after a formal request for hearing is received.
   b) The college hearing panel for any disciplinary action shall be composed of one administrator, one faculty member, and one student. A quorum of three members must be present for the hearing to take place.
   c) The Superintendent/President, the president of the academic senate and the ASO president shall each, at the beginning of the academic year, establish a list of at least five persons who will serve on student disciplinary hearing panels. The Superintendent/President shall appoint the college hearing panel members from the names on these lists. However, no administrator, faculty member, or student who has any personal involvement in the matter to be decided, who is a necessary witness, or who could not otherwise act in a neutral manner shall serve on a hearing panel. All members of the hearing panel will be asked to sign a written statement attesting to their neutrality.

2. **College Hearing Panel Chair**
   The Superintendent/President shall appoint one member of the panel to serve as the chair. The decision of the college hearing panel chair shall be final on all matters relating to the conduct of the hearing, unless there is a vote by both other members of the panel to the contrary.
3. **Conduct of the Hearing**
   a) Students will be notified, in writing, of the date, time, and place of the hearing.
   b) The members of the hearing panel shall be provided with a copy of the allegation(s) against the student and any written response provided by the student before the hearing begins.
   c) The facts supporting the allegation(s) shall be presented by a college representative who shall be the vice president of student services or designee.
   d) The college representative and the student may call witnesses and introduce oral and written testimony relevant to the issues of the matter. The student shall not have any other representation, except as provided in item (g).
   e) Formal rules of evidence shall not apply. Any relevant evidence shall be admitted.
   f) Unless the hearing panel determines to proceed otherwise, the college representative and the student shall each be permitted to make an opening statement. Thereafter, the college representative shall make their first presentation, followed by the student. The college representative may present rebuttal evidence after the student completes his or her evidence. The burden shall be on the college representative to prove, by preponderance of evidence, that the facts alleged are true.
   g) The student may represent himself/herself, and may also have the right to be represented by a person of his/her choice. The student shall not be represented by an attorney unless, in the judgment of the hearing panel, complex legal issues are involved. If the student wishes to be represented by an attorney, a request must be presented not less than five days prior to the date of the hearing. If the student is permitted to be represented by an attorney, the college representative may request legal assistance. The college hearing panel may also request legal assistance; any legal advisor provided to the panel may sit with it in an advisory capacity to provide legal counsel, but shall not be a member of the panel, nor vote with it.
   h) Hearings shall be closed and confidential unless the student requests that it be open to the public. Any such request must be made no less than 5 days prior to the date of the hearing.
   i) In a closed hearing, witnesses shall not be present at the hearing when not testifying, unless all parties and the panel agree to the contrary.
   j) The hearing shall be recorded by the college, either by electronic recording or stenographic recording, and shall be the only recording made. No witness who refuses to be recorded may be permitted to give statements. In the event the recording is by electronic recording, the college hearing panel chair shall, at the beginning of the hearing, ask each person present to identify themselves by name, and thereafter shall ask witnesses to identify themselves by name. Electronic recording shall remain in the custody of the district, either at the college or the District office, at all times, unless released to a professional transcribing service. The student may request a copy (in writing) of the recording.
   k) All testimony shall be taken under oath; the oath shall be administered by the college hearing panel chair. Written statements of witnesses under penalty of perjury shall not be used, unless the witness is unavailable to testify. A witness who refuses to be recorded is not available.
   l) Within five days following the close of the hearing, the hearing panel shall prepare and send to the Superintendent/ President a written decision. The decision shall include specific factual findings regarding the allegation(s), and shall include detailed conclusions regarding whether any specific section of the Standards of Student Conduct were violated. The decision shall also include a specific disciplinary action to be imposed, if any. The decision shall be based only on the record of the hearing, and not on matters outside of that record. The record consists of the original allegation(s), the written response, if any, of the student, and the oral and written evidence produced at the hearing.
4. **Superintendent/President's Decision**
   a) **Long-Term Suspension**: Within five days following receipt of the college hearing panel's recommended decision, the Superintendent/President shall render a final written decision. The Superintendent/President may accept, modify, or reject the findings, decisions, and recommendations of the college hearing panel. If the Superintendent/ President modifies or rejects the college hearing panel's decision, the Superintendent/President shall review the record of the findings and conclusions, and shall prepare a new written decision, which contains specific factual findings and conclusions. The decision of the Superintendent/President shall be final.
   b) **Expulsion**: Within five days following receipt of the college hearing committee's recommended decision, the Superintendent/President shall render a written recommended decision to the Board of Trustees. The Superintendent/ President may accept, modify, or reject the findings, decisions, and recommendations of the college hearing panel. If the Superintendent/President modifies or rejects the college hearing panel's decision, the Superintendent/ President shall review the record of the hearing, and shall prepare a new written decision, which contains specific factual findings and conclusions.
   The Superintendent/President's decision shall be forwarded to the Board of Trustees in cases in which the expulsion is upheld.
5. **Board of Trustees Decision**
   a) The Board of Trustees shall consider any recommendation from the Superintendent/President for expulsion at the next regularly scheduled meeting of the board after receipt of the recommended decision.
   b) The board shall consider an expulsion recommendation in closed session, unless the student has requested that the matter be considered in a public meeting. Any such request must be made, in writing, no less than five day prior to the date of meeting. (Education Code Section 72122).
   c) The student shall be notified in writing, by registered or certified mail or by personal service, at least three days prior to the meeting, of the date, time, and place of the board's meeting. If delivery is refused, the recommendation will be submitted to the board, regardless of whether the student is present.

d) The student may, within 48 hours after receipt of the notice, request that the hearing be held as a public hearing. Even if a student has requested that the board consider an expulsion recommendation in a public meeting, the board will hold any discussion that might be in conflict with the right of privacy of any student, other than the student requesting the public meeting, in closed session.
e) The board may accept, modify, or reject the findings, decisions, and recommendations of the Superintendent/ President. If the board modifies or rejects the decisions, the board shall review the record of the hearing, and shall prepare a new written decision, which contains specific factual findings and conclusions. The decision of the board shall be final.
f) The final action of the board on the expulsion shall be taken at a public meeting, and the result of the action shall be a public record of the District. (CA Ed. Code Section 72122)

Student Due Process

(Please refer to the AVC website for policy updates.)

Student Rights and Grievances

According to Administrative Procedure 5530, the purpose of this procedure is to provide a prompt and equitable means of resolving student grievances. A request for due process shall be filed with the Vice-President of Student Services. These procedures shall be 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
- Financial aid
- Course grades, to the extent permitted by Education Code Section 76224(a), which provides: "When grades are given for any course of instruction taught in a community college District, the grade given to each student shall be the grade determined by the instructor of the course and the determination of the student's grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetency, shall be final."
- The exercise of rights of free expression protected by state and federal constitutions and Education Code Section 76120.

This procedure does not apply to:

- Student disciplinary actions, which are covered under separate Board policies and Administrative Procedures.
- Police citations (i.e. "tickets"); complaints about citations must be directed to the County Courthouse in the same way as any traffic violation.

Student Right to Challenge Contents of Record

Administrative Procedure 5045 allows that any student may file a written request with the Superintendent/President or designee to correct or remove information recorded in his or her student records that the student alleges to be: (1) inaccurate; (2) an unsubstantiated personal conclusion or inference; (3) a conclusion or inference outside of the observer's area of competence; or (4) not based on the personal observation of a named person with the time and place of the observation noted.

Grade Changes

According to Administrative Procedure 4231, in any course of instruction in a California Community College District for which grades are awarded, the instructor of the course shall determine the grade to be awarded to each student. The determination of the student's grade by the instructor is final in the absence of mistake, fraud, bad faith, or incompetency. The removal or change of an incorrect grade from a student's record shall only be done upon authorization by the instructor of the course.

In the case of fraud, bad faith, or incompetency, the final determination concerning removal or change of grade will be reviewed by the Grievance Hearing Committee review panel. The panel will consist of faculty who are outside the discipline area, examining methods of evaluations, making a determination on the correctness, good faith, and competency of the grade award by the instructor of the course, based on the Official Course of Record. If the panel determines that the process and criteria are fair and appropriate for the discipline and level of course, the grade stands. If the panel determines that the process and criteria were unfair and inappropriate for the discipline (instructor did not follow the Official Course of Record) then, the instructor will be asked to reevaluate the grade for all students enrolled in that term.

Student Request for Change of Grade. Students who wish to appeal a final grade must do so within one year from the date the final grade was issued.

Complaint Regarding Faculty

According to the faculty collective bargaining agreement, Article VII Section 2.3, students are encouraged to consult informally with the instructor for purposes of resolving complaints other than those involving complaints about discrimination or sexual harassment. (Please see the section on Discrimination/Sexual Harassment for more information about the procedures to be followed for complaints regarding discrimination or sexual harassment). If the difficulties are not resolved or the student does not wish to meet with the instructor, the student may meet with the dean of the division in which the instructor serves.

If there is a reasonable substance to the complaint, the supervisor will request that the complaint be put in writing, including the nature of the complaint and a summary of the substantiating evidence. An informal meeting between the faculty member and the complainant may be held to discuss the complaint and attempt to resolve the problem. If the complainant is not willing to meet with the faculty member, the complaint will be dropped. If the problem is not resolved to the satisfaction of all parties after the faculty member, complainant, and supervisor have met and conferred, a meeting between the parties with the addition of the Director of Human Resources (or their designee) may be required. If the problem is still not resolved to the satisfaction of all parties, a copy of the complaint may be placed in the personnel file of the faculty member.

If the immediate supervisor decides that further action is necessary, the complainant and faculty member will be notified of the recommended action. Within three working days following receipt of the immediate supervisor's decision, either party, if dissatisfied with the proposed solution of the complaint, may appeal to the vice president having jurisdiction. The vice president may conduct whatever investigation and consultation deemed necessary for an acceptable resolution to the complaint. A written decision shall be submitted by the district vice president within five working days following receipt of the appeal.

Either party, if dissatisfied, may appeal the vice president's decision to the college president.

Discrimination/Sexual Harassment

In accordance with Board Policy 3410, it is the policy of Antelope Valley Community College District to maintain a learning and working environment that is free from discrimination on the basis of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, sexual orientation, or Vietnam era veteran's status, or because he or she is perceived to be in a protected category or associated with those in a protected category.

Policy/Complaint Procedure

Students or employees with complaints of discrimination, sexual harassment, Title IX violations, or Americans with Disabilities Act (ADA) matters involving Section 504 should direct them to the District Compliance Officer at (661) 722-6300 ext. 6311.

Copies of the complaint procedure are available from the Office of Human Resources and Employee Relations.

The Vice President of People, Culture, Talent & Title IX Coordinator, who serves as the District's Compliance Officer, is the administrator responsible for receiving complaints of discrimination based on age as well as disability, race, religion and sex, including sexual harassment.

Questions or concerns should be directed to: Dr. Lauren Elan Helsper, Vice President of People, Culture, Talent & Title IX Coordinator/District Compliance Officer
Antelope Valley College
Office of Human Resources and Employee Relations
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(661) 722-6300 ext. 6311

Sex Discrimination

Sex discrimination is defined as the differential treatment of students and staff within the college community on the basis of sex in employment, educational programs and activities.

Sex discrimination examples in the treatment of students include, but are not limited to:

- Admissions.
- Access to programs and facilities.
- Vocational education.
- Physical education.
- Competitive athletics.
- Graduation requirements.
- Student rules, regulations and benefits.
- Treatment of married and/or pregnant students.
- Financial assistance.
- Extracurricular activities.
- Comments consistently targeted only at one gender.

Sexual harassment and/or sex discrimination and the associated behaviors as stated, but not limited to the examples, are unacceptable within the college environment and during any off-campus college-sponsored activities. The standard for determining whether conduct constitutes sexual harassment is whether a reasonable person of the same gender as the victim would perceive the conduct as harassment based on sex.

This policy covers all individuals in the workplace. Antelope Valley College will not tolerate, condone, or allow sexual harassment and/or sex discrimination, whether engaged in by employees or non-employees who conduct business with the district. The district encourages reporting of all incidents of sexual harassment and/or sex discrimination, regardless of who the offender may be, or the offender's relationship to the district. Sanctions shall be taken against any student, employee, or non-employee conducting business with the district who engages in sexual harassment and/or sex discrimination.

Sexual Harassment

The purpose of the district's sexual harassment policy is to:

1. Prohibit and discourage any person in the work or education setting from sexually harassing any other person including students in the work or educational setting;
2. Provide a harassment-free work and educational environment;
3. Remedy in a speedy manner and consequences of sexual harassment;
4. Provide on-going education and awareness of the problem of sexual harassment; and,
5. Provide information about how to pursue claims of sexual harassment.

General Definitions

To be unlawful, gender-based harassment has to be pervasive and severe enough to alter the conditions of the victim's employment or educational environment. Trivial, isolated incidents will not necessarily create a hostile atmosphere. Moreover, the conduct generally must be repetitive, although when physical behavior is involved, a one-time occurrence sometimes will be sufficient.

Generally, sexual harassment occurs when unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature:

1. Is made either explicitly or implicitly a term or condition of an individual's education status or employment.
2. Is used as a basis for educational or employment decisions affecting such individual.
3. Creates an intimidating, hostile or offensive educational or working environment.

Specific Examples

For the purpose of further clarification, sexual harassment includes but is not limited to:

1. Continuing unsolicited and/or unwelcome written, verbal, physical and/or visual contact with sexual overtones.
   Written examples include, but are not limited to: suggestive or obscene letters, notes, invitations.
   Verbal examples include, but are not limited to: derogatory comments, innuendoes, slurs, jokes, epithets.
   Physical examples include, but are not limited to: assault, touching, impeding or blocking movement.
   Visual examples include, but are not limited to: leering, gestures, display of sexually offensive objects or pictures, cartoons, or posters.
2. Continuing to express sexual interest after being informed that the interest is unwelcome. (Reciprocal attraction is not considered sexual harassment, however, this type of situation could create a hostile environment for others.)
3. Submission to, or rejection of, the conduct by the individual is used as the basis for any decision affecting the individual regarding benefits and services, honors, programs, or activities available at or through the educational institution. For example, within the work environment, either implying or actually withholding support for an appointment, promotion, or change of assignment; suggesting a poor performance evaluation will be prepared, or suggesting probation will be failed. Within the educational environment, either implying or actually withholding grades earned or deserved; or suggesting a scholarship recommendation or college application will be denied.

4. Within the work environment, engaging in implicit or explicit coercive sexual behavior which is used to control, influence, affect the career, salary and/or work environment of another employee. Within the educational environment, engaging in implicit or explicit coercive sexual behavior which is used to control, influence, or affect the educational opportunities, grades and/or learning environment of a student.
5. Offering favors or educational or employment benefits, such as grades or promotions, favorable performance evaluations, favorable assignments, favorable duties or shifts, recommendations, reclassifications, etc., in exchange for sexual favors.
6. A pattern of conduct that would cause discomfort and/or humiliate a reasonable person at whom the conduct was directed and that includes one or more of the following:
   a. Unnecessary touching, patting, hugging, or brushing against a person's body.
   b. Remarks of a sexual nature about a person's clothing or body; or remarks about sexual activity or speculations about previous sexual experiences.

General Provisions and Guidelines

Charges/Complaints

1. Filing: Charges/complaints should be in writing and shall be filed with the district compliance officer or designee. Any charge/complaint received, whether in writing or not, shall be investigated.
2. Content of Charge/Complaint: The charge/complaint shall identify the offending person or persons; include reference to specific examples of offensive conduct, including dates, times and places; identify the remedy sought; and describe the informal efforts made to correct the situation.
3. Review and Disclosure of Charge/Complaint: The district compliance officer or designee shall review the charge/complaint. As soon as reasonably possible after receipt of the charge/complaint, the student, employee, or other person who is accused of sexual harassment will be informed of the contents of the charge/complaint.
4. Time Limits: A charge/complaint shall be filed within one year of the date of the alleged unlawful discrimination or within one year of the date on which the complainant knew or should have known of the facts underlying the allegation of unlawful discrimination*.

Reference: Education Code Sections 66250 et seq., 66270 et seq., 66281.5. Title 5, Section 59300, et seq.

Drug-Free Campus Policy (Board Policy 3550)

Be it resolved, that it is the policy of the Antelope Valley Community College District to maintain a drug-free campus. The unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited in all buildings, property, facilities, service areas and satellite centers of the district.

Further, all students are required to comply with this policy as a condition of their continued enrollment and any student violating this policy will be subject to disciplinary action which may include suspension.

Students who need drug counseling or rehabilitation are encouraged to seek assistance for personal counseling in the Student Health Services.

Campus Crime Awareness and Safety

Colleges and universities that receive federal funding are required by the Jeanne Clery Act to disclose information about crime occurring on and in the immediate vicinity of campus. Find Clery Act information at www.securityoncampus.org. AVC crime stats can be found online at ope.ed.gov/security/ or www.avc.edu. A copy of the yearly report can be requested from the AVC Campus Police.

California law requires that certain statutorily defined sex offenders notify community college law enforcement officials that they are present on campus in specific capacities. For further information regarding registration and compliance with Penal Code 290.01, see the Campus Police Department web page at www.avc.edu.

Noncredit Courses

Noncredit courses are designed to meet the special needs and capabilities of those students who do not desire or need to obtain unit credit. These courses provide remedial, developmental, skill-upgrade training and other education opportunities. These courses and programs are further defined categorically under the State Education Code, Section 84830, whereby state funding is authorized for nine specific categories as follows: parenting; elementary and secondary basic skills; ESL; citizenship; programs for persons with substantial disabilities; short-term vocational programs; older adults; Family and Consumer Sciences; health and safety. See current offerings as listed in the class schedule. State Education Code is available at https://govt.westlaw.com/calregs and in the Antelope Valley College Library.

Community Services Offerings

Community Services Offerings do not receive state apportionment; therefore, a fee assessment is necessary in order for AVC to offer the courses. No credit or grade is given. See current offerings as listed in the class schedule.

Refund policy: No refunds will be made after the beginning of the first session of the class. A complete refund of fees will be made for classes cancelled by the college. Student-initiated refunds must be received by the Community Services Office no later than three working days prior to the beginning of the class or before any stated registration deadline. See the complete refund policy listed in the community education section of the class schedule.

The Academic Senate

(Title 5, Sections 53200-53206)

The Antelope Valley College Academic Senate represents the faculty, ensuring effective participation in the formation of college policies on academic and professional matters. The Antelope Valley College Academic Senate is composed of representatives of all academic divisions, academic support faculty and adjunct faculty. In addition, at-large representatives are elected by all full-time faculty, and a student delegate is appointed by the Associated Student Organization. There are four officers on the Senate Executive Committee. The Senate meets bimonthly throughout the academic school year.

In accordance with the California Code of Regulations, the Board of Trustees consults collegially with the Academic Senate in the eleven areas of academic and professional matters specified by Title 5 either through:

rely primarily (the advice and judgment of the Academic Senate)

- Curriculum, including establishing prerequisites.
- Degree and certificate requirements.
- Grading policies.
- Educational program development.

- Standards or policies regarding student preparation and success.
- Policies for faculty professional development activities.

AND

mutual agreement (the governing board, or its designees, and Academic Senate shall reach mutual agreement by written resolution, regulation, or policy of the governing board effectuating such recommendations)

- College governance structures, as related to faculty roles.
- Faculty roles and involvement in accreditation processes.
- Processes for program review.
- Processes for instructional planning and budget development.
- Other academic and professional matters as mutually agreed upon.

Academic Freedom Policy

(Board Policy 4030)

The Academic Freedom policy of the Antelope Valley Community College District is part of the Antelope Valley College Faculty Collective Bargaining Agreement with the District (Article VII, Section 7.0, Academic Freedom).

Academic Freedom Policy:

Freedom of expression is a legal right protected by the Constitution of the United States. This right is especially important in the academy. Academic freedom in the pursuit and dissemination of knowledge in an educational environment shall be ensured and maintained. Such freedom shall be recognized as a right of all members of the faculty, whether of tenure or non-tenure rank.

To ensure this freedom, faculty shall not be subjected to censorship or discipline solely on the grounds that he or she has expressed opinions or views, or provided access to opinions or views, which are controversial or unpopular. Antelope Valley College faculty have a special responsibility to insist that their institution does not yield to ephemeral passion or heavy community pressures to take hasty actions that may infringe on freedom of expression.

Faculty have responsibility to present the subject matter of their courses as announced to students and as approved by the faculty in their collective responsibility for the curriculum. However, since instructors are responsible for implementing the learning process, they therefore have the freedom to select materials, methods of application, and procedures in carrying out their job duties.

A faculty member is also free to present and discuss subject matter in a practical and relevant format. In areas of controversy, one has the right to express an opinion related to subject matter, and an expression of differing points of view should be allowed and encouraged. Within and beyond the academic community, a faculty member is free to speak or write, as a citizen, without fear of institutional censorship or discipline.

A faculty member is entitled to freedom in research and in publication and shall have exclusive right to all materials, which are the product of that person's mind and talent, unless there is a mutually acceptable contract to the contrary.

If academic freedom of a faculty member is either impeded or brought into question, the code of ethics shall be consulted and the grievance policy shall be followed.

Institutional Code of Ethics

(Administrative Procedures 3050)

The employees of Antelope Valley Community College District are committed to providing a high quality learning environment to help our students successfully achieve their educational goals and objectives. To support this commitment, college employees adhere to the following standards of ethical and professional behavior related to their duties.

Antelope Valley Community College District employees:

- Are honest and accountable in all actions and activities.
- Demonstrate personal and professional integrity in supporting the mission of the college.
- Are fair and respectful in all interactions with colleagues, students, and the public.
- Avoid conflicts of interest, or its appearance, between their obligations to the district and private business or personal commitments and relationships.
- Address issues and work with people without prejudice.
- Act within applicable laws, codes, regulations, and district policies and procedures.
- Respect the personal values, beliefs and behaviors of others.
- Maintain confidentiality regarding information about students or staff obtained in the course of their duties.
- Protect district assets.
- Maintain a working and learning environment free from harassment as defined by district policies.
- Maintain and enhance job effectiveness and competency through professional development.
- Respect the integrity and professionalism of administrators, faculty, staff and students.
- Make every reasonable effort to create an equal-access learning environment that will help students succeed.

Intercollegiate Athletics

Antelope Valley College is committed to providing equal education opportunities in athletics for men and women. Both men and women may compete in intercollegiate basketball, cross-country, track, volleyball, soccer and golf. Men may compete in baseball and football. Women may compete in softball and tennis.

To be eligible for an intercollegiate sport, a student must be enrolled in a minimum of 12 units. To be eligible for the second season of the same sport, a student must pass a minimum of 24 units with a minimum 2.0 GPA between seasons of competition. Of these 24 units at least 18 shall be in course work counting toward an associated degree, remediation, transfer and/or certification. To be eligible for a second sport, a student must have a cumulative 2.0 GPA calculated from his/her first season of competition in any intercollegiate sport.

All student athletes are required to participate in the academic support program for athletes. The purpose of the program is to provide the student athlete with the support services necessary to achieve their educational objectives. Components of the program are: development of an individual educational program, attendance in study hall, assistance in scheduling of classes and registration, advisement on the rules that are pertinent to eligibility and transferability and monitoring academic performance.

Examination	Score	Credit	AVC Course Equivalency	*AVC GE Area Granted
African American Studies	3, 4, 5	3	ELTV 1XX	Elective Credit
Art History	3, 4, 5	3 / 3	ARTH C1100 / C1200	AVC AREA 3
Art, Studio (2-D Design, 3-D Design, Drawing)	3, 4, 5	3	ART 1XX	Art Elective
Biology	3, 4, 5	4	BIOL 1XX	AVC AREA 5
Calculus AB	3, 4, 5	5	MATH 150	AVC AREA 2
Calculus BC (AB subscore may be used)	3, 4, 5	5 / 4	MATH 150 / 160	AVC AREA 2
Chemistry	3, 4, 5	5	CHEM 110	AVC AREA 5
Chinese Language and Culture	3, 4, 5	5 / 5	CHIN 101 / 102	AVC AREA 3
Comparative Government	3, 4, 5	3	POLS 103	AVC AREA 4
Computer Science A	3, 4, 5	3	CS 121	Not applicable
Computer Science Principles	3, 4, 5	3	CS 110	Not applicable
English Language and Composition	3, 4, 5	3	ENGL C1000	AVC AREA 1A
English Literature and Composition	3, 4, 5	3 / 3	ENGL C1000 / ENGL C1002	AVC AREA 1A / 3
Environmental Science	3, 4, 5	3	BIOL 104	AVC AREA 5
European History	3, 4, 5	3 / 3	HIST 1XX / 1XX	AVC AREA 3 OR 4
French Language and Culture	3, 4, 5	5 / 5	FREN 101 / 102	AVC AREA 3
French Literature	3, 4, 5	5 / 5	FREN 201 / 202	AVC AREA 3
German Language and Culture	3, 4, 5	5 / 5	GER 101 / 102	AVC AREA 3
German Literature	3, 4, 5	4 / 4	GER 201 / 202	AVC AREA 3
Human Geography	3, 4, 5	3	GEOG 105	AVC AREA 4
Italian Language and Culture	3, 4, 5	5 / 5	ELTV 1XX	AVC AREA 3
Japanese Language and Culture	3, 4, 5	5 / 5	ELTV 1XX	AVC AREA 3
Latin	3, 4, 5	5 / 5	LATN 101 / 102	AVC AREA 3
Macroeconomics	3, 4, 5	3	ECON C2002	AVC AREA 4
Microeconomics	3, 4, 5	3	ECON C2001	AVC AREA 4
Music Theory	3, 4, 5	3 / 3	MUS 111 / 120	AVC AREA 3
Physics 1	3, 4, 5	4	PHYS 101	AVC AREA 5
Physics 2	3, 4, 5	4	PHYS 102	AVC AREA 5
Physics C (Electricity & Magnetism)	3, 4, 5	4	PHYS 120	AVC AREA 5
Physics C (Mechanics)	3, 4, 5	4	PHYS 110	AVC AREA 5
Psychology	3, 4, 5	3	PSY C1000	AVC AREA 4
Spanish: Language and Culture	3, 4, 5	5 / 5	SPAN 101 / 102	AVC AREA 3
Spanish: Literature and Culture	3, 4, 5	5 / 5	SPAN 201 / 202	AVC AREA 3
Statistics	3, 4, 5	4	STAT C1000	AVC AREA 2
United States Government & Politics	3, 4, 5	3	POLS C1000	AVC AREA 4
United States History	3, 4, 5	3 / 3	HIST C1001 / C1002	AVC AREA 3 OR 4
World History	3, 4, 5	3 / 3	HIST 104 / 105	AVC AREA 3 OR 4

AP exams completed within the effective date range may be used to satisfy AVC General Education and major requirements.

The number of units awarded by Antelope Valley College (AVC) may differ from those accepted by a transfer institution. For applicability toward CSU, IGETC, or Cal-GETC requirements (major or General Education), please review the appropriate university catalog or speak with an AVC Counselor.

Successful completion of United States History and U.S. Government and Politics AP Exam (Score of 3 or higher) does not fully satisfy the American Institutions requirement. An additional course will be completed at the CSU campus to which the student transfers.

***Credit Limitation:** Students may receive credit either by earning a qualifying score(s) on
1. The Advanced Placement (AP) examination(s) or
2. By completing or being currently enrolled in the equivalent course(s), but not both.
   Credit will be awarded for only one option.

(This information is subject to change.)

Examinations	Minimum Score	Credits Awarded	AVC Course Equivalency	GE Area, if applicable
American Government*	50	3	POLS C1000	AVC Area 4
Business Law, Introductory	50	3	BUS 201	Not Applicable
Calculus	50	5	MATH 150	AVC Area 2
College Algebra	50	3	MATH 128	AVC Area 2
College Composition Modular	50	3	ENGL C1000	AVC Area 1A
College French, Level 1, Second Semester	50	5 / 5	FREN 101 / 102	AVC Area 3
College French, Level 2, Fourth Semester	62	5 / 5	FREN 201 / 202	AVC Area 3
College German, Level 1, Second Semester	50	5 / 5	GER 101 / 102	AVC Area 3
College German, Level 2, Fourth Semester	63	4 / 4	GER 201 / 202	AVC Area 3
College Spanish, Level 1, Second Semester	50	5 / 5	SPAN 101 / 102	AVC Area 3
College Spanish, Level 2, Fourth Semester	66	5 / 5	SPAN 201 / 202	AVC Area 3
Financial Accounting	50	4	ACCT 201	Not applicable
History of the United States I	50	3	HIST C1001	AVC Area 3 or 4
History of the United States II	50	3	HIST C1002	AVC Area 3 or 4
Human Growth Development*	50	3	PSY 235	AVC Area 4
Information Systems & Computer Applications	50	3	CIS 141	Not Applicable
Macroeconomics, Principles of	50	3	ECON C2002	AVC Area 4
Management, Principles of	50	3	MGT 101	Not Applicable
Marketing, Introductory	50	3	MKTG 101	Not Applicable
Microeconomics, Principles of*	50	3	ECON C2001	AVC Area 4
Psychology, General*	50	3	PSYC C1000	AVC Area 4
Sociology, Introductory*	50	3	SOCI C1000	AVC Area 4
Western Civilization I:	50	3	HIST 1XX	AVC Area 3 or 4
Western Civilization II:	50	3	HIST 1XX	AVC Area 3 or 4
Analyzing and Interpreting Literature	50	6	ELTV 1XX	AVC Area 3
Biology	50	3	ELTV 1XX	AVC Area 5
Chemistry	50	5	ELTV 1XX	AVC Area 5
Humanities	50	6	ELTV 1XX	AVC Area 3
Mathematics	50	6	ELTV 1XX	AVC Area 2
Natural Sciences	50	6	ELTV 1XX	AVC Area 5
Social Sciences & History	50	6	ELTV 1XX	AVC Area 4

The UC does not grant credit for any CLEP exams.

The number of units awarded by Antelope Valley College (AVC) may differ from those accepted by a transfer institution. For the most accurate and up-to-date information, consult the transfer institution's website or speak with a counselor.

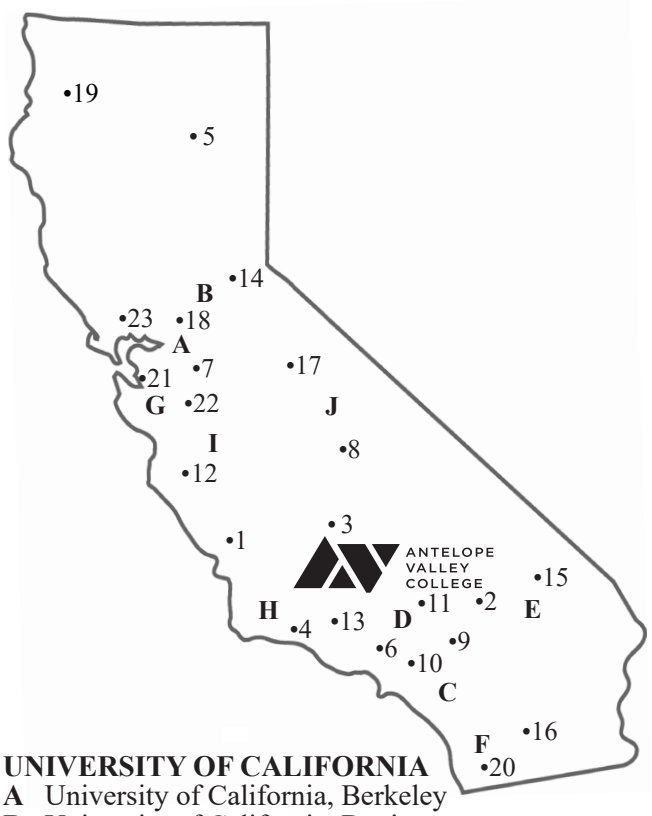
***Credit Limitation:** Students may receive credit either by earning a qualifying score(s) on
1. The College Level Examination Program (CLEP) examination(s) or
2. By completing or being currently enrolled in the equivalent course(s), but not both.
   Credit will be awarded for only one option.

IB Exam	Minimum Score	AVC Credit	AVC GE Area	Units toward AVC degree
IB Biology HL	5	Biology Elective	5	3
IB Chemistry HL	5	Chemistry Elective	5	3
IB Economics HL	5	Economics Elective	4	3
IB Geography HL	5	Geography Elective	4	3
IB History (any region) HL	5	History Elective	3 or 4	3
IB Language A: Literature (any language except English) HL	4	Language Elective	3	3
IB Language A: Language & Literature (any language except English) HL	4	Language Elective	3	3
IB Language A: Literature (any language) HL	4	Language Elective	3	3
IB Language A: Language & Literature (any language) HL	4	Language Elective	3	3
IB Mathematics (Analysis & Approaches) HL	4	Mathematics Elective	2	3
IB Physics HL	5	Physics Elective	5	3
IB Psychology HL	5	Psychology Elective	4	3
IB Theatre HL	4	Theatre Elective	3	3

A score of 5, 6 or 7 on Higher Level exams is required to grant credit for Cal-GETC certification.

The number of units awarded by Antelope Valley College (AVC) may differ from those accepted by a transfer institution. For the most accurate and up-to-date information, consult the transfer institution's website or speak with a counselor.

***Credit Limitation:** Students may receive credit either by earning a qualifying score(s) on
1. The International Baccalaureate (IB) examination(s) or
2. By completing or being currently enrolled in the equivalent course(s), but not both.
   Credit will be awarded for only one option.



UNIVERSITY OF CALIFORNIA

A University of California, Berkeley
B University of California, Davis
C University of California, Irvine
D University of California, Los Angeles
E University of California, Riverside
F University of California, San Diego
G University of California, San Francisco
H University of California, Santa Barbara
I University of California, Santa Cruz
J University of California, Merced

CALIFORNIA STATE UNIVERSITY

1 California Polytechnic State University, San Luis Obispo
2 California State Polytechnic University, Humboldt
3 California State Polytechnic University, Pomona
4 California State University, Bakersfield
5 California State University, Channel Islands
6 California State University, Chico
7 California State University, Dominguez Hills
8 California State University, East Bay
9 California State University, Fresno
10 California State University, Fullerton
11 California State University, Long Beach
12 California State University, Los Angeles
13 California State University, Monterey Bay
14 California State University, Northridge
15 California State University, Sacramento
16 California State University, San Bernardino
17 California State University, San Marcos
18 California State University, Stanislaus
19 California Maritime Academy
20 San Diego State University
21 San Francisco State University
22 San Jose State University
23 Sonoma State University

Postsecondary Education in California

Postsecondary education is defined as the educational instruction beyond high school. California has more than 2,500 educational institutions and agencies which offer education in both academic and vocational majors.

The State of California publicly and financially supports three segments of education which include:

1. Ten University of California campuses (UC),
2. Twenty-three California State University campuses (CSU) and,
3. One hundred and fifteen Community Colleges.

The map on this page designates the location of the UC and CSU campuses, as well as the location of AVC.

The educational goals that can be attained in post-secondary education are numerous.

Credit Certificates

(Title 5, Section 55070)

A Certificate of Achievement is a designated sequence of courses that are oriented to an occupational career or general education. Most certificates are designed to be completed in two years or less.

Associate Degree

(Title 5, Section 55063)

An Associate Degree consists of a designated sequence of courses in a specified major or area of emphasis, plus courses identified for general education and electives. Degrees are either A.A. or A.S. (Associate in Arts or Science) and require two years or four semesters of full-time college study.

Bachelor's Degree

A Bachelor's Degree consists of a designated sequence of courses in a specified major or area of emphasis, plus courses identified for general education and electives. Usually referred to as B.S. or B.A. (Bachelor of Science or Arts) degrees and require a minimum of four years of full-time college study. You may complete the first two years at a community college and then transfer to a four-year university.

Master's Degree

Bachelor's degree plus graduate courses in specialized area. Bachelor's degree 124-140 semester units plus 30 or more graduate units. Usually referred to as M.S. or M.A. (Master of Science or Arts). Normally requires two additional years of full-time work after completion of bachelor's degree.

Doctorate Degree

Master's degree plus advanced graduate courses in specialized area. Units vary, depending on field of study. Usually referred to as Ph.D. or Ed.D. (Doctor of Philosophy or Doctor of Education). Normally requires three to five additional years of full-time work after completion of master's degree. Dissertation required.

Associate Degree Requirements

(Title 5, Section 55061)

Graduation from Antelope Valley College with an Associate in Arts or an Associate in Science degree requires the completion of a minimum of 60 semester units, see requirements 1 through 6.

Antelope Valley College awards an Associate in Arts or an Associate in Science degree to students who pursue majors offered in the following divisions: Business, Computer Studies and Economic Development; Health Sciences; Language Arts; Math, Science and Engineering; Kinesiology, Athletics and Dance; Social and Behavioral Sciences; Technical Education; and Visual and Performing Arts. In the course description section of this catalog, all courses that apply to the associate degree or certificates are designated as (AVC).

The completion of an Associate in Arts or an Associate in Science degree does not ensure that a student can transfer directly to a four-year college or university. Students interested in transferring should refer to the Transfer Information section in this catalog.

Requirements for the Associate Degrees for Transfer (AD-T)

Associate Degrees for Transfer (AD-T) were developed in response to Senate Bill 1440 (Padilla, 2010) and subsequent revisions to Education Code § 66746(a) that required community colleges to develop and offer "associate degrees for transfer" which fulfill the lower division component of a baccalaureate major at a California State University. These degrees allow students to fulfill lower division major requirements at a community college and guarantee transfer with junior status to the CSU system. Students who complete an AD-T and transfer to a similar major at a CSU are guaranteed a pathway to finish their baccalaureate degrees in 60 semester or 90 quarter units. These degrees require students to meet both of the following requirements:

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

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

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

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

AD-Ts include both Associate in Arts for Transfer (AA-T) and Associate in Science for Transfer (AS-T) degrees. The law authorizing these degrees also requires that students must earn a "C" or better in all courses required for the major or area of emphasis.

A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis, where a Pass is defined as a "C" or better. Education Code § 66746(b) prohibits a community college district from imposing any additional course requirements for a student to be eligible for the associate degree for transfer, and subdivision (e) prohibits allowing remedial non-collegiate level coursework to be counted toward the units required for the associate degree for transfer (AA-T or AS-T). Title 5, § 55002(b) describes such courses as "nondegree-applicable credit courses."

The designators for the Associate in Arts for Transfer (AA-T) and the Associate in Science for Transfer (AS-T) degrees have been established by the ASCCC and are reserved only for associate degrees that meet all requirements of SB 1440 and Education Code § 66746. The term "transfer degree" is likewise restricted to AD-Ts.

Students transferring to a CSU campus that does accept the transfer degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

At the time of catalog publication, a student may earn a transfer degree in the following areas:

Administration of Justice, AS-T
Anthropology, AA-T
Art History, AA-T
Biology, AS-T
Business Administration 2.0, AS-T
Chicana/o Studies, Latina/o Studies, AA-T
Communication Studies 2.0, AA-T
Computer Science, AS-T
Early Childhood Education: Integrated Programs, AS-T
Economics, AA-T
Elementary Teacher Education, AA-T
English, AA-T
Film, Television, and Electronic Media, AS-T
Geography, AA-T
Geology, AS-T
History, AA-T
Kinesiology, AA-T
Law, Public Policy, and Society, AA-T
Mathematics 2.0, AS-T
Music, AA-T
Nutrition and Dietetics, AS-T
Philosophy, AA-T
Physics 2.0, AS-T
Political Science, AA-T
Psychology, AA-T
Sociology, AA-T
Spanish, AA-T
Studio Arts, AA-T
Theatre Arts, AA-T

Additional majors are being developed. Please consult with a counselor.

Degree Awarding with Unit Variations in Major or Area of Emphasis

An associate degree shall be awarded when a student has satisfactorily completed all applicable degree requirements, including general education, competency, residency, scholarship, and major or area of emphasis requirements, as specified in the college catalog and approved curriculum.

Consistent with Title 5 §55060–§55062 and applicable California Community College Chancellor's Office (CCCCO) guidance, the associate degree represents more than the accumulation of units and must include sufficient depth in a focused field of study. The major or interdisciplinary area of emphasis shall include a minimum of eighteen (18) semester units of focused study, or the quarter unit equivalent (27 quarter units), in degree-applicable coursework. The CCCCO has identified the revised associate degree regulations as Title 5 §55060–§55062, effective for Fall 2025 implementation.

When differences in major or area of emphasis unit totals arise due to approved course substitutions, catalog rights, curriculum revisions, articulation determinations, course-to-course equivalencies, or unit differences across institutions, the college may award the degree if all the following conditions are met:

1. The student has completed all locally approved degree requirements, or approved substitutions or equivalencies, consistent with college policy;
2. The completed coursework satisfies the required major or area of emphasis content, objectives, and student learning outcomes;
3. The student has completed at least eighteen (18) semester units, or the quarter-unit equivalent, in the major or interdisciplinary area of emphasis;
4. All courses counted toward the major or area of emphasis have been completed with a grade of C or better, or P if taken on a pass/no pass basis;
5. The student has completed the minimum total degree-applicable units required for the associate degree (60 semester units or 90 quarter units);
6. The student has satisfied all applicable general education, competency, residency, and scholarship requirements.

Variations in the total number of completed major or area of emphasis units shall not, by themselves, preclude awarding of the degree when approved substitutions, equivalencies, or catalog-rights determinations establish that the student has fulfilled the substance, rigor, learning outcomes, and minimum unit requirements of the approved program.

Nothing in this provision authorizes awarding a degree with fewer than the minimum units required under Title 5 §55060–§55062 or with unmet locally approved program requirements, unless an approved substitution, equivalency, or catalog-rights determination has been applied consistently with college policy.

Application for Graduation

Antelope Valley College awards degrees three times annually following the Fall, Spring, and Summer semesters. Students must apply for graduation to earn their degree or certificate. Applications are due by September 6 for spring/summer graduates and by February 14 for fall graduates. Applications can be completed online, or students can print the application from the AVC website at www.avc.edu and mail in. After review, a preliminary evaluation will be sent to the students' myAVC e-mail account showing the progress toward the degree. For commencement information please refer to www.avc.edu/commencement. While participation in the commencement ceremony is encouraged, it is not mandatory and does not indicate the completion of a degree or certificate.

1. General Education Requirements

General Education (GE) is designed to introduce the students to the variety of means through which people comprehend the changing world. It reflects the conviction of AVC that those who receive their degrees must possess in common certain basic principles, concepts, and methodologies both unique to and shared by the various disciplines. College educated persons should be able to use this knowledge when evaluating and appreciating the physical environment, the culture, and the society in which they live. Most importantly, GE should lead to better self understanding.

Courses or a combination of courses which meet GE philosophy and objectives will:

1. Provide an introduction to basic concepts, principles, and methodology of study common to a given discipline;
2. Lead to better self understanding in relationship to the physical environment, culture, economy and society;
3. Provide an opportunity to examine values while proposing solutions for major social problems; and,
4. Provide a breadth of knowledge and experiences which contribute to a well-rounded education.

- Courses in communication, language, and rationality present principles of languages which lead toward logical thought, clear and precise expression, and critical evaluation of communication;
- Courses in mathematical concepts and quantitative reasoning;
- Courses in arts and humanities present the cultural activities and artistic expressions of human beings. These courses help students in developing aesthetic understanding and the ability to make value judgments;
- Courses in the social and behavioral sciences focus on people as members of society. These courses should promote appreciation of how societies and social subgroups operate.
- Courses in physical and biological sciences present critical thinking and problem solving methods. These courses also explore the relationship that exists between people and science;
- Courses in ethnic studies and multicultural courses are offered in at least one of the required GE categories.

Courses which emphasize occupational competency do not meet GE objectives.

Double Counting: While a course may satisfy more than one general education requirement, it may not be counted more than once for these purposes. A course may be used to satisfy both a general education requirement and a major or area of emphasis requirement.

Requirements:
A minimum of 3 semester units in Areas 1a, 1b, 2, 3, 4, 5, and 6 to total a minimum of 21 units. **Completion of 1a requires a minimum grade of "C" (or "P").**

Area 1 - English Composition, Oral Communication, and Critical Thinking
Select 3 units from Area 1A and select 3 units from Area 1B
Area 1A: English Composition

Courses fulfilling this requirement must be baccalaureate-level and include expository and argumentative writing.

ENGL C1000, C1000H

Area 1B: Oral Communication and Critical Thinking

Courses fulfilling this requirement must be baccalaureate-level and may include oral communication and critical thinking courses.

COMM C1000, C1000H
ENGL C1001, C1001H, C1002, C1002H
PHIL 201

Area 2 - Mathematical Concepts and Quantitative Reasoning

Courses fulfilling this requirement must be at least college-level and may include mathematics or quantitative reasoning courses, including logic, statistics, computer languages, and related disciplines.

1 course, 3 semester units or 4 quarter units

MATH 103, 110, 116, 124, 128, 140, 148, 149, 150, 150H, 160, 220, 230, 250
STAT C1000, C1000H

Area 3 - Arts and Humanities

Courses classified as arts and humanities study the cultural activities and artistic expressions of human beings. Such courses develop students' awareness of how people throughout the ages and in different cultures respond to themselves and the world around them in artistic and cultural creation, and develop students' aesthetic understandings and abilities to make value judgments. Courses fulfilling this requirement may include introductory or integrative baccalaureate-level courses in the visual and performing arts, art history, foreign languages, literature, philosophy, religion, and related disciplines.

1 course, 3 semester units or 4 quarter units

ART 100, 103, 104, 106, 113, 132, 135, 137, 140, 145, 163, 170, 213
ARTH C1100, C1100H, C1200, C1200H
CHIN 101, 102, 201, 202
COMM 112, 114, 217, 219
DA 101, 113
DFST 101, 102, 201, 202
ENGL 114, 221, 222, 225, 227, 230, 231, 235, 242, 253, 253H, 256, 257, 259, 265, 279, C1002, C1002H
FREN 101, 102, 201, 202, 203
FTV 101, 107, 108, 201, 203, 251, 261
GER 101, 102, 201, 202
HIST 104, 105, 110, 110H, 111, 111H, 113, 115, 119, C1001, C1001H, C1002, C1002H
LATN 101, 102, 201
MUS 101, 101H, 105, 106, 110, 111, 120, 151
MUSC 102, 103, 107, 108, 109
NF 150
PHIL 105, 105H, 106, 108, 109, 230, 240
PHOT 107
PHTC 101, 150, 201
SPAN 101, 102, 110SS, 201, 202, 203, 210SS, 220SS
THA 101, 101H, 102, 103, 104, 106, 110, 111, 130, 225, 239, 239H, 240

Area 4 - Social and Behavioral Sciences

Courses in the social and behavioral sciences focus on people as members of society and develop awareness of the methods of inquiry used by the social and behavioral sciences. They stimulate critical thinking about how people act and have acted in response to their societies and promote appreciation of how societies and social subgroups operate. Courses fulfilling this requirement may include introductory or integrative baccalaureate-level courses in cultural anthropology, cultural geography, economics, history, political science, psychology, sociology, and related disciplines.

1 course, 3 semester units or 4 quarter units

AJ 206
ANTH 102, 103, 110, 112, 112H, 140
BUS 212
CFE 102, 103
DFST 105, 106, 110
ECON 100, 110, C2001, C2001H, C2002, C2002H
GEOG 105, 106, 110
HIST 104, 105, 110, 110H, 111, 111H, 113, 114, 116, 118, 119, C1001, C1001H, C1002, C1002H
POLS 103, 200, 201, 202, 203, C1000, C1000H
PSY 200, 201, 212, 230, 232, 233, 234, 235, 236
PSYC C1000, C1000H
SOC 105, 110, 111, 112, 115, 116, 120, 200
SOCI C1000, C1000H

Area 5 - Natural Sciences

Courses in the natural sciences examine the physical universe, its life forms, and its natural phenomena, helping students appreciate and understand the scientific method and the relationships between science and other human activities. Courses fulfilling this requirement may include introductory or integrative baccalaureate-level courses in astronomy, biology, chemistry, general physical science, geology, meteorology, oceanography, physical geography, physical anthropology, physics, and other scientific disciplines.

1 course, 3 semester units or 4 quarter units

ANTH 101, 101H
ASTR C1001, C1001H
BIOL 100, 102, 103, 104, 104H, 110, 120, 201, 202, 204, 205, C1001*#
CHEM 101, 102, 110, 120, 210, 220
ELTE 101
ERSC 101
GEOG 101, 102
GEOL 101, 101H, 102
PHYS 101, 102, 110, 120, 211
PSCI 101

*#BIOL 101 & BIOL 101L must be taken concurrently.

Area 6 - Ethnic Studies

Courses fulfilling this requirement may include baccalaureate-level courses in the four autonomous disciplines within Ethnic Studies: Black Studies; African American Studies; Africana Studies; Native American Studies; Chicano/a/x; Latino/a/x Studies/La Raza Studies; and Asian American Studies.

1 course, 3 semester units or 4 quarter units

ENGL 257
ETHN 101, 102, 110, 111, 112, 113, 114, 257EN

2. Waiver of General Education

Students who have previously been awarded a Bachelor's Degree from a U.S. institutionally accredited institution shall be deemed to have fulfilled the general education requirements (Areas 1a, 1b, 2, 3, 4, 5, and 6) for a **non-transfer** associate degree. This does not apply to Associate Degrees for Transfer (ADTs), which are excluded.

3. Major and/or Area of Emphasis Requirements

Students must receive a minimum grade of "C" or better, or of "P" in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Major requirements may be satisfied by: (Title 5, Section 55062) completing specific major requirements listed in the AVC catalog.

4. Electives

The remaining number of units (up to 60) are considered electives. Any course that has already been counted toward (1) the general education requirements, or (2) the major, cannot be used as an elective.

5. Grade Point Average Requirement

A cumulative grade point average of 2.0 ("C" average) is required.

6. Residence Requirement

Of the required 60 units, "at least 12 semester units must be completed in residence at the college granting the degree." Title 5, Section 54000 et seq. Title 5 of the California Code of Regulations is available at https://govt.westlaw.com/calregs and in the Antelope Valley College Library.

7. Requirements for Two or More Associate Degrees

To be eligible for multiple associate degrees, a student must complete all graduation requirements for each degree.

8. Credit for Prior Learning

Students may receive credit for knowledge or skills acquired through the district's procedures for awarding credit for prior learning.

9. Transfer Limitations

Students who intend to transfer shall be advised of limitations transfer institutions may place on the transferability of credits, based on institutional accreditation, course modality, and any other relevant factors.

For the most current and up-to-date general education information, please visit the AVC Counseling website.

Credit Courses Not Applicable to the Associate Degree and Certificate Programs

Effective Fall 1988, selected credit courses shall not apply to the associate degree and certificate programs.

Students who enroll in credit courses not applicable to the degree or certificate can use these credits for eligibility purposes, i.e., full-time status, intercollegiate athletic status and financial aid status. In the course description section of this catalog, these courses are designated as: **Credit course not applicable to the associate degree and certificate programs.** Grades will not count in calculating the GPA when received in credit courses not applicable to the associate degree and certificate programs. All courses that do apply to the associate degree or certificates are designated as (AVC).

The list of credit courses not applicable to the associate degree and certificate programs include:

Academic Support Courses:
MATH 035, Support Course for Math 135
MATH 040S, Support Course for Math 140
MATH 049S, Support Course for MATH 149
MATH 050S, Support Course for Math 150
MATH060S, Support Course for Math 160
STAT 1000S, Support Course for STAT C1000

Noncredit Courses

Auto Body Courses:
ABDY 900, Antique and Classic Car Restoration

Airframe and Powerplant Courses:
AERO 980, Aircraft General - Written Test Review
AERO 981, Aircraft Airframe - Written Test Review
AERO 982, Aircraft Powerplant - Written Test Review

Artificial Intelligence Education Courses:
AIED 900, Introduction to AI for Everyday Use
AIED 905, AI for Students: Creativity, Ethics, and Efficiency
AIED 910, AI for Educators: Curriculum Design & Student Oversight
AIED 915, AI for College Faculty: Enhancing Teaching & Monitoring Use
AIED 920, AI for the Office: Emails, Scheduling, and Document Workflows
AIED 930, AI Agents & Workflows: Building Personal Automations

Administration of Justice Courses:
AJ 901, Modern Policing in Society
AJ 903, Narcotics Control in Modern Policing
AJ 909, Crime Analysis
AJ 911, Beginning Health and Fitness for First Responders I
AJ 912, Intermediate Health and Fitness for First Responders II
AJ 913, Advanced Health and Fitness for First Responders III
AJ 920, Leadership and Ethics in Modern Policing

Automotive Technology Courses:
AUTO 900, Automotive Restoration

Biology Courses:
BIOL 990, Research Practicum
BIOL 991, Methods in Biological Sciences
BIOL 992, Communication and Storytelling in Biology

Business Information Professional Courses:
BIP 995, Foundations of Artificial Intelligence in Business
BIP 996, Applications of AI Tools for Business Productivity
BIP 997, AI for Daily Business Management

Business Courses:
BUS 901, Essential Inventory Control Skills - Foundations
BUS 902, Essential Skills for Warehousing and Distributions
BUS 903, Supply Chain Warehouse Management
BUS 904, Logistics, Transportation and Distribution
BUS 905, Capstone
BUS 911, Attitude in the Workplace
BUS 912, Customer Service
BUS 913, Communication in the Workplace
BUS 990, How to Start Your Business
BUS 991, How to Maintain Your Business
BUS 999, Map for Workplace Success

Computer Applications Courses:
CA 998, Computers, Application Software, and Technology for Beginners

Chemistry Courses:
CHEM 990, Research Practicum

Emergency Medical Technology Courses:
EMT 900, Basic Life Support (BLS)
EMT 901, Advanced Cardiac Life Support (ACLS) Provider
EMT 902, Pediatric Advanced Life Support (PALS) Provider
EMT 905, Paramedic Preparation
EMT 950, Emergency Medical Technician Refresher

English Courses:
ENGL 900, Writing Support
ENGL 901, Writing Practice

Engineering Courses:
ENGR 900, Introduction to 3D Printing
ENGR 905, Introduction to Robotics
ENGR 910, Introduction to Microcontrollers
ENGR 911, Excel for Science and Engineering
ENGR 950, Applications of 3D Printing
ENGR 955, Applications of Robotics
ENGR 960, Applications of Microcontrollers

English as a Second Language Courses:
ESL 015CE, Civics
ESL 918, ESL Reading and Writing 1
ESL 919, ESL Skills Building 1
ESL 920, ESL Vocabulary and Pronunciation 2
ESL 923, ESL Grammar 2
ESL 928, ESL Reading and Writing 2
ESL 930, ESL Vocabulary and Pronunciation 3
ESL 933, ESL Grammar 3
ESL 938, ESL Reading and Writing 3
ESL 940, ESL Vocabulary and Pronunciation 4
ESL 943, ESL Grammar 4
ESL 948, ESL Reading and Writing 4
ESL 950, ESL Vocabulary and Pronunciation 5
ESL 953, ESL Grammar 5
ESL 958, ESL Reading and Writing 5
ESL 960, VESL Welding

Wildland Fire Technology Courses:
FTW 900A, Wildland Firefighting Crew A
FTW 900B, Wildland Firefighter Crew B

Human Development Courses:
HD 900, College Success and Transfer Exploration
HD 901, Career Exploration and Development

Kinesiology - Theory Courses:
KINT 900, Yoga Teacher Training 1 - Yogic Lifestyle and Yoga as a Healing Practice
KINT 901, Yoga Teacher Training 2 - Gross and Subtle Anatomy
KINT 902, Yoga Teacher Training 3 - Pedagogy: The Art and Science of Teaching
KINT 903, Yoga Teacher Training 4 - Social Applications of Yoga

Learning Assistance Courses:
LAC 900, Supervised Tutoring
LAC 901, Supervised Learning Assistance
LAC 920, Managing Writing Anxiety
LAC 922, Math Study Strategies
LAC 923, Managing Math Anxiety
LAC 931, Level 1 Tutor Certification
LAC 932, Level 2 Tutor Certification
LAC 933, Level 3 Tutor Certification
LAC 950, AI Essentials

Music-Commercial Courses:
MUSC 970, Marching Ensemble

Nursing Skills Courses:
NS 911L, Skills Lab 911L
NS 912L, Skills Lab 912L
NS 913L, Skills Lab 913L
NS 921L, Skills Lab 921L
NS 922L, Skills Lab 922L
NS 923L, Skills Lab 923L
NS 924L, Skills Lab 924L
NS 950L, Skills Lab 950L

Psychology Courses:
PSY 900, Case Management Essentials

Real Estate Courses:
RE 901, Real Estate Principles
RE 902, Real Estate Practices
RE 903, Real Estate Finance
RE 904, Legal Aspects of Real Estate

Reading Courses:
READ 990, Critical Reading

Welding Courses:
WELD 900, Welding Certification Preparation
WELD 901, Welding Certification Exam

Certificate Programs

(Title 5, Section 55070, 55072)

1. There are programs that lead to Certificates of Achievement from AVC that have been reviewed by the Academic Policies & Procedures Committee, the Board of Trustees, and the Chancellor's Office. These certificates are comprised of 1) a minimum of 16 or more semester units (or 24 or more quarter units) of degree-applicable coursework designed as a pattern of learning experiences intended to develop certain capabilities that may be oriented to career or general education, or 2) a designated sequence of courses consisting of 8 or more semester units (or 12 or more quarter units) of degree-applicable credit coursework. These certificate programs will be consistent with the mission of the college, meet a demonstrated need, be feasible, and adhere to guidelines on academic integrity which may be developed by the Chancellor, the Academic Senate for California Community Colleges, or other appropriate statewide bodies. Such programs are usually less than two years in length and may or may not lead to an associate in arts or science degree.

Courses taken in these programs at AVC will apply toward an associate degree.

2. There are programs that lead to certification or licensing by agencies other than AVC, usually state or federal agencies, after an examination or further training.

To avoid delays in completing your certificate of achievement, it is important that you recognize that many courses are not offered every semester (including a very limited summer school offering). Note how certain designated courses are offered on a rotating basis (either fall or spring) and develop your educational plan very carefully. Required courses that are rarely offered or potential problems should be discussed with the appropriate division dean as early in the planning process as possible.

Filing for Certificate Programs:

Antelope Valley College awards certificates three times annually following the Fall, Spring and Summer semesters. Students must apply for graduation to earn their degree or certificate. Applications are due by September 6 for spring/ summer graduates and by February 14 for fall graduates. Applications can be completed online, or students can print the application from the AVC website at www.avc.edu and mail in. After review, a preliminary evaluation will be sent to the student's myAVC e-mail account showing the progress toward the certificate. For commencement information please refer to www.avc.edu/commencement. While participation in the commencement ceremony is encouraged, it is not mandatory and does not indicate the completion of a degree or certificate.

Resident Requirement:

All certificate of achievement programs require a minimum of 12 units completed in residence at AVC with a minimum of 9 of those units completed in the certificate coursework.

Grade Point Average:

All certificate of achievement programs require a minimum cumulative GPA of 2.0 ("C" average) unless otherwise stated.

Cal-GETC GE

Certificates of Achievement

(Title 5, Section 55070)

A General Education Certificate of Achievement ensures that students have a broad background in a variety of disciplines at the college and university level in order to appreciate the breadth of human knowledge and the responsibilities of concerned and engaged citizens. General Education courses will provide students with skills that include the ability to read critically, to write and communicate with clarity, to evaluate and draw well informed conclusions and inferences from information gleaned from many sources, and to access the wealth of technical, scientific, and cultural information that is increasingly necessary in our global community. It is through General Education that students gain an appreciation of how diverse cultures lead us to be more creative thinkers with different perspectives and insights from which to view human endeavors.

Cal-GETC: In order to be awarded a Certificate of Achievement for the California General Education Transfer Curriculum (Cal-GETC), students must complete Cal-GETC Areas 1-6, a minimum of 34 units, with grades of "C" or better. No class may be used to satisfy requirements in more than one of the six (Cal-GETC Areas 1 - 6) general areas. Eligible courses taken at other formerly known as regionally accredited institutions may be considered by Antelope Valley College for the certificate. Students should consult with a counselor. (See pages 61-62)

NOTE: Earning a Certificate of Achievement for Cal-GETC does not constitute General Education "Certification."

Low-Unit Certificates: Certificate of Achievement

Low unit certificate of achievement programs are Chancellor Office approved and can appear on a student's transcript. Low-unit certificates of achievement may be earned in the following areas:

- Aeronautical Non-Destructive Inspection
- Aerospace Leadership and Management
- Avionics Technology
- BIP Level I - Business Information Professional Quick Start
- BIP Level III - Business Information Professional Three
- Child and Family Education Associate Teacher
- Geographic Information Systems
- Geology Fundamentals
- Health and Fitness for First Responders
- Human Resources Professional I
- Human Resources Professional II
- Metrology Sciences for Aerospace Manufacturing
- Programming Fundamentals
- Skilled Parenting
- Software Development Essentials

Noncredit Certificates: Certificate of Competency/Completion

Noncredit certificate of competency and noncredit certificate of completion programs are Chancellor Office approved and do not appear on a student's transcript.

Noncredit certificate of competency may be earned in the following areas:

- Advanced ESL
- College Readiness - Reading and Writing
- High Intermediate ESL

Noncredit certificate of completion may be earned in the following areas:

- AI Strategies for Entrepreneurs, Small Business Owners, and Employees
- Artificial Intelligence Education
- AVC Tutor
- Career and College Success
- Case Management Work Readiness
- Community Modern Policing
- Computer and Workplace Fundamentals
- Customer Service Essentials
- Emergency Cardiac Care Provider
- Health and Fitness for First Responders
- Logistics, Transportation and Distribution
- Nursing Skills Lab
- Personal Business Ownership
- Practical 3D Printing
- Practical Microcontrollers
- Practical Robotics
- Real Estate Salesperson
- Research Fundamentals Skills
- Structural Steel Welding Performance
- Supply Chain Warehouse Essentials
- Wildland Firefighting
- Yoga Instructor

Local Certificates: Certificate of Proficiency

Locally approved Certificates of Proficiency may consist of one or more courses totaling from 6-15 units that lead to an occupationally relevant set of skills. These programs are shorter in duration and narrower in scope than the achievement certificate programs of 16 units or more, and they usually provide instruction related to occupational advancement. They may also meet the needs of continuing education for those in an evolving profession or meet a demonstrated local need that is recognized by the community and verified by the college.

These locally approved certificate programs do not require Chancellor Office approval, nor can they appear on a student's transcript.

Locally approved certificates are:

- Blueprints and Structures
- Computer Aided Drafting in CATIA/3D Experience
- Computer Aided Drafting in SolidWorks
- Computer Aided Manufacturing

Catalog Rights Policy

The "Catalog Rights Policy" sets forth the criteria used for determining the degree requirements under which students may graduate. New students should check AVC's online catalog.

Establishing Catalog Rights: Catalog rights for General Education (GE) and major are determined by the first semester (Fall or Spring) a student attends AVC.

Maintaining Catalog Rights: Students can choose to meet requirements based on any catalog active during their continuous enrollment. Once catalog rights are established, absence related to attendance at another institution of higher learning (formerly known as regionally accredited) shall not be considered an interruption, providing the absence does not exceed two years.

Loss of Catalog Rights: Catalog rights are lost if no course notation (Grade, W, I, Pass/No Pass, RD) appear on the transcript for two consecutive fall/spring semesters. Summer and intersession terms do not count toward continuous enrollment. Upon re-entry, catalog rights for GE and major are reset based on the catalog of the re-entry semester.

Local AVC GE requirements and Re-entry Students (non-AD-T): Students who have fulfilled AVC General Education requirements under previous catalog rights (prior to Fall 2025) will not be subject to current AVC GE requirements.

Military Exceptions: Students on active military duty may retain catalog rights upon providing documentation to the Admissions Office.

CSU/UC GE Policies:

- Rights for certifications: CSU GE, IGETC, or Cal-GETC are subject to guidelines provided by the CSU and UC systems.
- Students with continuous enrollment prior to Fall 2025 may choose to follow CSU, IGETC, or Cal-GETC GE pattern for certification and/or AD-T requirements regardless of major change.
- Students graduating from high school Fall 2025 or later, must adhere to Cal-GETC GE requirements for certification and AD-Ts.

Degrees and Certificates

Subject Area / Degree or Certificate Title	BS	AA-T	AS-T	AA	AS	C
Accounting						
Professional Bookkeeping					AS	C
Administration of Justice			AS-T	AA		
Community Modern Policing (Noncredit)						C
Health and Fitness for First Responders						C
Health and Fitness for First Responders (Noncredit)						C
Modern Policing					AS	
Pathway to Law School, Pre-Law and Legal Careers						C
Advanced Manufacturing						
Computer Aided Manufacturing						C
Computer Aided Drafting in CATIA/3D Experience						C
Computer Aided Drafting in Solidworks						C
Computer Aided Drafting and Manufacturing						C
Aeronautical & Aviation Technology						
Aircraft Airframe					AS	C
Aircraft Powerplant					AS	C
General Aircraft Maintenance					AS	C
Aeronautical Non-Destructive Inspection						C
Aerospace Leadership Management						C
Air Conditioning & Refrigeration						
Air Conditioning & Refrigeration Specialist					AS	C
Air Conditioning Specialist					AS	C
Refrigeration Specialist					AS	C
Aircraft Fabrication and Assembly						
Advanced Aircraft Structures						C
Aircraft Fabrication and Assembly Technician					AS	C
Blueprints & Structures						C
Airframe Manufacturing Technology	BS					
Anthropology		AA-T				
Art						
Art History		AA-T				
Studio Art		AA-T				
Artificial Intelligence Education						C
Auto Body						
Automotive Collision Repair & Refinishing Specialist					AS	C
Automotive Collision Repair Specialist					AS	C
Automotive Refinishing Specialist					AS	C
Automotive Technology						
All Automotive Systems					AS	C
Biological & Environmental Sciences						
Biology			AS-T		AS	
Computational Biology						C
Human Biology and Wellness					AS	
Research Fundamentals Skills (Noncredit)						C
Business						
Business Administration 2.0			AS-T			
Computer and Workplace Fundamentals (Noncredit)						C
General Business					AS	C
Human Resources Professional I						C
Human Resources Professional II						C
Logistics, Transportation and Distribution (Noncredit)						C
Personal Business Ownership (Noncredit)						C
Supply Chain Warehouse Essentials (Noncredit)						C
Business Information Professional					AS	
AI Strategies for Entrepreneurs, Small Business Owners, and Employees (Noncredit)						C
BIP Level I - Business Information Professional Quick Start						C
BIP Level II - Business Information Professional Two						C
BIP Level III - Business Information Professional Three						C
Customer Service Essentials (Noncredit)						C
Cal-GETC						C
Chemistry					AS	
Child and Family Education				AA		C
Child and Family Education Associate Teacher						C
Child and Family Education Specialization with Core 8 Option						C
Early Childhood Education			AS-T			
Home Visitor						C
School-Aged Child Care				AA		C
Site Supervisor I						C
Site Supervisor II						C
Skilled Parenting						C
Communication Studies 2.0		AA-T				
Computer Applications					AS	C
Computer Networking						C
Computer Networking Multi-Platform					AS	C
IT Cybersecurity					AS	C
Network System Administrator I						C
Network System Administrator II						C
Computer Science			AS-T		AS	
Programming Fundamentals						C
Software Development Essentials						C
Dance				AA		
Deaf Studies						
American Sign Language				AA		C
Interpreter Training				AA		C
Digital Media						
Computer Animation				AA		C
Graphic Design				AA		C
Interactive Media-Web Design				AA		C
Video Design & Production				AA		C
Economics		AA-T				
Education						
Elementary Teacher Education		AA-T				
Instructional Aide				AA		C
Electrical Technology					AS	C
Electronics Technology					AS	C
Avionics Technology						C
Emergency Medical Technology						
Emergency Cardiac Care Provider						C
Paramedic					AS	C

Degrees and Certificates Cont.

Subject Area / Degree or Certificate Title	BS	AA-T	AS-T	AA	AS	C
Engineering						
Computer Engineering					AS	
Electrical Engineering					AS	
Engineering Fundamentals						C
General Engineering					AS	
Mechanical Engineering					AS	
Practical 3D Printing (Noncredit)						C
Practical Microcontrollers (Noncredit)						C
Practical Robotics (Noncredit)						C
English		AA-T				
English as a Second Language						
Advanced ESL (Noncredit)						C
High Intermediate ESL (Noncredit)						C
Ethnic Studies						
Chicana and Chicano Studies				AA		
Chicana/o Studies, Latina/o Studies		AA-T				
Film and Television						
Film, Television, and Electronic Media			AS-T			
Fire Technology					AS	C
Firefighter I Academy						C
Wildland Firefighting (Noncredit)						C
Wildland Fire Technology					AS	C
Geosciences						
Geographic Information Systems (GIS)						C
Geography		AA-T				
Geology			AS-T			
Geology Fundamentals						C
History		AA-T				
Human Development						
Career and College Success (Noncredit)						C
Industrial Manufacturing						
Industrial Manufacturing Technician Apprentice						C
Kinesiology		AA-T				
Yoga Instructor (Noncredit)						C
Learning Assistance						
AVC Tutor (Noncredit)						C
College Readiness - Reading and Writing (Noncredit)						C
Legal Assisting (Paralegal)						
Paralegal Studies				AA		C
Liberal Arts and Sciences						
Option I - Math and Science				AA		
Option II - Social/Behavioral Sciences				AA		
Option III - Arts and Humanities				AA		
Management						C
Marketing						
Digital Marketing						C
Mathematics 2.0			AS-T			

Subject Area / Degree or Certificate Title	BS	AA-T	AS-T	AA	AS	C
Medical Assisting					AS	C
Metrology Sciences for Aerospace Manufacturing						C
Music		AA-T		AA		
Music Composition & Songwriting						C
Music Industry Studies				AA		
Music Performance & Education						C
Music Technology, Production, & Management						C
Music, Commercial				AA		
Commercial Music: Level 1						C
Commercial Music: Level II						C
Nursing Science-						
Nursing Skills Lab (Noncredit)						C
Registered Nursing					AS	
Nutrition and Foods						
Nutrition and Dietetics			AS-T			
Nutrition and Disease						C
Philosophy		AA-T				
Photography-Commercial				AA		C
Physics 2.0			AS-T			
Political Science		AA-T				
Law, Public Policy, and Society		AA-T				
Psychology		AA-T				
Alcohol and Other Drug Studies						C
Case Management Work Readiness (Noncredit)						C
Human Services				AA		
Radiologic Technology					AS	
Real Estate					AS	
Real Estate Broker						C
Real Estate Salesperson						C
Real Estate Salesperson (Noncredit)						C
Recreational Leadership						
Recreation and Leisure Studies						C
Respiratory Care	BS				AS	
Sociology		AA-T				
Spanish		AA-T				
Theatre Arts		AA-T				
Technical Theatre						C
Vocational Nursing						
Licensed Vocational Nursing						C
Welding					AS	C
Aerospace Welding						C
Structural Steel Welding Performance (Noncredit)						C

Bachelor Degree Requirements

Conditions for Awarding the Baccalaureate Degree

(Title 5, Sections 55090 et seq.)

1) District governing boards shall confer the baccalaureate degree upon students who have fulfilled the course requirements of sections 55061 and 55091, and who have met the following conditions:

a) Completion of a minimum of 120 semester or 180 quarter units.

b) Completion of a minimum of 36 semester or 54 quarter units of general education that includes:

i) Completion of the requirements in Section 55061 and 55062 to align with the lower division general education patterns of the associate and baccalaureate degrees.

ii) Completion of nine semester or 13.5 quarter units of upper division general education requirements in Section 55091.

(1) Upper division general education courses must come from at least two disciplines outside of the major, one of which must have an emphasis in written communication, oral communication, or computation.

iii) Completion of additional general education courses to meet the minimum total units that may be lower division, upper division, or any combination of lower and upper division.

c) A minimum of 40 semester or 60 quarter units or equivalent of total upper division coursework, including units in the major and in general education.

d) All courses used to satisfy baccalaureate degree requirements must be completed with a minimum grade of "C" (or "P").

i) A maximum of 12 units with a grade of "P" may be applied toward the fulfillment of requirements for the baccalaureate degrees.

e) Satisfactory completion of at least 12 semester units (18 quarter units) of upper division courses at colleges within the awarding district. Governing boards shall adopt policies that permit students to obtain waivers of this requirement in order to alleviate undue hardship; and

f) Courses shall be counted toward baccalaureate degree unit requirements if they were completed within a California segment of higher education or, if they meet district standards of rigor, were completed at another institutionally accredited institution.

g) Courses may meet multiple requirements, including general education, a major, and additional requirements stated in sections 55061 and 55091 when courses are locally approved to meet multiple requirements. However, one course may not be counted in more than one general education area, even if the course is approved in multiple general education areas.

h) Students may receive credit for knowledge or skills acquired through a district's procedures for awarding credit for prior learning as per Section 55050.

i) Students who have been awarded a bachelor's degree from an institutionally accredited institution shall be deemed to have fulfilled the general education course requirements for the baccalaureate degree.

j) Students who have completed the California General Education Transfer Curriculum (Cal-GETC) shall be deemed to have fulfilled lower division baccalaureate degree requirements and shall not be required to complete further lower division general education courses.

1. General Education Requirements

Students will fulfill general education requirements by completing 27 units. This includes:

- One 3-unit semester course from each of the following AVC General Education (GE) Areas: 1a, 1b, 2, 3, 4, 5, 6.
- Two additional courses from two separate AVC GE Areas.

This structure ensures a well-rounded education while allowing flexibility in course selection.

Area 1 - English Composition, Oral Communication, and Critical Thinking

Select 3 units from Area 1A and select 3 units from Area 1B

Area 1A: English Composition

Courses fulfilling this requirement must be baccalaureate-level and include expository and argumentative writing.

ENGL C1000, C1000H

Area 1B: Oral Communication and Critical Thinking

Courses fulfilling this requirement must be baccalaureate-level and may include oral communication and critical thinking courses.

COMM C1000, C1000H
ENGL C1001, C1001H, C1002, C1002H
PHIL 201

Area 2 - Mathematical Concepts and Quantitative Reasoning

Courses fulfilling this requirement must be at least college-level and may include mathematics or quantitative reasoning courses, including logic, statistics, computer languages, and related disciplines.

1 course, 3 semester units or 4 quarter units

MATH 103, 110, 116, 124, 128, 140, 148, 149, 150, 150H, 160, 220, 230, 250
STAT C1000, C1000H

Area 3 - Arts and Humanities

Courses classified as arts and humanities study the cultural activities and artistic expressions of human beings. Such courses develop students' awareness of how people throughout the ages and in different cultures respond to themselves and the world around them in artistic and cultural creation, and develop students' aesthetic understandings and abilities to make value judgments. Courses fulfilling this requirement may include introductory or integrative baccalaureate-level courses in the visual and performing arts, art history, foreign languages, literature, philosophy, religion, and related disciplines.

1 course, 3 semester units or 4 quarter units

ART 100, 103, 104, 106, 113, 132, 135, 137, 140, 145, 163, 170, 213
ARTH C1100, C1100H, C1200, C1200H
CHIN 101, 102, 201, 202
COMM 112, 114, 217, 219
DA 101, 113
DFST 101, 102, 201, 202
ENGL 114, 221, 222, 225, 227, 230, 231, 235, 242, 253, 253H, 256, 257, 259, 265, 279, C1002, C1002H
FREN 101, 102, 201, 202, 203

FTV 101, 107, 108, 201, 203, 251, 261
GER 101, 102, 201, 202
HIST 104, 105, 110, 110H, 111, 111H, 113, 115, 119, C1001, C1001H, C1002, C1002H
LATN 101, 102, 201
MUS 101, 101H, 105, 106, 110, 111, 120, 151
MUSC 102, 103, 107, 108, 109
NF 150
PHIL 105, 105H, 106, 108, 109, 230, 240
PHOT 107
PHTC 101, 150, 201
SPAN 101, 102, 110SS, 201, 202, 203, 210SS, 220SS
THA 101, 101H, 102, 103, 104, 106, 110, 111, 130, 225, 239, 239H, 240

Area 4 - Social and Behavioral Sciences

Courses in the social and behavioral sciences focus on people as members of society and develop awareness of the methods of inquiry used by the social and behavioral sciences. They stimulate critical thinking about how people act and have acted in response to their societies and promote appreciation of how societies and social subgroups operate. Courses fulfilling this requirement may include introductory or integrative baccalaureate-level courses in cultural anthropology, cultural geography, economics, history, political science, psychology, sociology, and related disciplines.

1 course, 3 semester units or 4 quarter units

AJ 206
ANTH 102, 103, 110, 112, 112H, 140
BUS 212
CFE 102, 103
DFST 105, 106, 110
ECON 100, 110, C2001, C2001H, C2002, C2002H
GEOG 105, 106, 110
HIST 104, 105, 110, 110H, 111, 111H, 113, 114, 116, 118, 119, C1001, C1001H, C1002, C1002H
POLS 103, 200, 201, 202, 203, C1000, C1000H,
PSY 200, 201, 212, 230, 232, 233, 234, 235, 236
PSYC C1000, C1000H
SOC 105, 110, 111, 112, 115, 116, 120, 200
SOCI C1000, C1000H

Area 5 - Natural Sciences

Courses in the natural sciences examine the physical universe, its life forms, and its natural phenomena, helping students appreciate and understand the scientific method and the relationships between science and other human activities. Courses fulfilling this requirement may include introductory or integrative baccalaureate-level courses in astronomy, biology, chemistry, general physical science, geology, meteorology, oceanography, physical geography, physical anthropology, physics, and other scientific disciplines.

1 course, 3 semester units or 4 quarter units

ANTH 101, 101H
ASTR C1001, C1001H
BIOL 100, 102, 103, 104, 104H, 110, 120, 201, 202, 204, 205, C1001*#
CHEM 101, 102, 110, 120, 210, 220
ELTE 101
ERSC 101
GEOG 101, 102
GEOL 101, 101H, 102
PHYS 101, 102, 110, 120, 211
PSCI 101

*#BIOL 101 & BIOL 101L must be taken concurrently.

Area 6 - Ethnic Studies

Courses fulfilling this requirement may include baccalaureate-level courses in the four autonomous disciplines within Ethnic Studies: Black Studies; African American Studies; Africana Studies; Native American Studies; Chicano/a/x; Latino/a/x Studies/La Raza Studies; and Asian American Studies.

1 course, 3 semester units or 4 quarter units

ENGL 257
ETHN 101, 102, 110, 111, 112, 113, 114, 257EN

2. Waiver of General Education

Students who have previously been awarded a Bachelor's Degree from a U.S. institutionally accredited institution shall be deemed to have fulfilled the general education requirements (Areas 1a, 1b, 2, 3, 4, 5, and 6) for a **non-transfer** associate degree. This does not apply to Associate Degrees for Transfer (ADTs), which are excluded.

3. Major and/or Area of Emphasis Requirements

Students must receive a minimum grade of "C" or better, or of "P" in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Major requirements may be satisfied by: (Title 5, Section 55062) completing specific major requirements listed in the AVC catalog.

4. Electives

The remaining number of units (up to 60) are considered electives. Any course that has already been counted toward (1) the general education requirements, or (2) the major, cannot be used as an elective.

5. Grade Point Average Requirement

A cumulative grade point average of 2.0 ("C" average) is required.

6. Residence Requirement

Of the required 60 units, "at least 12 semester units must be completed in residence at the college granting the degree." Title 5, Section 54000 et seq. Title 5 of the California Code of Regulations is available at https://govt.westlaw.com/calregs and in the Antelope Valley College Library.

7. Credit for Prior Learning

Students may receive credit for knowledge or skills acquired through the district's procedures for awarding credit for prior learning.

For the most current and up-to-date general education information, please visit the AVC Counseling website.

Preparation for Transfer to Four-Year Institutions

(Title 5, Section 51022[b])

The most important actions a student can take to prepare for transfer are:

1. Read the Antelope Valley College Catalog carefully, paying special attention to the sections on transfer and certification of General Education requirements.
2. Discuss educational plans with a counselor.
3. Plan a course of study being careful to select courses that will be accepted by a transfer school toward a degree there.
4. Become familiar with one or more transfer school catalogs.
5. Review application booklets for information about the application process and deadlines for prospective transfers.

It is important that a prospective transfer student plans a program that is similar to the freshman and sophomore years at a particular four-year school. This is why it is so important that the student reviews transfer school catalogs to see which courses are required of lower division students.

The Antelope Valley College Catalog identifies courses that are transferable and which count toward a bachelor's degree. The catalog also contains information about lower division general education (GE) requirements and how a student can meet some or all of those requirements at Antelope Valley College. Even with these assurances, *it is important that a student works closely with a counselor in planning a program of study* so that the student completes as many transfer requirements as possible.

Application Submission Deadline:
California State University (CSU)

Fall: October 1 - November 30
Spring: August 1-31
Note: Not all CSU's will be open for spring term admission. Check with the CAL STATE APPLY website (www.calstate.edu/apply) for individual campus openings for the spring term.

Application Submission Deadline:
University of California (UC)

Fall: October 1- November 30 (Students can begin to fill out the online application beginning August 1)
Spring: July 1-31
Note: Not all UC's will be open for winter/spring term admission. Check with the UC Admissions website admission. universityofcalifornia.edu/apply-now.html for winter/spring term openings and application deadlines.

Transferability of AVC Courses

Many courses are designated as transferable to either the CSU and/or UC Systems. Courses that are transferable are designated as (CSU) and/or (UC) in the description of courses in the catalog. The CSU will accept up to 70 (CSU) designated semester units and the UC will accept up to 70 (UC) designated semester units. Students desiring to continue at a four-year school should follow the requirements listed in the four-year school's catalog and work closely with a counselor to ensure that courses will meet major and general education requirements upon transfer.

Transerability of External Coursework

AVC cannot guarantee that external coursework will be accepted by other colleges or universities in satisfaction of transfer requirements (general education and/or major preparation). Please note: UC does not award credit posted to a third-party institution's transcript. Credit is only considered from the original institution's official academic record.

Eligibility for Admission to the UC System

All UC campuses have the same admission requirements for transfer students. Some exceptions occur at campuses or in programs where there are more applicants than can be admitted. The way a transfer student can meet the UC's admission requirements is:

1. Complete 60 UC transferable semester units at AVC;
2. Earn at least a minimum 2.4 GPA in UC transferable courses* at AVC; and,
3. Complete the required/recommended courses needed for your intended major with the minimum grades.

***Earning a 2.4 GPA does not guarantee admission to the University of California.** Certain programs and/or campuses may be impacted and therefore require additional criteria for acceptance.

Eligibility for Admission to the CSU System

All CSU campuses have the same admission requirements for transfer students. Some exceptions occur at campuses or in programs where there are more applicants than can be admitted. In general, however, a student will qualify for most campuses and programs if the student has a 2.0 GPA or better in all transferable units and meets one of the following standards:

1. Complete 60 transferable semester units at AVC;
2. Establish a cumulative 2.0 GPA at AVC; and,
3. Complete the (34 units) Cal-GETC pathway. Please note: a grade of "C" or better is required for courses to meet the Golden Four requirements.

***Earning a 2.0 GPA does not guarantee admission to the California State University.** Certain programs and/or campuses may be impacted and therefore require additional criteria for acceptance.

Independent Colleges and Universities

Admission and graduation requirements for independent schools vary according to the institution. To determine specific requirements, access the respective institution's website.

The California General Education Transfer Curriculum (Cal-GETC)

The California General Education Transfer Curriculum (Cal-GETC) is the singular general education pathway for California Community College (CCC) students seeking transfer to the California State University (CSU) and University of California (UC) systems. Beginning in fall 2025, Cal-GETC will serve as the standardized lower-division general education framework, ensuring students efficiently fulfill admission requirements while minimizing additional coursework after transfer. Established under Assembly Bill 928, this initiative streamlines degree completion and enhances transfer success by aligning associate degree requirements with university standards. Oversight of the curriculum and its policies is managed by the Intersegmental Committee of the Academic Senates (ICAS), which represents faculty from California's three public higher education segments.

A minimum grade of "C" (2.0 grade points on a 4.0 scale) is required for each college course applied to Cal-GETC. A "C-" grade, valued below 2.0 grade points, cannot be used for certification.

AREA 1– English Communication
3 courses required, 1 from each group 9 semester or 12 quarter units
Area 1A: **English Composition**
1 course, 3 semester or 4 quarter units.
ENGL C1000, C1000H

Area 1B: **Critical Thinking–English Composition**
1 course, 3 semester or 4 quarter units. Course selected must have English Composition as a prerequisite. No AP or IB scores accepted for this area.

ENGL C1001, C1001H, C1002, C1002H
PHIL 201

Area 1C: **Oral Communication**
1 course, 3 semester or 4 quarter units.

COMM C1000, C1000H

AREA 2– Mathematical Concepts and Quantitative Reasoning
1 course, 3 semester or 4 quarter units.

MATH 110, 116, 124, 128, 140, 148, 149, 150, 150H, 160, 220, 230, 250
STAT C1000, C1000H

AREA 3 – Arts and Humanities
2 courses (1 course from 3A, 1 from the 3B), 6 semester units or 8 quarter units

3A: Arts:
ART 100, 103, 104, 106
ARTH C1100, C1100H, C1200, C1200H
DA 101, 113
ENGL 235
FTV 101, 107, 108, 201, 203
MUS 101, 101H, 105, 106, 110
MUSC 102, 103, 107, 108, 109
THA 101, 101H, 110, 111, 225

3B: Humanities:
CHIN 102
COMM 114, 217
ENGL 221, 222, 225, 227, 230, 231, 235, 242, 253, 253H, 256, 257, 259, 265, 279
FREN 102, 201, 202, 203
FTV 201, 203, 251, 261
GER 102, 201, 202
HIST 104, 105, 110H, 111H, 113, 115, 119, C1001, C1001H, C1002, C1002H
LATN 102, 201
PHIL 105, 105H, 106, 108, 109, 230, 240
PHOT 107
SPAN 110SS, 201, 202, 203, 210SS, 220SS
THA 239, 239H

AREA 4 – Social and Behavioral Sciences
2 courses, 6 semester or 8 quarter units. 2 courses from 2 academic disciplines are required.

AJ 206
ANTH 102, 103, 110, 112, 112H, 140
BUS 212
CFE 102, 103
DFST 105, 106, 110
ECON 100, 110, C2001, C2001H, C2002, C2002H
GEOG 105, 106, 110
HIST 104, 105, 110, 110H, 111, 111H, 113, 114, 116, 118, 119, C1001, C1001H, C1002, C1002H
POLS 103, 200, 201, 202, 203, C1000, C1000H
PSY 200, 201, 212, 230, 232, 233, 234, 235, 236
PSYC C1000, C1000H
SOC 105, 110, 111, 112, 115, 116, 120, 200
SOCI C1000, C1000H

AREA 5 – Physical and Biological Sciences
2 courses (1 Physical Science {A} and 1 Biological Science {B}); at least 1 of the 2 courses must be associated with a Laboratory. 7 semester units or 9 quarter units
meets 5C requirement

5A: Physical Sciences:
ASTR C1001, C1001H
CHEM 101#, 102#, 110#, 120#, 210#, 220#
ERSC 101#
GEOG 101, 102
GEOL 101, 101H, 102
PHYS 101#, 102#, 110#, 120#, 211#
PSCI 101#

5B: Biological Sciences:
ANTH 101, 101H
BIOL 102#, 103#, 104, 104H, 110#, 120#, 201#, 202#, 204#, 205#, C1001*#
#Meets laboratory requirement.
*# Must register for required lab component separately.

5C: Laboratory:
ANTH 101L
ASTR C1001L
BIOL C1001L
GEOG 101L, 102L
GEOL 101L, 102L

AREA 6 – Ethnic Studies
1 course, 3 semester or 4 quarter units

ENGL 257
ETHN 101, 102, 112, 114, 257EN

(Optional) UC GRADUATION REQUIREMENT: LANGUAGE OTHER THAN ENGLISH
Not part of Cal-GETC, courses may be completed prior to transfer.

CHIN 102
DFST 102, 201, 202
FREN 102, 201, 202, 203
GER 102, 201, 202
LATN 102, 201
SPAN 102, 110SS, 201, 202, 203, 210SS, 220SS

(Optional) CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS
Although not a transfer or CSU admissions requirement, the CSU system requires students to complete coursework in American History (US-1), the U.S. Constitution (US-2), California State & Local Government (US-3) as a graduation requirement. This requirement may be met by completing POLS C1000 or POLS C1000H and one of the HIST courses listed below. Courses may double count with Area 3B or 4, if applicable.

2 courses, 6 semester or 8 quarter units

Not part of Cal-GETC, courses may be completed prior to transfer.

POLS C1000 or POLS C1000H and one HIST course from the following: HIST 110, 111, 111H, C1001, C1001H, C1002, C1002H

For the most current and up-to-date 2026-2027 general education information, please visit the AVC Counseling website.

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to www.assist.org to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Students may consult the ASSIST database at www.assist.org for specific information on C-ID course designations. Counselors can always help students interpret or explain this information.

C-ID Course	AVC Course	
ACCT 110	ACCT 201	Financial Accounting
ACCT 120	ACCT 205	Managerial Accounting
ADS 130 X	PSY 105	Group Leadership and Process
ADS 140 X	PSY 103	The Physiology and Pharmacology of Psychoactive Drugs
ADS 150 X	PSY 104	Prevention, Intervention, and Education
AG-EH 108/ 108 L	AGRI 134	Plant Identification I
AG-EH 112/ 109 L	AGRI 234	Plant Identification II
AJ 110	AJ 101	Introduction to Administration of Justice
AJ 120	AJ 102	Criminal Law
AJ 124	AJ 103	Criminal Evidence
AJ 140	AJ 205	Criminal Investigation
AJ 150	AJ 208	Introduction to Forensic Science
AJ 160	AJ 201	Modern Policing in Society
AJ 200	AJ 104	Introduction to Corrections
AJ 220	AJ 204	Juvenile Procedures
ANTH 110	ANTH 101	Introduction to Physical Anthropology
ANTH 110	ANTH 101	Introduction to Biological Anthropology
ANTH 110	ANTH 101H	Biological Anthropology Honors
ANTH 115 L	ANTH 101L	Physical Anthropology Laboratory
ANTH 115 L	ANTH 101L	Biological Anthropology Lab
ANTH 120	ANTH 102	Introduction to Cultural Anthropology
ANTH 150	ANTH 140	Introduction to Archaeology
ARTH 100	ART 100	Art Appreciation
ARTH 110	ART 101	History of Art, Prehistoric to Gothic
ARTH 110	ARTH C1100	Survey of Art from Prehistory to the Medieval Era
ARTH 110	ART 101H	History of Art, Prehistoric to Gothic Honors
ARTH 110	ARTH C1100H	Survey of Art from Prehistory to the Medieval Era - Honors
ARTH 130	ART 106	History of Art: Asia
ARTH 140	ART 103	History of Art: Africa, Oceania and Indigenous North America
ARTH 150	ART 104	History of Modern and Contemporary Art in the 20th Century
ARTS 100	ART 145	2-D Design Basics
ARTS 101	ART 150	3-D Design Basics
ARTS 110	ART 110	Drawing
ARTS 200	ART 216	Life Drawing
ARTS 205	ART 170	Drawing II
ARTS 205	ART 210	Advanced Drawing
ARTS 210	ART 113	Painting
BIOL 110 B	BIOL 201	General Human Anatomy
BIOL 120 B	BIOL 202	General Human Physiology
BIOL 140	BIOL 120	General Organismal, Ecological and Evolutionary Biology
BIOL 190	BIOL 110	General Molecular Cell Biology
BUS 110	BUS 101	Introduction to Business
BUS 115	BUS 113	Business Communications
BUS 125	BUS 201	Business Law
BUS 125	BUS 201H	Business Law Honors
BUS 140	CA 103	Introduction to Computers and Digital Technology
BUS 140	CA 221	Computer Concepts and Applications in Business
BUS 140	CIS 101	Introduction to Computer Information Science
CDEV 100	CFE 102	The Developing Child
CDEV 100	CFE 102	The Developing Child-Child Growth and Development
CDEV 110	CFE 103	The Child in Family and Community Relationships
CHEM 101	CHEM 101	Introductory Chemistry
CHEM 102	CHEM 102	Introductory Chemistry (Organic & Biochemistry)
CHEM 110	CHEM 110	General Chemistry
CHEM 120 S	CHEM 110	General Chemistry **&**
	CHEM 120	General Chemistry
CHEM 150	CHEM 210	Organic Chemistry
CHEM 160 S	CHEM 210	Organic Chemistry **&**
	CHEM 220	Organic Chemistry
CMUS 100 X	MUSC 100	Introduction to Music Technology
CMUS 130 X	MUSC 233	Music Production II
CMUS 140 X	MUSC 104	The Music Industry
COMM 110	COMM 101	Introduction to Public Speaking
COMM 110	COMM C1000	Introduction to Public Speaking
COMM 110	COMM C1000H	Introduction to Public Speaking Honors
COMM 110	COMM 201	Virtual Communication and Expressive Technology
COMM 115	COMM 103	Process of Communication
COMM 120	COMM 115	Introduction to Argumentation and Debate
COMM 130	COMM 107	Introduction to Interpersonal Communication
COMM 140	COMM 109	Small Group Communication
COMM 150	COMM 219	Introduction to Intercultural Communication
COMM 160 B	COMM 116	Forensics
COMM 170	COMM 112	Oral Interpretation
COMM 180	COMM 103	Process of Communication
COMM 190	COMM 110	Persuasion
COMP 112	CS 110	Introduction to Programming Concepts and Methodologies
COMP 122	CS 120	Programming and Algorithms in C++
COMP 122	CIS 111	Introduction to Programming and Algorithms
COMP 122	CS 121	Programming and Algorithms in Java
COMP 122	CS 122	Programming and Algorithms in Python
COMP 122	CS 123	Programming and Algorithms in C#
COMP 132	CS 130	Data Structures using C++
COMP 132	CS 131	Data Structures in Java
COMP 132	CIS 113	Data Structures
COMP 132	CS 132	Data Structures in Python
COMP 142	CS 140	Assembly Language and Computer Architecture
COMP 142	CIS 123	Assembly Language and Computer Architecture
COMP 152	CIS 121	Computer Mathematics
COMP 152	CS 150	Discrete Structures

C-ID Course	AVC Course	
ECE 120	CFE 101	Introduction to Early Childhood Education
ECE 120	CFE 101	Principles and Practices of Teaching Young Children
ECE 130	CFE 105	Discovery-Based Education for Children
ECE 200	CFE 201	Child Development Practicum-Observation and Assessment
ECE 210	CFE 202	Child Development Practicum-Emergent Leadership
ECE 220	CFE 211	Health, Safety and Nutrition for the Young Child
ECE 230	CFE 116	Diversity in Early Childhood Education
ECON 201	ECON 102	Principles of Microeconomics
ECON 201	ECON C2001	Principles of Microeconomics
ECON 201	ECON 102H	Principles of Microeconomics Honors
ECON 201	ECON C2001H	Principles of Microeconomics Honors
ECON 202	ECON 101	Principles of Macroeconomics
ECON 202	ECON C2002	Principles of Macroeconomics
ECON 202	ECON 101H	Principles of Macroeconomics Honors
ECON 202	ECON C2002H	Principles of Macroeconomics Honors
EET 100 X	ELTE 125	Direct Current and Alternating Current Principles
EET 105 X	ELTE 125	Direct Current and Alternating Current Principles
EET 130 X	ELTE 130	Digital Circuit Analysis
EET 140 X	ELTE 180	Microprocessor Systems
EET 142 X	ELTE 180	Microprocessor Systems
EET 144 X	ELTE 180	Microprocessor Systems
EET 150 X	ELTE 180	Microprocessor Systems
EET 155 X	ELEC 160	Fundamentals of Motor Control
ENGL 100	ENGL 101	Academic Composition
ENGL 100	ENGL 101SL	Academic Composition for ESL
ENGL 100	ENGL C1000	Academic Reading and Writing
ENGL 100	ENGL C1000H	Academic Reading and Writing - Honors
ENGL 105	ENGL 103	Critical Thinking and Research
ENGL 105	ENGL C1001	Critical Thinking and Writing
ENGL 105	ENGL 103H	Critical Thinking and Research Honors
ENGL 105	ENGL C1001H	Critical Thinking and Writing - Honors
ENGL 120	ENGL 102	Critical Thinking and Literature
ENGL 120	ENGL C1002	Introduction to Literature
ENGL 120	ENGL 102H	Critical Thinking and Literature Honors
ENGL 120	ENGL C1002H	Introduction to Literature - Honors
ENGL 130	ENGL 221	American Literature, 1400-1865
ENGL 135	ENGL 222	American Literature, 1865-Present
ENGL 140	ENGL 230	Masterpieces of World Literature: Antiquity to the Renaissance
ENGL 140	ENGL 230	World Literature 1
ENGL 140	ENGL 230H	World Literature 1 Honors
ENGL 145	ENGL 231	Masterpieces of World Literature: Since the Renaissance
ENGL 145	ENGL 231	World Literature 2
ENGL 160	ENGL 225	English Literature, 800-1750
ENGL 165	ENGL 226	English Literature, 1750-1900 **&**
	ENGL 227	English Literature, 1900-Present
ENGL 200	ENGL 114	Creative Writing
ENGR 110	ENGR 110	Engineering Orientation and Basic Skills
ENGR 110	ENGR 110	Introduction to Engineering
ENGR 130	ENGR 210	Statics
ENGR 140	ENGR 130	Material Science
ENGR 140 B	ENGR 130	Material Science
ENGR 140 L	ENGR 130L	Material Science Lab
ENGR 150	ENGR 140	Engineering 3D Graphics
ENGR 220	ENGR 125	Programming and Problem-Solving in MATLAB
ENGR 230	ENGR 215	Dynamics
ENGR 240	ENGR 220	Strength of Materials,
	ENGR 220L	Strength of Materials Lab
	ENGR 220PS	Strength of Materials Problem Solving Session
ENGR 240	ENGR 220	Strength of Materials
ENGR 260	ENGR 230	Circuit Analysis
ENGR 260 L	ENGR 230	Circuit Analysis
ENVS 100	BIOL 104	Environmental Biology
ENVS 100	BIOL 104H	Environmental Biology Honors

C-ID Course	AVC Course	
FIRE 100 X	FTEC 111	Fire Protection Organization
FIRE 110 X	FTEC 112	Fire Prevention Technology
FIRE 120 X	FTEC 113	Fire Protection Equipment and Systems
FIRE 130 X	FTEC 212	Building Construction for the Fire Service
FIRE 140 X	FTEC 211	Fire Behavior and Combustion
FIRE 241 X	FTW 222	Wildland Fire Behavior
FTVE 115	FTV 134	Introduction to Screenwriting
FTVE 150	FTV 121	Beginning Motion Picture Production
FTVE 150	FTV 244	Production and Post-Production of the Short Film
GEOG 110	GEOG 101	Physical Geography: Earth's Surface Landscapes
GEOG 111	GEOG 101L	Physical Geography Lab: Earth's Surface Landscapes
GEOG 120	GEOG 105	Cultural Geography
GEOG 125	GEOG 110	World Regional Geography
GEOG 130	GEOG 102	Physical Geography: Earth's Weather & Climate
GEOG 140	GEOG 106	California Geography
GEOG 150	GEOG 201	Map Interpretation and GPS
GEOG 155	GEOG 205	Introduction to Geographic Information Systems
GEOG 160	GEOG 299	Special Topics - Field Geography
GEOL 100	GEOL 101	Physical Geology
GEOL 100	GEOL 101H	Physical Geology Honors
GEOL 100 L	GEOL 101L	Physical Geology Lab
GEOL 110	GEOL 102	Historical Geology
GEOL 110 L	GEOL 102L	Historical Geology Laboratory
GEOL 121	ERSC 101	Introduction to Earth Science
HIST 130	HIST 107	U.S. History, 1607-1877
HIST 130	HIST 107H	U.S. History from 1607-1877 Honors
HIST 140	HIST 108	U.S. History from 1865
HIST 150	HIST 104	Introduction to World Civilizations, From Human Beginnings Until 1500
HIST 160	HIST 105	Introduction to World Civilizations, 1500-Present
HIST 170	HIST 101	Western Civilization, From Human Beginnings Until 1750
HIST 180	HIST 102	Western Civilization, 1750-Present
ITIS 110	CA 107	Microcomputer Hardware and Software Support
ITIS 120	CA 221	Computer Concepts and Applications in Business
ITIS 135	CA 157	Introduction to Linux
ITIS 150	CA 171	Introduction to Networking
ITIS 155	CA 159	SUSE Linux Server Administration
ITIS 164	CA 183	Security Countermeasures
ITIS 165	CA 165	Digital Forensics Fundamentals
ITIS 166	CA 179	Cybersecurity Operations -CCNA-Cyberops
ITIS 167	CA 185	Network Security - Firewalls and VPNs
ITIS 170	CA 170	Virtualization and Cloud Essentials
ITIS 171	CA 166	Cloud Security Fundamentals
JOUR 100	COMM 105	Introduction to Mass Communication
JOUR 110	JOUR 121	Beginning Journalism
KIN 100	KINT 100	Introduction to Kinesiology
KIN 101	HE 100	First Aid and Emergency Care
MATH 110	MATH 115	Statistics
MATH 110	STAT C1000	Introduction to Statistics
MATH 110	MATH 115H	Statistics Honors
MATH 110	STAT C1000H	Introduction to Statistics - Honors
MATH 120	MATH 120	Math for Teachers
MATH 130	MATH 124	Finite Math
MATH 140	MATH 148	Calculus for Business and Economics
MATH 150	MATH 128	College Algebra for Liberal Arts
MATH 155	MATH 140	Precalculus
MATH 210	MATH 150	Calculus and Analytic Geometry
MATH 220	MATH 160	Calculus and Analytic Geometry
MATH 230	MATH 250	Calculus and Analytic Geometry
MATH 240	MATH 230	Introduction to Ordinary Differential Equations
MATH 250	MATH 220	Linear Algebra
MATH 900 S	MATH 150	Calculus and Analytic Geometry **&**
	MATH 160	Calculus and Analytic Geometry

C-ID Course	AVC Course	
MUS 100	MUS 101	Music Appreciation
MUS 100	MUS 101H	Music Appreciation Honors
MUS 110	MUS 111	Fundamentals of Music
MUS 120	MUS 120	Music Theory I
MUS 125	MUS 153A	Musicianship I
MUS 130	MUS 151	Beginning Music Theory
MUS 135	MUS 153	Beginning Musicianship
MUS 135	MUS 153B	Musicianship II
MUS 140	MUS 251A	Intermediate Music Theory
MUS 145	MUS 253A	Intermediate Musicianship
MUS 150	MUS 251B	Advanced Music Theory
MUS 155	MUS 253B	Advanced Musicianship
MUS 160	MUS 291	Applied Music **&**
	MUS 292	Applied Music Performance
MUS 160	MUS 291A	Private Lessons: Voice, Guitar, and Piano
MUS 160	MUS 291B	Private Lessons: Winds, Brass, and Percussion
MUS 160	MUS 291C	Private Lessons: Bowed Strings
MUS 160	MUS 291D	Private Lessons: Popular Music, Composition, and Non-Transfer
MUS 170	MUS 255A	Beginning Keyboard Harmony
MUS 171	MUS 255B	Advanced Keyboard Harmony
MUS 180	MUS 160	Symphonic Band
MUS 180	MUS 166	Beginning Orchestra
MUS 180	MUS 167	Intermediate Orchestra
MUS 180	MUS 169	Marching Percussion Ensemble
MUS 180	MUS 181	Master Chorale
MUS 180	MUS 185	Concert Choir
MUS 180	MUS 260	Concert Band
MUS 180	MUS 266	Advanced Orchestra
MUS 180	MUSC 173	Beginning Jazz Ensemble
MUS 180	MUSC 273	Intermediate Jazz Ensemble
MUS 180	MUSC 274	Advanced Jazz Ensemble
MUS 185	MUS 170	Beginning Flute Choir
MUS 185	MUS 171	Intermediate Flute Choir
MUS 185	MUS 270	Advanced Flute Choir
MUS 185	MUSC 124	Jazz Improvisation
MUS 185	MUSC 124A	Jazz Improvisation A
MUS 185	MUSC 124B	Jazz Improvisation B
MUS 185	MUSC 124C	Jazz Improvisation C
MUS 185	MUSC 170A	Marching Ensemble
MUS 185	MUSC 175	Beginning Rock Band
MUS 185	MUSC 175A	Rock Band A
MUS 185	MUSC 175B	Rock Band B
MUS 185	MUSC 175C	Rock Band C
MUS 185	MUSC 220A	Commercial Music Ensemble A
MUS 185	MUSC 220B	Commercial Music Ensemble B
MUS 185	MUSC 220C	Commercial Music Ensemble C
MUS 185	MUSC 222	Popular Vocal Performance
NUTR 110	NF 100	Nutrition
NUTR 120	NF 103	Principles of Food Preparation
PHIL 100	PHIL 106	Introduction to Philosophy
PHIL 110	PHIL 110	Introduction to Logic
PHIL 120	PHIL 105	Ethics: Moral Issues in Contemporary Society
PHIL 120	PHIL 105H	Ethics: Moral Issues in Society Honors
PHIL 210	PHIL 210	Symbolic Logic
PHYS 100S	PHYS 101	Introductory Physics **&**
	PHYS 102	Introductory Physics
PHYS 105	PHYS 101	Introductory Physics
PHYS 110	PHYS 102	Introductory Physics
PHYS 205	PHYS 110	General Physics
PHYS 210	PHYS 120	General Physics
PHYS 215	PHYS 211	General Physics
POLS 110	POLS 101	American Political Institutions
POLS 110	POLS C1000	American Government and Politics
POLS 110	POLS 101H	American Political Institutions Honors
POLS 110	POLS C1000H	American Government and Politics - Honors
POLS 120	POLS 200	Introduction to Political Theory
POLS 130	POLS 103	Comparative Government
POLS 140	POLS 201	Contemporary International Relations

C-ID Course	AVC Course	
PSY 110	PSY 101	General Psychology
PSY 110	PSYC C1000	Introduction to Psychology
PSY 110	PSY 101H	General Psychology Honors
PSY 110	PSYC C1000H	Introduction to Psychology - Honors
PSY 115	PSY 233	Personal and Social Adjustment
PSY 120	PSY 234	Abnormal Psychology
PSY 130	PSY 212	Human Sexuality
PSY 150	PSY 201	Introduction to Physiological Psychology
PSY 170	PSY 230	Social Psychology
PSY 180	PSY 236	Developmental Psychology
PSY 200	PSY 200	Introduction to Research Methods in Psychology
SOCI 110	SOC 101	Introduction to Sociology
SOCI 110	SOC 101H	Introduction to Sociology - Honors
SOCI 115	SOC 112	American Social Issues: Problems and Challenges
SOCI 120	SOC 200	Research Methods for the Social Sciences
SOCI 130	SOC 115	Marriage and Family Life
SOCI 140	SOC 116	Sociology of Gender and Sexuality
SOCI 150	SOC 110	Ethnic Relations
SOCI 160	AJ 206	Criminology
SPAN 100	SPAN 101	Elementary Spanish 1
SPAN 110	SPAN 102	Elementary Spanish 2
SPAN 200	SPAN 201	Intermediate Spanish 1
SPAN 210	SPAN 202	Intermediate Spanish 2
SPAN 220	SPAN 110SS	Spanish for Heritage Speakers I
SPAN 230	SPAN 210SS	Spanish for Heritage Speakers II
THTR 111	THA 101	Introduction to Theatre
THTR 112	THA 101	Theatre Appreciation
THTR 114	THA 225	Script Analysis
THTR 151	THA 110	Fundamentals of Acting
THTR 152	THA 125	Intermediate Acting Workshop
THTR 171	THA 102	Introduction to Stagecraft
THTR 173	THA 103	Introduction to Stage Lighting
THTR 174	THA 104	Introduction to Costume Design for Theatre
THTR 175	THA 133	Makeup for the Stage
THTR 191	THA 115A	Rehearsal and Performance: Drama
THTR 191	THA 115B	Rehearsal and Performance: Drama
THTR 191	THA 116A	Rehearsal and Performance: Comedy
THTR 191	THA 116B	Rehearsal and Performance: Comedy
THTR 191	THA 117A	Rehearsal and Performance: Musical Theatre
THTR 191	THA 117B	Rehearsal and Performance: Musical Theatre
THTR 191	THA 118A	Rehearsal and Performance: Children's Theatre
THTR 191	THA 118B	Rehearsal and Performance: Children's Theatre
THTR 191	THA 120A	Rehearsal and Performance: Drama
THTR 191	THA 120B	Rehearsal and Performance: Comedy
THTR 191	THA 120C	Rehearsal and Performance: Musical Theatre
THTR 191	THA 120D	Rehearsal and Performance: Children's Theatre
THTR 192	THA 121A	Theatre Production
THTR 192	THA 121B	Theatre Production
WELD 101X	WELD 120	Basic Shielded Metal Arc Welding

Department Description

Accounting is the "language of business" and involves the measurement, processing, and communication of financial information. Accounting information is used to help business owners and managers make business decisions. Accounting information is also used by bankers, investors, auditors and regulatory bodies, such as the IRS. Accounting courses are offered for two separate career goals based on the level of formal education. 100-level courses are available for those seeking to earn the Professional Bookkeeping Degree or Certificate, or other business-related certificates. 200-level courses are transferable courses for the student preparing for a four-year degree, primarily in Accounting, Business, or Economics.

Program Learning Outcomes

Professional Bookkeeping Cert & AS

1. Understand and apply ethics in a bookkeeping environment.
2. Analyze, compute and record bookkeeping transactions in the form of journal entries.
3. Prepare and analyze basic financial statements, financial ratios and tax forms.
4. Demonstrate communication, presentation, math and computer skills needed to function effectively as a team member in a diverse business environment.

Certificate Program

Professional Bookkeeping Cert

This certificate requires a minimum of 32-33 units. This program provides entry-level bookkeeping skills to those considering the bookkeeping/accounting field and will enhance the skills of currently employed individuals to facilitate advancement opportunities.

Students who complete this certificate have enhanced employability with various types of employers and in various fields of bookkeeping and accounting. For example, students may be employed by governmental agencies, not-for-profit organizations, and private businesses. They may even decide to go into business for themselves as a bookkeeper, tax preparer or accountant, preferably after gaining initial or additional experience on the job. Specific positions of employment for Professional Bookkeepers include accounting clerks, accounting technicians, auditing clerks, bookkeeping clerks, and full-charge bookkeepers.

A maximum of 6 pass/no pass units will be accepted for a Professional Bookkeeping certificate.

Program Requirements
Professional Bookkeeping Cert (Total 32 - 33)
Complete all of the following

Required Courses (29-30)
Complete all of the following
Core Courses (Total 26)

Complete all of the following	**Units**
ACCT 111 - Bookkeeping	3
ACCT 113 - Bookkeeping II	3
ACCT 115 - Payroll Bookkeeping	2
ACCT 121 - Computerized Accounting	3
ACCT 131 - Introduction to Income Tax	3
BUS 113 - Business Communications	3
BUS 121 - Fundamentals of Investment and Personal Finance	3
CA 103 - Introduction to Computers and Digital Technology	3
CA 121 - Microcomputer Spreadsheets	3

Math Requirement (Total 3 - 4)
Complete the following number of units: 3-4

BUS 105 - Business Mathematics	3
MATH 124 - Finite Math	4

Program Electives (Total 3)
Complete the following number of units: 3

ACCT 199 - Work Experience Education	1-8
BUS 101 - Introduction to Business	3
BUS 201 - Business Law	3
CA 111 - Word Processing-Microsoft Word	3
CA 131 - Relational Database Management and Design	3
MGT 115 - Human Behavior in Organization	3

Recommended Pathway

Fall, First Semester	**Units**
ACCT 111 - Bookkeeping	3
ACCT 131 - Introduction to Income Tax	3
CA 103 - Introduction to Computers and Digital Technology	3
CA 121 - Microcomputer Spreadsheets	3
Math Requirement (BUS 105 ***OR*** MATH 124)	3-4
	Total 15-16
Spring, Second Semester	
ACCT 113 - Bookkeeping II	3
ACCT 115 - Payroll Bookkeeping	2
ACCT 121 - Computerized Accounting	3
BUS 113 - Business Communications	3
BUS 121 - Fundamentals of Investment and Personal Finance	3
Program Electives (see list)	1-8
	Total 15-22
	Certificate Total 30-38

Associate Degree

Professional Bookkeeping AS

This major is primarily intended for those students who plan to obtain employment or desire promotions in their current positions in the accounting and bookkeeping field. The requirements for this degree are satisfied by completing all requirements for the Professional Bookkeeping Certificate plus completing general education requirements that are shown on the Recommended Plan of Study. In any case, a minimum of 60 units is required in order to earn the Professional Bookkeeping Associate Degree. (See Graduation/Associate Degree Requirements.)

Students who complete this associate degree have enhanced employability with various types of employers and in various fields of bookkeeping and accounting. For example, students may be employed by governmental agencies, not-for-profit organizations, and private businesses. They may even decide to go into business for themselves as a bookkeeper, tax preparer or accountant, preferably after gaining initial or additional experience on the job. Specific positions of employment for Professional Bookkeepers include accounting clerks, accounting technicians, auditing clerks, bookkeeping clerks, and full-charge bookkeepers. The general education obtained with the associate degree will provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment,

Except in cases of a prerequisite requirement, it is not required that courses be taken in exactly this sequence; they are recommended in this order to facilitate success. It is recommended that students choose to take courses from the Program Elective list as their General Electives to enhance their learning and specialized knowledge in the area of Bookkeeping.

Program Requirements
Professional Bookkeeping AS (Total 32 - 33)
Complete all of the following

Required Courses (Total 29 - 30)
Complete all of the following
Core Courses (Total 26)

Complete all of the following	**Units**
ACCT 111 - Bookkeeping	3
ACCT 113 - Bookkeeping II	3
ACCT 115 - Payroll Bookkeeping	2
ACCT 121 - Computerized Accounting	3
ACCT 131 - Introduction to Income Tax	3
BUS 113 - Business Communications	3
BUS 121- Fundamentals of Investment and Personal Finance	3
CA 103 - Introduction to Computers and Digital Technology	3
CA 121 - Microcomputer Spreadsheets	3

Math Course (Total 3 - 4)

BUS 105 - Business Mathematics	3
MATH 124 - Finite Math	4

Program Electives (Total 3)
Complete the following number of units: 3

ACCT 199 - Work Experience Education	3-8
BUS 101 - Introduction to Business	3
BUS 201 - Business Law	3
CA 111 - Word Processing-Microsoft Word	3
CA 131 - Relational Database Management and Design	3
MGT 115 - Human Behavior in Organization	3

Recommended Pathway

Fall, First Semester	**Units**
ACCT 111 - Bookkeeping	3
CA 103 - Introduction to Computers and Digital Technology	3
BUS 105 - Business Mathematics	3
MATH 103 ***OR*** MATH 124 ***OR*** any AVC GE Area 2	3-4
AVC GE Area 1A (ENGL C1000)	4
Total 16-17	
Spring, Second Semester	
ACCT 113 - Bookkeeping II	3
ACCT 115 - Payroll Bookkeeping	2
BUS 113 - Business Communications	3
COMM C1000 ***OR*** any AVC GE Area 1B	3
CA 121 - Microcomputer Spreadsheets	3
Total 14	
Summer Term	
POLS C1000 ***OR*** any AVC GE Area 4	3
Total 3	
Fall, Third Semester	
ACCT 121 - Computerized Accounting	3
ACCT 131 - Introduction to Income Tax	3
AVC GE Area 5	3
AVC GE Area 6	3
Program Electives (see list)	3-8
Total 15-20	
Spring, Fourth Semester	
BUS 121 - Fundamentals of Investment and Personal Finance	3
AVC GE Area 3	3
General Elective	3
General Elective	3
Total 12	
Degree Total 60-66	

Accounting Courses

ACCT 111 BOOKKEEPING

3 Units
Total Course Lecture Hours 54
This course introduces the theory and application of double-entry bookkeeping for non-transfer students pursuing a degree/certificate in bookkeeping, or entry-level accounting careers. It emphasizes the full accounting cycle for sole proprietorships engaged in service and merchandising. Students will learn skills including recording financial transactions, preparing financial statements, and reconciling bank statements. This course provides foundational skills necessary for success in ACCT 113, eases the transition into ACCT 201, and prepares students for practical bookkeeping roles. (AVC)

ACCT 113 BOOKKEEPING II

3 Units
Total Course Lecture Hours 54
Prerequisite: *Completion of ACCT 111 or ACCT 201.*
Designed for non-transfer students pursuing the Professional Bookkeeping Degree/Certificate, this course builds on ACCT 111 with advanced bookkeeping skills, such as accounting for accounts receivable and uncollectible accounts, calculating and recording interest for notes receivable and payable, differentiating between perpetual and periodic inventory systems and employing the use of different inventory cost flow methods. Students will be introduced to accounting for partnerships and the characteristics of corporations, as well as learn to prepare a statement of cash flows and analyze financial data. (CSU, AVC)

ACCT 115 PAYROLL BOOKKEEPING

2 Units
Total Course Lecture Hours 36
Prerequisite: *Completion of ACCT 111*
Students will learn the specific human resource and payroll accounting required under the Fair Labor Standards Act, Social Security Administration, plus Federal and State withholding tax systems. The actual tasks that payroll clerks and payroll accountants perform are practiced so that students can explore potential payroll and bookkeeping employment opportunities. Note: This course counts toward the Professional Bookkeeping certificate. (AVC)

ACCT 121 COMPUTERIZED ACCOUNTING

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

Prerequisite: *Completion of ACCT 201 or ACCT 111 within the past five years.*

This course involves the study of concepts and skills of computerized accounting systems using common integrated computerized accounting software systems used in small businesses. Topics to be covered include setup and maintenance of new company systems, managing chart of accounts and ledgers, analyzing and entering transactions, calculating and processing payroll, generating financial reports, file management, incorporating online resources into system processes, and managing system security. BEFORE ENROLLING, students should have strong computer software skills, including basic keyboarding, managing folders and files, plus Internet and browser skills. Software used in class includes small business accounting software commonly used in business, such as QuickBooks or Sage. Spreadsheets, email and discussion forums are also used. (CSU, AVC)

ACCT 131 INTRODUCTION TO INCOME TAX

3 Units

Total Course Lecture Hours 54

Students will learn the principles of Federal and California taxation relating to individual income taxes with emphasis on preparation of personal tax returns. (CSU, AVC)

ACCT 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the student's educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

ACCT 201 FINANCIAL ACCOUNTING

4 Units

Total Course Lecture Hours 72

Advisory: *Completion of ENGL C1000 or ENGL C1000H and STAT C1000, STAT C1000H, MATH 116 or MATH 124.*

Students will learn how to process, report, and communicate financial information both in written and oral format. They will record and analyze financial statement data in manual and computerized systems. This course focuses both on the preparation of accounting information and the use of accounting information to make decisions. THIS IS A SOPHOMORE-LEVEL course intended primarily for business administration or economics majors. Students planning to transfer to a four-year university should wait to take this course until the second to the last semester prior to transferring. (C-ID: ACCT 110) (UC, CSU, AVC)

ACCT 205 MANAGERIAL ACCOUNTING

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of ACCT 201 within the past five years.*

Students will learn how to process, report, and communicate managerial accounting information both in written and oral format. They will be able to identify, explain, calculate, and use accounting information to make managerial decisions. BEFORE ENROLLING, students should have a basic knowledge of spreadsheets and know how to use word processing. This course is primarily targeted for transfer students. Business or economics majors should take this class the next term after successfully completing ACCT 201. (C-ID: ACCT 120) (UC, CSU, AVC)

Department Description

The Administration of Justice Program involves the study of the theory and practice of law enforcement, police work, the court, and corrections. Law enforcement, whether as a police officer, deputy sheriff, probation officer, or state traffic officer, offers a rewarding opportunity to serve society. Specialized officers such as game wardens, forest rangers, or criminal investigators make unique contributions throughout our country. They investigate crime, present cases in court, and render other services to the justice system and the people. The administration of justice courses provides the student with a broad base of knowledge, understanding, and proficiency in the general area.

Program Learning Outcomes

Administration of Justice AA & AS-T

1. Properly interpret industry standards related to an individual's rights against illegal searches and seizures, self-incrimination, legal representation, and due process of the law.
2. Analyze and evaluate crime scenes, identify unique criminal components, then properly collect, preserve, and document evidence.
3. Identify and apply the individual components of the criminal justice system to a newly arrested offender.

Community Modern Policing Cert (Noncredit)

1. AJ 901 - Examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population.
2. AJ 903 - Classifications for drugs, criminal codes, how drug cases are handled in the judicial system, drug use detection, and drug testing systems, and the effects on individuals and community.
3. AJ 909 - History and current functions of crime analysis, along with its changing roles and future applications of technology in crime prevention.
4. AJ 920 - Identifies ethics and leadership within the criminal justice system and its various public service organizations.
5. Level 1 - Select and apply strategies for health and wellness as they apply to preparation for Public Safety careers. Students will be able to demonstrate the basic physical fitness requirements for law enforcement officers.

Health and Fitness for First Responders Certificate & Certificate of Completion (Noncredit)

1. Level 1 - Select and apply strategies for health and wellness as they apply to preparation for Public Safety careers. Students will be able to demonstrate the basic physical fitness requirements for law enforcement officers.
2. Level 2 - Students will be able to demonstrate the basic physical fitness requirements for law enforcement officers and display marked personal improvement on PAT tests. Select and apply strategies for health and wellness promotion in preparation for Physical Ability Tests (PAT).
3. Level 3 - Students will be able to perform the basic physical fitness requirements for law enforcement officers and display marked personal improvement from previous PAT tests. Select and apply strategies for health and wellness promotion in preparation and for the successful completion of the Physical Ability Tests (PAT) to meet Federal, State, County and Local hiring standards.

Modern Policing AS

1. Prepare graduates to meet the requirements of the State of California mandated by Assembly Bill 89 to achieve the core competencies of state officials/law enforcement officers, as defined in CA Government Code 1031.4.
2. Understand the role of police in a democratic society in which all individuals are entitled to equal protection under the law and no individual is above the law regardless of their social, economic, or political station.
3. Level 1 - Select and apply strategies for health and wellness as they apply to preparation for Public Safety careers. Students will be able to demonstrate the basic physical fitness requirements for law enforcement officers.

Pathway to Law School, Pre-Law and Legal Careers

1. Prepares students for transfer into bachelor's degree programs and eventual law school admission.
2. Enhances students' competitiveness for internships, civic engagement projects, and law-related employment.

Certificate Program

Health and Fitness for First Responders Certificate

The program introduces and applies the principles of physical fitness and mental health for individuals preparing for careers in public safety, as well as those training for employment that requires a Physical Ability Test (PAT). This program is designed to enhance the overall fitness level of participants and introduce them to specific skills required to successfully complete physical agility tests for law enforcement, correctional agencies, and other employers that have entry-level fitness requirements. The emphasis is on improving both cardiovascular and anaerobic endurance plus muscle strength and endurance. Intense resistance training, anaerobic and cardiovascular workouts are utilized including concepts of wellness, mindfulness, injury prevention, and stress management. Participants progress through 3 levels of program instruction and training to earn a Certificate of Achievement.

Program Requirements

Health and Fitness for First Responders Certificate (Total 9)

Complete the following number of units: 9

AJ 111 - Beginning Health and Fitness for First Responders I	3
AJ 112 - Intermediate Health and Fitness for First Responders II	3
AJ 113 - Advanced Health and Fitness for First Responders III	3

Recommended Pathway

Term 1	**Units**
AJ 111 - Beginning Health and Fitness for First Responders I	3
	Total 3
Term 2	
AJ 112 - Intermediate Health and Fitness for First Responders II	3
	Total 3
Term 3	
AJ 113 - Advanced Health and Fitness for First Responders III	3
	Total 3
	Certificate Total 9

Certificate Programs (Noncredit)

Community Modern Policing Cert (Noncredit)

The Community Modern Policing Certificate program will prepare graduates to meet the recommended requirements to serve as Community Ambassadors and/or Civilian Volunteers within local law enforcement and city public safety departments. Changes in state law related to Assembly Bill 89 are related to the core competencies of state officials/law enforcement officers, as defined in CA Government Code 1031.4. This program will examine the core competencies of civilians serving within respective law enforcement agencies.

Program Requirements
Complete the following number of rules: 648

Required Courses (Total 648)	Hours
AJ 901 - Modern Policing in Society	162
AJ 903 - Narcotics Control in Modern Policing	162
AJ 909 - Crime Analysis	162
AJ 920 - Leadership and Ethics in Modern Policing	162

Recommended Pathway

Term 1	Hours
AJ 901 - Modern Policing in Society	162
	Total 162
Term 2	
AJ 903 - Narcotics Control in Modern Policing	162
	Total 162
Term 3	
AJ 909 - Crime Analysis	162
	Total 162
Term 4	
AJ 920 - Leadership and Ethics in Modern Policing	162
	Total 162
	Certificate Total 648

Health and Fitness for First Responders Certificate of Completion (Noncredit)

The program introduces and applies the principles of physical fitness and mental health for individuals preparing for careers in public safety, as well as those training for employment that requires a Physical Ability Test (PAT). This program is designed to enhance the overall fitness level of participants and introduce them to specific skills required to successfully complete physical agility tests for law enforcement, correctional agencies, and other employers that have entry-level fitness requirements. The emphasis is on improving both cardiovascular and anaerobic endurance plus muscle strength and endurance. Intense resistance training, anaerobic and cardiovascular workouts are utilized including concepts of wellness, mindfulness, injury prevention, and stress management. Participants progress through 3 levels of program instruction and training to earn a Certificate of Completion.

Program Requirements
Health and Fitness for First Responders Certificate of Completion (Noncredit) (Total 324)
Complete all of the following
Required Courses (324)
Complete all of the following

Required Course	Hours
AJ 911 - Beginning Health and Fitness for First Responders I	108
AJ 912 - Intermediate Health and Fitness for First Responders II	108
AJ 913 - Advanced Health and Fitness for First Responders III	108

Recommended Pathway

Term 1	Hours
AJ 911 - Beginning Health and Fitness for First Responders I	108
	Total 108
Term 2	
AJ 912 - Intermediate Health and Fitness for First Responders II	108
	Total 108
Term 3	
AJ 912 - Advanced Health and Fitness for First Responders III	108
	Total 108
	Certificate Total 324

Pathway to Law School, Pre-Law and Legal Careers Certificate

This certificate prepares students for transfer and law school admission through completion of the seven Cal LAW Pathway core courses plus an additional Criminology course tailored for the Antelope Valley College Law Scholars Program. Students develop a broad understanding of the U.S. legal system, criminological theory, civic engagement, critical thinking, effective communication, and statistical reasoning. Students must also complete a minimum of 20 hours of approved service credit in addition to the required coursework. Completion qualifies students for recognition as a Cal LAW Pathway Scholar and positions them for success in legal studies and related fields.

Program Requirements
Pathway to Law School, Pre-Law and Legal Careers Certificate (Total 26.5 - 29)
Complete all of the following

Required Courses (Total 3.5 - 6)	Units
Complete all of the following	
AJ 206 - Criminology	3
AJ 199 - Work Experience Education	0.5-3

Core Options (Total 3)	Units
Complete the following number of units: 3	
POLS 203 - The Judicial Process	3
AJ 201 - Modern Policing in Society	3
BUS 201 - Business Law	3
BUS 201H - Business Law Honors	3

ENGL C1000 Option (Total 4)
Complete the following number of units: 4

ENGL C1000 - Academic Reading and Writing	4
ENGL C1000H - Academic Reading and Writing - Honors	4

Critical Thinking Option (Total 3)
Complete the following number of units: 3

ENGL C1001 - Critical Thinking and Writing	4
ENGL C1001H - Critical Thinking and Writing - Honors	4
ENGL C1002 - Introduction to Literature	3
ENGL C1002H - Introduction to Literature - Honors	3
PHIL 201 - Critical Thinking	3

COMM Option (Total 3)
Complete the following number of units: 3

COMM C1000 - Introduction to Public Speaking	3
COMM C1000H - Introduction to Public Speaking - Honors	3
COMM 115 - Introduction to Argumentation and Debate	3
COMM 107 - Introduction to Interpersonal Communication	3

STAT Option (Total 4)
Complete the following number of units: 4

STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4
MATH 116 - Introduction to Statistics using R	4

HIST Option (Total 3)
Complete the following number of units: 3

HIST C1001 - United States History to 1877	3
HIST C1001H - United States History to 1877 - Honors	3
HIST C1002 - United States History to 1865	3
HIST C1002H - United States History to 1865 - Honors	3

POLS C1000 (Total 3)
Complete the following number of units: 3

POLS C1000 - American Government Politics	3
POLS C1000H - American Government Politics - Honors	3

Recommended Pathway

Term 1	**Units**
AJ 206 - Criminology	3
ENGL C1000 Option (see list)	4
STAT Option (see list)	4
POLS C1000 Option (see list)	3
	Total 14
Term 2	
Critical Thinking Option (see list)	3
HIST Option (see list)	3
Core Option (see list)	3
COMM Option (see list)	3
AJ 199 - Work Experience Education	0.5-3
	Total 12.5-15
	Certificate Total 26.5-29

Associate Degrees

Administration of Justice AA

The requirements for an associate degree in Administration of Justice may be satisfied by completing 12 units of required courses, selecting an additional 6 units from the restricted list of program electives, 21 units of general education requirements, and sufficient elective units to total 60 units. (See Graduation/ Associate Degree Requirements.)

Program Requirements
Administration of Justice AA (Total 18)
Complete all of the following

Required Courses (Total 12)	**Units**
Complete all of the following	
AJ 101- Introduction to Administration of Justice	3
AJ 102 - Criminal Law	3
AJ 103 - Criminal Evidence	3
AJ 205 - Criminal Investigation	3

Program Electives (Total 6)
Complete the following number of units: 6

AJ 104 - Introduction to Corrections	3
AJ 109 - Crime Analysis	3
AJ 110 - Terrorism Investigation	3
AJ 111 - Beginning Health and Fitness for First Responders I	3
AJ 112 - Intermediate Health and Fitness for First Responders II	3
AJ 113 - Advanced Health and Fitness for First Responders III	3
AJ 130 - Report Writing for Law Enforcement	3
AJ 199 - Work Experience Education	0.5-3
AJ 201 - Modern Policing in Society	3
AJ 203 - Narcotics Control	3
AJ 204 - Juvenile Procedures	3
AJ 206 - Criminology	3
AJ 207 - Probation and Parole	3
AJ 208 - Introduction to Forensic Science	3
AJ 220 - Leadership and Ethics in Modern Policing	3

Recommended Pathway

Term 1	**Units**
AJ 101 - Introduction to Administration of Justice	3
Program Electives (AJ 201)	3
Program Electives (AJ 203)	3
AVC GE Area 3	3
AVC GE Area 4	3
	Total 15
Term 2	
AJ 102 - Criminal Law	3
AVC GE Area 1A (ENGL C1000)	4
General Elective	2
AVC GE Area 2	3
AVC GE Area 6	3
	Total 15
Term 3	
AJ 103 - Criminal Evidence	3
General Elective	3
AVC GE Area 5	3
AVC GE Area 1B	3
General Elective	3
	Total 15
Term 4	
AJ 205 - Criminal Investigation	3
General Elective	3
General Elective	3
General Elective	3
General Elective	3
	Total 15
	Degree Total 60

Administration of Justice AS-T

The Associate in Science in Administration of Justice for Transfer (AS-T in Administration of Justice) degree involves the study of the theory and practice of law enforcement, police work, and court and corrections systems. Law enforcement, whether as a line police officer, deputy sheriff, marshal, or state traffic officer, offers a rewarding opportunity to serve society. Specialized officers such as game wardens, forest rangers, or criminal investigators make unique contributions throughout our state and nation. They investigate crime, present cases in court and render other service to the justice system and the people.

The Associate in Science in Administration of Justice for Transfer (AS-T in Administration of Justice) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn an Associate in Science in Administration of Justice for Transfer (AS-T in Administration of Justice) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Administration of Justice AS-T (Total 18)
Complete all of the following

Required Courses (Total 6)	**Units**
Complete all of the following	
AJ 101 - Introduction to Administration of Justice	3
AJ 102 - Criminal Law	3

Required Electives List A (Total 6)	
Complete the following number of units: 6	
AJ 103 - Criminal Evidence	3
AJ 104 - Introduction to Corrections	3
AJ 201 - Modern Policing in Society	3
AJ 204 - Juvenile Procedures	3
AJ 205 - Criminal Investigation	3
AJ 208 - Introduction to Forensic Science	3

Required Electives List B or any List A course not already used (Total 6)	
Complete the following number of units: 6	
AJ 109 - Crime Analysis	3
AJ 110 - Terrorism Investigation	3
AJ 203 - Narcotics Control	3
AJ 206 - Criminology	3
AJ 207 - Probation and Parole	3

CSU Recommended Pathway	
Term 1	**Units**
AJ 101 - Introduction to Administration of Justice	3
AVC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 4	3
Cal-GETC GE Area 3A	3
Cal-GETC GE Area 2	3
	Total 16
Term 2	
AJ 102 - Criminal Law	3
Cal-GETC GE Area 3B	3
Cal-GETC GE Area 5A	3
Cal-GETC GE Area 6	3
General Elective	2
	Total 14
Term 3	
Cal-GETC GE Area 5B	3
Required Electives List A	3
Cal-GETC GE Area 5C	1
Cal-GETC GE Area 1B	3
Required Electives List A	3
Required Electives List A	3
	Total 16
Term 4	
Cal-GETC GE Area 4	3
Cal-GETC GE Area 1C	3
Required Elective List B	3
General Elective	3
General Elective	2
	Total 14
	Degree Total 60

Modern Policing AS

Modern Policing AS Degree will prepare graduates to meet the requirements of the State of California mandated by Assembly Bill 89 to achieve the core competencies of state officials/ law enforcement officers, as defined in CA Government Code 1031.4. The Modern Policing AS Degree is foundational to and prepares students for a career as a Peace Officer, which shall be completed prior to obtaining a POST Basic Certificate or within 24 months of initial appointment as a Peace Officer. Focus on courses pertinent to law enforcement, which shall include, but not be limited to, psychology, communications, history, ethnic studies, law, and those determined to develop necessary critical thinking skills and emotional intelligence.

Program Requirements
Modern Policing AS (Total 47)
Complete all of the following

Required Courses (Total 24)	**Units**
Complete all of the following	
AJ 101- Introduction to Administration of Justice	3
AJ 102 - Criminal Law	3
AJ 201 - Modern Policing in Society	3
AJ 220 - Leadership and Ethics in Modern Policing	3
ART 103 - History of Art: Africa, Oceania and Indigenous North America	3
COMM 219 - Introduction to Intercultural Communication	3
ETHN 101 - Introduction to Ethnic Studies	3
PSY 230 - Social Psychology	3

Required Course - Choose one (Total 3)
Complete the following number of units: 3

AJ 103 - Criminal Evidence	3
AJ 204 - Juvenile Procedures	3
AJ 205 - Criminal Investigation	3

Required Course - Choose one (Total 4)
Complete the following number of units: 4

ENGL C1000 - Academic Reading and Writing	4
ENGL C1000H - Academic Reading and Writing - Honors	4

Required Course - Choose one (Total 3)
Complete the following number of units: 3

ENGL C1001 - Critical Thinking and Writing	3
ENGL C1001H - Critical Thinking and Writing - Honors	3

Required Course - Choose one (Total 3)
Complete the following number of units: 3

COMM C1000 - Introduction to Public Speaking	3
COMM C1000H - Introduction to Public Speaking - Honors	3

Required Course - Choose one (Total 4)
Complete the following number of units: 4

STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4

Required Course - Choose one (Total 3)
Complete the following number of units: 3

PHIL 105 - Ethics: Moral Issues in Contemporary Society	3
PHIL 105H - Ethics: Moral Issues in Society Honors	3

Required Course - Choose one (Total 3)
Complete the following number of units: 3

AJ 206 - Criminology	3
CFE 103 - The Child in Family and Community Relationship	3

Recommended Pathway

Term 1	**Units**
AJ 101 - Introduction to Administration of Justice	3
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 2 (STAT C1000)	4
General Elective	3
General Elective	1
	Total 15
Term 2	
AJ 102 - Criminal Law	3
AJ 201 - Modern Policing in Society	3
AVC GE Area 1B (COMM C1000)	3
AVC GE Area 4	3
AVC GE Area 3 (ART 103)	3
	Total 15
Term 3	
AJ 206 - Criminology	3
PHIL 105 ***OR*** PHIL 105H	3
PSY 230 - Social Psychology	3
AJ 103 - Criminal Evidence	3
ENGL C1001 ***OR*** ENGL C1001H	3
	Total 15
Term 4	
AJ 220 - Leadership and Ethics in Modern Policing	3
COMM 219 - Introduction to Intercultural Communication	3
ETHN 101 - Introduction to Ethnic Studies	3
AVC GE Area 5	3
AVC GE Area 6	3
	Total 15
	Degree Total 60

Administration of Justice Courses

AJ 101 INTRODUCTION TO ADMINISTRATION OF JUSTICE

3 Units

Total Course Lecture Hours 54

This course introduces students to the characteristics of the criminal justice system in the United Sates. Focus is placed on examining crime measurement, theoretical explanations of crime, responses to crime, components of the system, and current challenges to the system. The course examines the evolution of the principles and approaches utilized by the justice system and the evolving forces which have shaped those principles and approaches. Although justice structure and process is examined in a cross-cultural context, emphasis is placed on the US justice system, particularly the structure and function of US police, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process and sentencing, and incarceration policies. (C-ID: AJ 110) (UC, CSU, AVC)

AJ 102 CRIMINAL LAW

3 Units

Total Course Lecture Hours 54

An examination of criminal law, both substantive and procedural, as found in the various California State Codes and as interpreted by our courts. The course will cover the origin and development of law, including English Common Law, the U.S. and California Constitutions, California State statutes and Appellate Court decisions. The distinction between torts and crimes, felonies and misdemeanors, and venue and jurisdiction will be examined. Crimes against persons and property and crimes popularly deemed to be victimless will be discussed. (C-ID: AJ 120) (UC, CSU, AVC)

AJ 103 CRIMINAL EVIDENCE

3 Units

Total Course Lecture Hours 54

This course presents the origin, development, philosophy, and legal basis of evidence; types and ways of presenting evidence; judicial decisions and statutory rules of evidence governing the admissibility of testimony, writings, and material objects at motions and trial; constitutional and procedural considerations affecting searches and seizures and admissions and confessions. (C-ID: AJ 124) (UC, CSU, AVC)

AJ 104 INTRODUCTION TO CORRECTIONS

3 Units

Total Course Lecture Hours 54

This course is designed to help the student develop an understanding of the concepts of criminal parole, probation and the corrections system. Students will examine these areas of criminal justice from a historical, theoretical, and practical viewpoints, to understand how these different types of convicted offender supervisions overlap. Students will also study the political and economic ramifications of juvenile delinquents and their rights of Due Process. This will be discussed along with the special problems these offenders pose, including the issues of public safety and juvenile parole. (C-ID: AJ 200) (CSU, AVC)

AJ 109 CRIME ANALYSIS

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of AJ 101*

An introduction to the field of crime analysis and its role in law enforcement, crime prevention and public safety. Topics will include the history and current functions of crime analysis, along with its changing roles and future applications. Students will explore each of the major types of crime analysis: administrative, strategic, tactical, and investigative. This class is intended for those students who wish to work in a nontraditional role in law enforcement and for sworn personnel who want to have a better understanding how crime analysis can optimize their law enforcement efforts. (CSU, AVC)

AJ 110 TERRORISM INVESTIGATION

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of AJ 101.*

This course will examine the phenomenon known as terrorism. A historical perspective will trace its origin from at least the first century through the present times. This course will study the ideologies and philosophies of terrorist groups on both an international as well as national scale. Identification of terrorist groups as well as terrorist tactics will be examined. Emphasis will be on exploring the law enforcement/intelligence methods used to prevent and respond to terrorist-related crimes. (CSU, AVC)

AJ 111 BEGINNING HEALTH AND FITNESS FOR FIRST RESPONDERS I

3 Units

Total Course Lecture Hours 27

Total Course Lab Hours 81

Introduces the principles of physical fitness and mental health for students preparing for careers in public safety, as well as those training for employment that requires a Physical Ability Test (PAT). This course is designed to enhance the overall fitness level of Administration of Justice Students and introduce them to specific skills required to successfully complete physical agility tests for law enforcement and correctional agencies. The emphasis is on improving both cardiovascular and anaerobic endurance plus muscle strength and endurance. Intense resistance training, anaerobic and cardiovascular workouts are utilized including concepts of wellness, mindfulness, injury prevention, and stress management. Non-Administration of Justice students are also welcome. (CSU, AVC)

AJ 112 INTERMEDIATE HEALTH AND FITNESS FOR FIRST RESPONDERS II

3 Units

Total Course Lecture Hours 27

Total Course Lab Hours 81

Applies the principles of physical fitness and mental health for students preparing for careers in public safety, as well as those training for employment that requires a Physical Ability Test (PAT). This course is designed to continue enhancing the overall fitness level of Administration of Justice Students. It assists them in applying the specific skills and principles required to successfully complete physical agility tests for law enforcement and correctional agencies. The emphasis is on continuous improvement of both cardiovascular and anaerobic endurance, muscle strength, and endurance. Intense resistance training with anaerobic and cardiovascular workouts are utilized including concepts of wellness, mindfulness, injury prevention, and stress management. Non-Administration of Justice students are also welcome. (CSU, AVC)

AJ 113 ADVANCED HEALTH AND FITNESS FOR FIRST RESPONDERS III

3 Units

Total Course Lecture Hours 27

Total Course Lab Hours 81

Direct application of the principles of physical fitness, mental health, and wellness for students to be prepared for careers in public safety, as well as those being assessed by employers that require a Physical Ability Test (PAT). This course is designed to help Administration of Justice Students achieve the overall fitness level expected at the time of employment. The course assists them in applying and maintaining the specific skills and principles required to successfully complete physical agility tests for law enforcement and correctional agencies as well as lifelong fitness goals. The emphasis is on continuous improvement of both cardiovascular and anaerobic endurance plus muscle strength and endurance as well as specific PAT assessments. Intense resistance training, anaerobic and cardiovascular workouts are utilized including concepts of wellness, mindfulness, injury prevention, and stress management. Non-Administration of Justice students are also welcome. (CSU, AVC)

AJ 130 REPORT WRITING FOR LAW ENFORCEMENT

3 Units

Total Course Lab Hours 54

This course provides students with the foundational and essential written communication skills required in modern policing, with a focus on clarity, accuracy, and legal relevance. Emphasis is placed on grammar, sentence structure, and report organization, as well as distinguishing between facts, inferences, and opinions. Students will learn to create accurate and professional crime reports, arrest reports, and search warrants, incorporating key legal elements such as probable cause and Miranda warnings. The course explores writing techniques relevant to law enforcement, including the use of active versus passive voice and first- versus third-person narratives. Students will compare field notes, memos, and formal reports while examining the role of technology—such as Mobile Data Terminals (MDTs) and standalone PCs—in report writing. Practical exercises will reinforce the development of clear, concise, and legally sound documentation used in today's criminal justice system. (CSU, AVC)

AJ 199 WORK EXPERIENCE EDUCATION

0.5–3 Units

Total Course Lab Hours 27–162

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have the approval of a work supervisor and the instructor supervising the work experience in the specific subject area.* ***PRIOR TO ENROLLING:*** *Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students with a realistic learning experience through work. The ultimate goal is to teach students those skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning at an on-the-job learning station related to the student's educational major or occupational goal. Credit may be accrued at the rate of half a unit to three units per semester. Students may earn up to a total of fourteen (14) semester credit hours. (CSU, AVC) (R3)

AJ 201 MODERN POLICING IN SOCIETY

3 Units

Total Course Lecture Hours 54

This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics may include the consensus and conflicting values in Cultural, Religion, and Law. (C-ID: AJ 160) (UC, CSU, AVC)

AJ 203 NARCOTICS CONTROL

3 Units

Total Course Lecture Hours 54

History and impact of drugs on society, law enforcement, the courts, corrections, and treatment programs. Students will learn legal classifications for drugs, criminal codes, how drug cases are handled in the judicial system, drug use detection, and drug testing systems. (CSU, AVC)

AJ 204 JUVENILE PROCEDURES

3 Units

Total Course Lecture Hours 54

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 focuses on Juvenile Law, courts and processes, and the constitutional protections extended to juveniles administered in the American Justice System. (C-ID: AJ 220) (UC, CSU, AVC)

AJ 205 CRIMINAL INVESTIGATION

3 Units

Total Course Lecture Hours 54

This course is designed to give the student an understanding of the field of criminal investigation. Emphasis will be placed on basic criminal investigative techniques and areas of importance to working police officers in their regular duties. The study of identifying and collecting evidence, development of informants, interview and interrogation techniques, courtroom testimony, and the utilization of scientific laboratory analysis will be covered. In this course, those mistakes made by officers during criminal investigations, which sometimes lead to criminal trial dismissals, will be examined. Insight into the rules of evidence, basic criminal law and the tactics used in criminal prosecutions will also be discussed. (C-ID: AJ 140) (UC, CSU, AVC)

AJ 206 CRIMINOLOGY

3 Units

Total Course Lecture Hours 54

This course is designed to help the student develop an understanding of the nature, organization and consequences of the American criminal justice system. Topics explored include the myths and realities about crime and criminal behavior, definitions of crime and its measurement, and the varieties of criminal behavior. Criminological theories of criminal activity are examined and an effort is made to find relevance and meaning of these theoretical constructs with the actual patterns of criminality. The prison system is examined, including problems of overcrowding and the use of criminal rehabilitation. The role of law enforcement is also explored. Lastly, an examination and evaluation of the changing nature of criminal patterns in America is made with an attempt to ascertain the meaning and implications of these changes for the future of American society. (C-ID: SOCI 160) (UC, CSU, AVC)

AJ 207 PROBATION AND PAROLE
3 Units
Total Course Lecture Hours 54
This course is designed to help the student develop an understanding of the concepts of criminal parole and probation. Students will examine this area of criminal justice from a historical, theoretical, and practical viewpoint, to understand how these different types of convicted offender supervisions overlap. Students will also study the political and economic ramifications of juvenile delinquents and their rights of Due Process. This will be discussed along with the special problems these offenders pose, including the issues of public safety and juvenile parole. (CSU, AVC)

AJ 208 INTRODUCTION TO FORENSIC SCIENCE
3 Units
Total Course Lecture Hours 54
An introduction to the field of Forensic Science and the integrated role it plays in the detection and conviction of criminal suspects. Topics will include the protection and investigation of crime scenes; the collection analysis, and storage of evidence; and courtroom testimony. Students will explore the different techniques used to identify criminal suspects from the circumstances and facts found at a crime's location. This class is intended for those students who wish to work in a non-traditional role in law enforcement and for those students who wish to have a broader perspective of the criminal investigative process. (C-ID: AJ 150) (UC, CSU, AVC)

AJ 220 LEADERSHIP AND ETHICS IN MODERN POLICING
3 Units
Total Course Lecture Hours 54
This course is an in-depth analysis of ethics and leadership within the criminal justice system and its various public service organizations. Topics include the history, philosophy, theories, and evolution of leadership, ethics, and professional standards and their impact on employees and the individuals and communities they serve. The critical importance of decision-making and discretion within the criminal justice system and the interplay of values, ethics, morals, and professional standards is emphasized. This course examines the theories of leadership within various institutions, the supervision and leadership interconnections with ethics and professional standards within organizations, the practical aspects of leadership and the reality of obstacles and challenges faced by employees, and the legal and civil ramifications of leadership and professional conduct and standards within criminal justice and public organizations. The course also investigates recent negative national trends and aberrational incidents in criminal justice agencies and studies the future of these organizations. (CSU, AVC)

Administration of Justice Non Credit Courses

AJ 901 MODERN POLICING IN SOCIETY
0 Units
Total Course Lecture Hours 54
This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics may include the consensus and conflicting values in Cultural, Religion, and Law. (R unlimited)

AJ 903 NARCOTICS CONTROL IN MODERN POLICING
0 Units
Total Course Lecture Hours 54
History and impact of drugs on society, law enforcement, the courts, corrections, and treatment programs. Students will learn legal classifications for drugs, criminal codes, how drug cases are handled in the judicial system, drug use detection, and drug testing systems. (R unlimited)

AJ 909 CRIME ANALYSIS
0 Units
Total Course Lecture Hours 54
An introduction to the field of crime analysis and its role in law enforcement, crime prevention, and public safety. Topics will include the history and current functions of crime analysis, along with its changing roles and future applications. Students will explore each of the major types of crime analysis: administrative, strategic, tactical, and investigative. This class is intended for those students who wish to work in a nontraditional role in law enforcement and for sworn personnel who want to have a better understanding of how crime analysis can optimize their law enforcement efforts. (R unlimited)

AJ 911 BEGINNING HEALTH AND FITNESS FOR FIRST RESPONDERS I
0 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Introduces the principles of physical fitness and mental health for students preparing for careers in public safety, as well as those training for employment that requires a Physical Ability Test (PAT). This course is designed to enhance the overall fitness level of the Administration of Justice Student and introduce them to specific skills required to successfully complete physical agility tests for law enforcement and correctional agencies. The emphasis is on improving both cardiovascular and anaerobic endurance plus muscle strength and endurance. Intense resistance training, anaerobic and cardiovascular workouts are utilized. Non-Administration of Justice students are also welcome. (R unlimited)

AJ 912 INTERMEDIATE HEALTH AND FITNESS FOR FIRST RESPONDERS II

0 Units

Total Course Lecture Hours 27

Total Course Lab Hours 81

Applies the principles of physical fitness and mental health for students preparing for careers in public safety, as well as those training for employment that requires a Physical Ability Test (PAT). This course is designed to continue the enhancement of the overall fitness level of Administration of Justice Students and assists them in applying the specific skills and principles required to successfully complete physical agility tests for law enforcement and correctional agencies. The emphasis is on continuous improvement of both cardiovascular and anaerobic endurance plus muscle strength and endurance. Intense resistance training, anaerobic and cardiovascular workouts are utilized. Non-Administration of Justice students are also welcome. (R unlimited)

AJ 913 ADVANCED HEALTH AND FITNESS FOR FIRST RESPONDERS III

0 Units

Total Course Lecture Hours 27

Total Course Lab Hours 81

Direct application of the principles of physical fitness, mental health, and wellness for students to be prepared for careers in public safety, as well as those being assessed by employers that require a Physical Ability Test (PAT). This course is designed to help Administration of Justice Students achieve the overall fitness level expected at the time of employment. The course assists them in applying and maintaining the specific skills and principles required to successfully complete physical agility tests for law enforcement and correctional agencies as well as lifelong fitness goals. The emphasis is on continuous improvement of both cardiovascular and anaerobic endurance plus muscle strength and endurance as well as specific PAT assessments. Intense resistance training, anaerobic and cardiovascular workouts are utilized including mindfulness and self care. Non-Administration of Justice students are also welcome. (R unlimited)

AJ 920 LEADERSHIP AND ETHICS IN MODERN POLICING

0 Units

Total Course Lecture Hours 54

This course is an in-depth analysis of ethics and leadership within the criminal justice system and its various public service organizations. Topics include the history, philosophy, theories, and evolution of leadership, ethics, and professional standards and their impact on employees and the individuals and communities they serve. The critical importance of decision-making and discretion within the criminal justice system and the interplay of values, ethics, morals, and professional standards is emphasized. This course examines the theories of leadership within various institutions, the supervision and leadership interconnections with ethics and professional standards within organizations, the practical aspects of leadership and the reality of obstacles and challenges faced by employees, and the legal and civil ramifications of leadership and professional conduct and standards within criminal justice and public organizations. The course also investigates recent negative national trends and aberrational incidents in criminal justice agencies and studies the future of these organizations. (R unlimited)

Department Description

The certificate program in Advanced Manufacturing includes coursework to help prepare students for CAD and CAM use in industry. Students who complete this program will have the necessary skill set to be employed by industry and in a variety of positions. Current engineers/engineering students will find the program helpful for advanced skill building. Technicians will use this program to strengthen their skill set and technical communications skills.

Program Learning Outcomes

Computer Aided Drafting and Manufacturing

1. Upon successfully completing the program, graduates will be able to: Design parts, drawings, and assemblies for the intent of manufacturing and assembly.

Computer Aided Drafting in CATIA/3DExperience

1. Proficient use 3D CAD software to produce various technical solid models.

Computer Aided Drafting in Solidworks

1. Proficient use CAM software to produce machine code for various technical solid models.

Computer Aided Manufacturing

1. Proficient use CAM software to produce machine code for various technical solid models.

Associate Degree

Associate Degree not available.

Locally Approved Certificates

Computer Aided Drafting in CATIA/3DExperience Certificate

The certificate program includes coursework to help prepare students for CAD use in the aerospace industry. Students who complete this program will have the necessary skills to be employed by industry and in a variety of positions. Current engineers will find the program helpful for skill building. Technicians will use this program to strengthen their skill set and technical communication skills.

Program Requirements

Computer Aided Drafting in CATIA/3DExperience (Total 6)

Complete all of the following	Units
AM 135A - 3D Solid Modeling I using CATIA/3DExperience	3
AM 235A - 3D Solid Modeling II using CATIA/3DExperience	3

Recommended Pathway

Term 1	Units
AM 135A - 3D Solid Modeling I using CATIA/3DExperience	3
	Total 3
Term 2	
AM 235A - 3D Solid Modeling I using CATIA/3DExperience	3
	Total 3
	Certificate Total 6

Computer Aided Drafting in Solidworks Cert

The certificate program includes coursework to help prepare students for CAD use in industry. Students who complete this program will have the necessary skills to be employed by industry and in a variety of positions. Current engineers will find the program helpful for skill building. Technicians will use this program to strengthen their skill set and technical communication skills.

Program Requirements

Computer Aided Drafting in Solidworks (Total 6)

Complete the following number of units: 6	Units
AM 135B - 3D Solid Modeling I using Solidworks	3
AM 235B - 3D Solid Modeling II using Solidworks	3

Recommended Pathway

Term 1	Units
AM 135B - 3D Solid Modeling I using Solidworks	3
	Total 3
Term 2	
AM 235B - 3D Solid Modeling II using Solidworks	3
	Total 3
	Certificate Total 6

Computer Aided Manufacturing Cert

The certificate program includes coursework to help prepare students for CAM use in the industry. Students who complete this program will have the necessary skills to be employed by industry and in a variety of positions. Current engineers will find the program helpful for developing design intent. Technicians will use this program to become a proficient CAM technician to couple with CNC machines.

Program Requirements

Computer Aided Manufacturing (Total 6)

Complete all of the following	Units
AM 145 - Introduction to CAM I	3
AM 245 - Introduction to CAM II	3

Recommended Pathway

Term 1	Units
AM 145 - Introduction to CAM I	3
	Total 3
Term 2	
AM 245 - Introduction to CAM II	3
	Total 3
	Certificate Total 6

Certificate Program

Computer Aided Drafting and Manufacturing Cert

The certificate program includes coursework to help prepare students for CAD and CAM use in industry. Students who complete this program will have the necessary skill set to be employed by industry and in a variety of positions. Current engineers will find the program helpful for advanced skill building. Technicians will use this program to strengthen their skill set and technical communications skills.

Program Requirements

Computer Aided Drafting and Manufacturing (Total 24)

Complete all of the following	Units
AM 100 - Geometric Dimensioning and Tolerancing (GD&T)	3
AM 105 - Introduction to 2D CAD	3
AM 135A - 3D Solid Modeling I using CATIA/3DExperience	3
AM 135B - 3D Solid Modeling I using Solidworks	3
AM 235A - 3D Solid Modeling II using CATIA/3DExperience	3
AM 235B - 3D Solid Modeling II using Solidworks	3
AM 245 - Introduction to CAM II	3
AM 145 - Introduction to CAM I	3

Recommended Pathway	
Term 1	**Units**
AM 100 - Geometric Dimensioning and Tolerancing (GD&T)	3
AM 105 - Introduction to 2D CAD	3
	Total 6
Term 2	
AM 135A - 3D Solid Modeling I using CATIA/3DExperience	3
AM 135B - 3D Solid Modeling I using Solidworks	3
	Total 6
Term 3	
AM 235A - 3D Solid Modeling II using CATIA/3DExperience	3
AM 235B - 3D Solid Modeling II using Solidworks	3
	Total 6
Term 4	
AM 245 - Introduction to CAM II	3
AM 145 - Introduction to CAM I	3
	Total 6
	Certificate Total 24

Advanced Manufacturing Courses

AM 100 GEOMETRIC DIMENSIONING AND TOLERANCING (GD&T)

3 Units
Total Course Lecture Hours 54
This course covers the application and interpretation of Geometric Dimensioning and Tolerancing (GD&T) as prescribed by the American Society of Mechanical Engineers, ASME Y14.5 2009 standard. GD&T is a technical language used for mechanical engineering drawings composed of symbols that are used to communicate geometry requirements for associated features on components and assemblies. (AVC)

AM 105 INTRODUCTION TO 2D CAD

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Intermediate computer skills are recommended.*
This course explores the use of a 2D CAD environment. 2D CAD is the fundamental basis for advanced CAD programs. Students will learn how to use sketching tools, dimensioning, and drawing layouts in preparation for 3D CAD programs. (UC, CSU, AVC)

AM 135A 3D SOLID MODELING I USING CATIA/3DEXPERIENCE

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Intermediate computer skills are recommended.*
The course explores the use of a 3D CAD environment. Students will learn how to design solid models. Topics include the development of visualization skills; orthographic projections; mechanical dimensioning and tolerancing practices; and design process. (UC, CSU, AVC)

AM 135B 3D SOLID MODELING I USING SOLIDWORKS

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Intermediate computer skills are recommended.*
The course explores the use of a 3D CAD environment. Students will learn how to design solid models. Topics include the development of visualization skills; orthographic projections; mechanical dimensioning and tolerancing practices; and design process. (UC, CSU, AVC)

AM 145 INTRODUCTION TO CAM I

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Prior knowledge of 3D CAD as well as intermediate computer skills are recommended.*
This course explores the basic use of a CAM environment. Students will learn how to setup basic toolpaths for solid models. Topics include basic tool choices, toolpath choices, G-code. (AVC)

AM 235A 3D SOLID MODELING II USING CATIA/3DEXPERIENCE

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Intermediate computer skills are recommended.*
Prerequisite: *Completion of AM 135A.*
This is a secondary course that explores the intermediate use of 3D CAD software. Topics such as parametric modeling, surfaces, and designing with intent will be covered. (UC, CSU, AVC)

AM 235B 3D SOLID MODELING II USING SOLIDWORKS

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Intermediate computer skills are recommended.*
Prerequisite: *Completion of AM 135B or Completion of ENGR 140.*
This is a secondary course that explores the intermediate use of 3D CAD software. Topics such as parametric modeling, surfaces, and designing with intent will be covered. (UC, CSU, AVC)

AM 245 INTRODUCTION TO CAM II

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Prior knowledge of 3D CAD as well as intermediate computer skills are recommended.*
Prerequisite: *Completion of AM 145.*
This course explores a more in depth use of a CAM environment. Students will learn how to setup 3D toolpaths for solid models. Topics include advanced tool choices, toolpath choices, G-code. (AVC)

Department Description

This program is designed to prepare students for careers in the Aeronautical and Aviation industry. The certificate and associate degree programs include course work to help students prepare for the Airframe and Powerplant (A&P) license exams. Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Career Opportunities & Licensure

Students seeking full FAA Airframe and Powerplant (A&P) licensure must complete all major coursework within the Aeronautical & Aviation Technology (AERO) program. Completion of these certificate requirements prepares students for entry-level roles consistent with FAA requirements and employer qualifications, including:

Airframe: Maintenance, inspection, and repair support.
AERO 230 - Aircraft Airframe I - 15 units
AERO 231 - Aircraft Airframe II - 15 units

Powerplant: Powerplant mechanics, engine inspection, and technician roles.
AERO 240 - Aircraft Powerplant I - 15 units
AERO 241- Aircraft Powerplant II - 15 units

General: Service operations, inspection support, and related maintenance occupations.
AERO 120 - Aircraft General I - 7.5 units
AERO 121 - Aircraft General II - 7.5 units
Program Electives - 3 to 8 units

Program Learning Outcomes

Aircraft Airframe Cert & AS/
Aircraft Powerplant Cert & AS/
General Aircraft Maintenance Cert & AS

1. Analyze and evaluate critical aspects of the aerospace industry related to safe work practices, standards and tolerances, standard shop practices, proper use of tools, power equipment, and personal protective equipment.
2. Analyze, evaluate, troubleshoot, and repair structural, propulsion, electrical, and guidance systems to meet air worthy standards.
3. Evaluate and apply Federal Aviation Regulations, technical maintenance data, and acceptable industry standards pertinent to proper maintenance and safety standards.

Certificate Programs

Aircraft Airframe Cert

This program provides in-depth understanding and principles along with "hands-on" experience to aircraft airframe structures. It entails the following subjects: sheet metal structures, wood structures, dope and fabric, aircraft airframe inspection, assembly and rigging, hydraulic and pneumatic systems, aircraft electrical systems, cabin atmosphere controls, fuel systems, ice and rain systems, fire protection systems, instrument systems, position and warning systems, landing gear systems, and navigation and communication systems. Depending on the individuals' aircraft experience and previous licenses, some individuals will have to qualify for the General Aircraft Maintenance certificate in order to receive the FAA Aircraft Airframe Certificate of completion. Contact instructor for further information.

Students who successfully complete the certificate requirements may apply for entry-level positions in aircraft airframe maintenance, aircraft inspection, aircraft repair support, and aviation maintenance operations, consistent with applicable FAA requirements and employer qualifications.

Program Requirements
Aircraft Airframe Cert (Total 30)

Complete all of the following	**Units**
AERO 230 - Aircraft Airframe I	15
AERO 231 - Aircraft Airframe II	15

Recommended Pathway

Term 1	**Units**
AERO 230 - Aircraft Airframe I	15
	Total 15
Term 2	
AERO 231 - Aircraft Airframe II	15
	Total 15
	Certificate Total 30

Aircraft Powerplant Cert

This program provides an in-depth understanding, "hands-on" experience and principles in powerplant operation. This course entails the following subjects: reciprocating engines, turbines, lubrication systems, engine fuel systems, fuel metering systems, induction systems, ignition systems, engine electrical systems, engine cooling systems, engine exhaust system, engine instrument systems, engine fire protection systems and propellers. Depending on the individuals' aircraft experience and previous licenses, some individuals will have to qualify for the General Aircraft Maintenance certificate in order to receive the FAA Aircraft Powerplant Certificate of completion. Contact instructor for further information.
Students who successfully complete the certificate requirements may apply for entry-level positions as aircraft powerplant mechanics, aviation maintenance technicians, aircraft engine inspectors, or aviation maintenance support personnel, consistent with applicable FAA requirements and employer qualifications.

Program Requirements
Aircraft Powerplant Cert (Total 30)

Complete all of the following	**Units**
AERO 240 - Aircraft Powerplant I	15
AERO 241- Aircraft Powerplant II	15

Recommended Pathway

Term 1	**Units**
AERO 240 - Aircraft Powerplant I	15
	Total 15
Term 2	
AERO 241 - Aircraft Powerplant II	15
	Total 15
	Certificate Total 30

General Aircraft Maintenance Cert

This program provides the basic understanding and principles of basic electricity, basic physics, math, fluid lines and fittings, materials and processes, cleaning and corrosion control, maintenance publications, mechanics privileges and limitations, maintenance forms and records, weight and balance, ground handling and aircraft drawings.

Students who successfully complete the certificate requirements may apply for entry-level positions in aircraft maintenance support, aircraft service operations, aviation inspection support, and related aviation maintenance occupations, consistent with applicable FAA requirements and employer qualifications.

Program Requirements
Gen Aircraft Maint Cert (Total 18 - 23)

Complete all of the following	**Units**
Required Courses (Total 15)	
AERO 120 - Aircraft General I	7.5
AERO 121 - Aircraft General II	7.5
Program Electives (Total 3 - 8)	
Complete the following number of units: 3-8	
AFAB 110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation	3
AFAB 115 - Aircraft Structures	8
AFAB 120 - Composites Fabrication and Repair	7
AFAB 130 - Aerospace Ethics and Issues	4
AFAB 210 - Aircraft Production Systems	4
ELTE 252 - Introduction to Avionics	3
ELTE 254 - Radio Telephone License	3

Recommended Pathway

Term 1	**Units**
AERO 120 - Aircraft General I	7.5
	Total 7.5
Term 2	
AERO 121 - Aircraft General II	7.5
Program Electives (see list)	3-8
	Total 10.5-15.5
	Certificate Total 18-23

Associate Degrees

Aircraft Airframe AS

Students who complete the associate degree have enhanced employability in the field of aviation maintenance. They have enhanced promotional opportunities into supervisory and management positions as they gain experience with various agencies. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Aircraft Airframe AS (Total 30)

Complete all of the following	**Units**
AERO 230 - Aircraft Airframe I	15
AERO 231 - Aircraft Airframe II	15

Recommended Pathway

Term 1	**Units**
AERO 230 - Aircraft Airframe I	15
	Total 15
Term 2	
AERO 231 - Aircraft Airframe II	15
	Total 15
Term 3	
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 1B	3
AVC GE Area 2 (MATH 103)	4
AVC GE Area 3	3
General Elective	1
	Total 15
Term 4	
AVC GE Area 4	3
AVC GE Area 5	3
General Elective	3
General Elective	3
AVC GE Area 6	3
	Total 15
	Degree Total 60

Aircraft Powerplant AS

The requirements for an associate degree in Aircraft Powerplant maintenance may be satisfied by completing 30 units of required courses, 21 units of general education requirements, and sufficient elective credits to total 60 units.(See Graduation/ Associate Degree Requirements.)
Students who complete the associate degree have enhanced employability in the field of aviation maintenance. They have enhanced promotional opportunities into supervisory and management positions as they gain experience with various agencies. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Aircraft Powerplant AS (Total 30)

Complete all of the following	**Units**
AERO 240 - Aircraft Powerplant I	15
AERO 241 - Aircraft Powerplant II	15

Recommended Pathway

Term 1	**Units**
AERO 240 - Aircraft Powerplant I	15
	Total 15
Term 2	
AERO 241 - Aircraft Powerplant II	15
	Total 15
Term 3	
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 1B	3
AVC GE Area 2 (MATH 103)	4
AVC GE Area 3	3
General Elective	1
	Total 15
Term 4	
AVC GE Area 4	3
AVC GE Area 5	3
AVC GE Area 6	3
General Elective	3
General Elective	3
	Total 15
	Degree Total 60

General Aircraft Maintenance AS

The requirements for an associate degree in General Aircraft Maintenance may be satisfied by completing 15 units of required courses, selecting an additional 3 units from the restricted list of program electives, 21 units of general education requirements, and sufficient elective credits to total 60 units. (See Graduation/ Associate Degree Requirements.)

Students who complete the associate degree have enhanced employ ability in the field of aviation maintenance. They have enhanced promotional opportunities into supervisory and management positions as they gain experience with various agencies. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively. Except in cases of a prerequisite requirement, it is not required to take courses in exactly this sequence; they are recommended in this order to facilitate success.

General Aircraft Maintenance AS (18 - 23)
Complete all of the following

Required Courses (Total 15)	**Units**
Complete all of the following	
AERO 120 - Aircraft General I	7.5
AERO 121 - Aircraft General II	7.5

Required Electives (3 - 8)	
Complete the following number of units: 3-8	
AFAB 110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation	3
AFAB 115 - Aircraft Structures	8
AFAB 120 - Composites Fabrication and Repair	7
AFAB 130 - Aerospace Ethics and Issues	4
AFAB 210 - Aircraft Production Systems	4
ELTE 252 - Introduction to Avionics	3
ELTE 254 - Radio Telephone License	3

Recommended Pathway

Term 1 - Summer	**Units**
AERO 120 - Aircraft General I	7.5
	Total 7.5
Term 2 - Fall	
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 1B	3
AVC GE Area 2 (MATH 103)	4
AVC GE Area 3	3
General Elective	1
	Total 15
Term 3 - Spring	
AVC GE Area 4	3
AVC GE Area 5	3
General Elective	3
General Elective	3
General Elective	3
	Total 15
Term 4 - Summer	
AERO 121 - Aircraft General II	7.5
	Total 7.5
Term 5 - Fall	
AVC GE Area 6	3
Required Electives (AFAB 130)	4
General Elective	3
General Elective	3
General Elective	2
	Total 15
	Degree Total 60

Airframe and Powerplant Courses

AERO 120 AIRCRAFT GENERAL I

7.5 Units
Total Course Lecture Hours 90
Total Course Lab Hours 135

Fundamental concepts of aircraft maintenance. Topics include aircraft mathematics, basic electricity, fluid lines and fittings, materials, and processes. Intended for students who wish to attain FAA General Mechanic Certificate. (AVC)

AERO 121 AIRCRAFT GENERAL II

7.5 Units
Total Course Lecture Hours 90
Total Course Lab Hours 135

Provides training in the processes involving cleaning and corrosion control, maintenance publications, mechanics privileges/limitations, maintenance forms and records, ground operation, weight and balance, and aircraft drawings. The student will meet qualifying standards for the FAA comprehensive testing leading to a General Mechanic Certificate. (AVC)

AERO 199 WORK EXPERIENCE EDUCATION

1–8 Units
Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

AERO 230 AIRCRAFT AIRFRAME I
15 Units
Total Course Lecture Hours 180
Total Course Lab Hours 270
The course will train and inform students to become familiar with the techniques and operations involved with aircraft wood structures, finishes, covering, sheet metal and non-metallic structures, welding, assembly and rigging, aircraft inspection, and aircraft fuel systems. Students will meet qualifying standards for the FAA comprehensive testing leading to an Airframe Mechanic Certificate. (AVC)

AERO 231 AIRCRAFT AIRFRAME II
15 Units
Total Course Lecture Hours 180
Total Course Lab Hours 270
Prerequisite: *Completion of AERO 230.*
Inform and train students to become familiar with the techniques and operations involved with aircraft instruments, communication and navigation, position and warning, cabin atmosphere, ice and rain, fire protection, aircraft electrical, hydraulic and pneumatic, and landing gear systems. Students will meet qualifying standards for the FAA comprehensive testing leading to an Airframe Mechanic Certificate. (AVC)

AERO 240 AIRCRAFT POWERPLANT I
15 Units
Total Course Lecture Hours 180
Total Course Lab Hours 270
Provides instruction related to aircraft reciprocating and turbine engines. Topics include inspection, fuel systems, unducted fans and auxiliary power units. Intended for students who wish to attain FAA Powerplant Mechanic Certificate. (AVC)

AERO 241 AIRCRAFT POWERPLANT II
15 Units
Total Course Lecture Hours 180
Total Course Lab Hours 270
Prerequisite: *Completion of AERO 240.*
Provides instruction related to aircraft reciprocating and turbine engines. Topics include lubrication systems, induction systems, cooling systems, exhaust systems, electrical and instruments systems, fire systems and propellers. Intended for students who wish to attain FAA Powerplant Mechanic Certificate. (AVC)

Airframe and Powerplant Non Credit Courses

AERO 980 AIRCRAFT GENERAL - WRITTEN TEST REVIEW
0 Units
Total Course Lecture Hours 54
Limitations on Enrollment: *Eligibility to take FAA written mechanics examination.*
This course prepares students for the FAA Aircraft General Mechanics written examination. Topics include fundamental technical knowledge, current industry practices, and applicable FAA regulations relevant to aircraft maintenance and operations. Eligibility to take FAA written mechanics examination required. (R unlimited)

AERO 981 AIRCRAFT AIRFRAME - WRITTEN TEST REVIEW
0 Units
Total Course Lecture Hours 54
Limitations on Enrollment: *Eligibility to take FAA written mechanics examination.*
This course prepares students for the FAA Aircraft Airframe written examination. Topics include fundamental technical knowledge, current industry practices, and applicable FAA regulations relevant to aircraft maintenance and operations. Eligibility to take FAA written mechanics examination required. (R unlimited)

AERO 982 AIRCRAFT POWERPLANT - WRITTEN TEST REVIEW
0 Units
Total Course Lecture Hours 54
Limitations on Enrollment: *Eligibility to take FAA written mechanics examination.*
This course prepares students for the FAA Aircraft Powerplant Mechanics written examination. Topics include fundamental technical knowledge, current industry practices, and applicable FAA regulations relevant to aircraft maintenance and operations. Eligibility to take FAA written mechanics examination required. (R unlimited)

Department Description

The certificate program includes coursework to help students prepare for the non-destructive inspection level I and level II certifications. Please note, students will have to complete the required number of work experience hours for level I and level I certifications outside the classroom instruction.

Program Learning Outcomes

Aeronautical Non-Destructive Inspection (ANDI)

1. Analyze and evaluate critical aspects of non-destructive inspection as it pertains to the aerospace manufacturing industry, which includes aspects related to safe work practices, standards and tolerances, standard shop practices, proper use of tools, equipment, operating systems, and personal protective equipment.
2. Inspect, analyze, evaluate, and troubleshoot, aerospace manufacturing defects, flaws, and damage as it relates to the proper methods of identifying and setting up correct inspection equipment and inspection methods.

Associate Degree

Associate degree not available.

Certificate Program

Aeronautical Non-Destructive Inspection Cert

This program is designed to introduce students to the principles of nondestructive inspection (NDI) and nondestructive testing (NDT). Non-destructive testing (NDT) is a testing and analysis technique used by the aerospace industry to evaluate the properties of a material, component, and structure for characteristic differences without causing damage to the aircraft structures. Inspection methods covered in this course are Eddy Current and Ultrasonic inspection. Classroom lecture and hands-on practice with NDI testing equipment, processes, and procedures.

Students who successfully complete the certificate requirements may apply for entry-level positions in aerospace nondestructive inspection, nondestructive testing, quality inspection, and aircraft or aerospace manufacturing inspection support.

Program Requirements

Aeronautical Non-Destructive Inspection Cert (Total 11)

Complete all of the following	**Units**
ANDI 110 - Non Destructive Inspection: Visual Inspection, Liquid Penetrant, and Magnetic Particle	4
ANDI 115 - Non Destructive Inspection: Eddy Current	3.5
ANDI 120 - Non Destructive Inspection: Ultrasound Inspection	3.5

Recommended Pathway

TERM 1	
ANDI 110 - Non Destructive Inspection: Visual Inspection, Liquid Penetrant, and Magnetic Particle	4
ANDI 115 - Non Destructive Inspection: Eddy Current	3.5
	Total 7.5
TERM 2	
ANDI 120 - Non Destructive Inspection: Ultrasound Inspection	3.5
	Total 3.5
	Certificate Total 11

Aeronautical Non-Destructive Inspection Courses

ANDI 110 NON DESTRUCTIVE INSPECTION: VISUAL INSPECTION, LIQUID PENETRANT, AND MAGNETIC PARTICLE

4 Units

Total Course Lecture Hours 72

This course is designed to introduce students to the principles of nondestructive inspection (NDI) and nondestructive testing (NDT). Non-destructive testing (NDT) is a testing and analysis technique used by the aerospace industry to evaluate the properties of a material, component, and structure for characteristic differences or welding defects without causing damage to the aircraft structures. Inspection methods covered in this course are Visual Inspection, Dye Penetrant and Magnetic Particle inspection. Classroom lecture and hands-on practice with NDI testing equipment, processes, and procedures. (AVC)

ANDI 115 NON DESTRUCTIVE INSPECTION: EDDY CURRENT

3.5 Units

Total Course Lecture Hours 54

Total Course Lab Hours 27

Prerequisite: *Completion of or concurrent enrollment in ANDI 110.*

This course is designed to introduce students to the principles of nondestructive inspection (NDI) and nondestructive testing (NDT). Non-destructive testing (NDT) is a testing and analysis technique used by the aerospace industry to evaluate the properties of a material, component, and structure for characteristic differences without causing damage to the aircraft structures. Inspection method covered in this course is Eddy Current. Classroom lecture and hands-on practice with NDI testing equipment, processes, and procedures. (AVC)

ANDI 120 NON DESTRUCTIVE INSPECTION: ULTRASOUND INSPECTION

3.5 Units

Total Course Lecture Hours 54

Total Course Lab Hours 27

Prerequisite: *Completion of or concurrent enrollment in ANDI 110.*

This course is designed to introduce students to the principles of nondestructive inspection (NDI) and nondestructive testing (NDT). Non-destructive testing (NDT) is a testing and analysis technique used by the aerospace industry to evaluate the properties of a material, component, and structure for characteristic differences without causing damage to the aircraft structures. Inspection methods covered in this course are Ultrasonic inspection. Classroom lecture and hands-on practice with NDI testing equipment, processes, and procedures. (AVC)

ANDI 210 ADVANCED ULTRASONIC COMPOSITE INSPECTION

3.0 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ANDI 120.*

This advanced course provides an in-depth study of ultrasonic nondestructive testing (UT) with an emphasis on phased array ultrasonic testing (PAUT) principles, applications, and industry practices. Students will explore wave propagation theory, transducer design, beam steering, focusing techniques, and sectorial scanning, with a focus on practical implementation for flaw detection, sizing and characterization in complex geometries. Classroom lecture and hands-on practice with NDI testing equipment, processes, and procedures. (AVC)

Department Description

Students who complete the certificate have enhanced employability in the field of aerospace technology. This program helps current and aspiring leaders learn to promote positive change, make data-informed decisions, lead by example, and solve complex problems with sustainable solutions.

Program Learning Outcomes

Aerospace Leadership and Management Cert

1. Demonstrate key competences, tools and techniques related to management, administration, manufacturing processes, lean management, and Total Quality Management (TQM).
2. Apply the theoretical knowledge, methods, and skills gained from their coursework to improve overall management and production quality.

Associate Degree

Associate degree not available.

Certificate Program

Aerospace Leadership and Management Cert

Students who complete the certificate have enhanced employability in the field of aerospace technology. This program helps current and aspiring leaders learn to promote positive change, make data-informed decisions, lead by example, and solve complex problems with sustainable solutions. The certificate will provide students with leadership strategies and understanding / management of aerospace budgets and reporting. This course will provide students with process improvement strategies and required skills to become a successful in aerospace management.

Program Requirements

Aerospace Leadership and Management Cert (Total 12)

Complete all of the following	Units
ALM 110 - Leadership and Administration	3
ALM 115 - Manufacturing Processes and Controls	3
ALM 120 - Lean Manufacturing	3
ALM 130 - Total Quality Management	3

Recommended Pathway

Term 1	Units
ALM 110 - Leadership and Administration	3
	Total 3
Term 2	
ALM 115 - Manufacturing Processes and Controls	3
	Total 3
Term 3	
ALM 120 - Lean Manufacturing	3
	Total 3
Term 4	
ALM 130 - Total Quality Management	3
	Total 3
	Total 12

Aerospace Leadership and Management Courses

ALM 110 LEADERSHIP AND ADMINISTRATION

3 Units

Total Course Lecture Hours 54

This course is designed to provide students with a roadmap to achieving excellence in aerospace leadership. The course outlines the theoretical foundations of leadership, leadership styles, skills, roles, and functions of leaders in an aerospace organization. This course identifies common administrative task that are required for smooth day to day operations. (AVC)

ALM 115 MANUFACTURING PROCESSES AND CONTROLS

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ALM 110.*

This course is designed to provide students with an understanding of manufacturing processes and shop controls. This course outlines policies, procedures, planning/scheduling, cost, quality, productivity, safety, and risk management. This course identifies the different controls and processes that are necessary for successful aerospace production. (AVC)

ALM 120 LEAN MANUFACTURING

3 Units

Total Course Lecture Hours 54

Prerequisites: *Completion of ALM 110 and ALM 115.*

This course focuses on gaining an understanding of Lean principles, practices, and techniques from both technical and individual perspectives needed to effect the change and sustain improvement within the aviation industry. Emphasis will be placed on developing the individual skills needed to become a Lean thinker and champion building a roadmap for transitioning an organization from its current state to one of being a Lean operation. Six Sigma and the 5's systems will be covered. (AVC)

ALM 130 TOTAL QUALITY MANAGEMENT

3 Units

Total Course Lecture Hours 54

Prerequisites: *Completion of ALM 110, ALM 115 and ALM 120.*

This course focuses on the importance of Total Quality Management (TQM) to the successful operation of the aerospace industry. This course will provide students with knowledge of continuous improvement techniques such as statistical process charts and assessment frameworks (e.g., Deming's philosophy, ISO 9100). Students will study and TQM implementation in aerospace organizations and understand the overarching impact TQM has on all aspects of the aerospace industry. (AVC)

Department Description

Air Conditioning and Refrigeration, a constantly changing program designed to satisfy the mechanically oriented person. Introducing entry level skills in this rapidly growing service industry. A Student may specialize in air conditioning, refrigeration, or both (recommended.) The program is built on the block principle with refrigeration divided into domestic and commercial, and air conditioning divided into residential and commercial systems. Students test and repair actual equipment and built-up trainers. Field trips are taken, familiarizing students with actual application.

Program Learning Outcomes

Air Conditioning Spec Cert & AS

1. Analyze and evaluate critical aspects of the air conditioning industry related to safe work practices and industry standards both in the shop and in the field. Using safe work practices and proper PPE using proper handtools, meters, gauges and test instruments.
2. Analyze, evaluate, troubleshoot, and repair mechanical and electrical control systems to an air conditioning industry entry level standard.
3. Use Environmental Protection Agency Rule 608 refrigerant handling standards to properly charge, maintain and/or dispose of equipment at the end of life cycle.
4. Analyze load calculations to determine "Winter Heat Loss" and "Summer Heat Gain" to determine equipment type and size. Make equipment recommendations to meet the need efficiently and reliably.
5. Interpret prints and drawings including mechanical and electrical schematics and pictorials for job specifications, equipment location and diagnostics.
6. Analyze systems and components for proper installation, operation and efficiency.
7. Diagnose and facilitate repair to the smallest repairable unit on an air conditioning unit.

Refrigeration Specialist Cert

1. Analyze and evaluate critical aspects of the refrigeration industry related to safe work practices and industry standards both in the shop and in the field. Using safe shop practices and the proper use of personal protective equipment, hand tools, meters, gauges and test instruments.
2. Analyze, evaluate, troubleshoot, and repair mechanical and electrical control systems to a refrigeration industry entry level standard.
3. Use Environmental Protection Agency Rule 608 refrigerant handling standards to properly charge, maintain and / or dispose and equipment at the end of the life cycle. A successful student must be able to comply with current standards.
4. Analyze prints and drawings including mechanical and electrical schematics and pictorials for job specifications, equipment location and diagnostics.
5. Determine the proper installation requirements and use industry standard practices to layout and install equipment.
6. Analyze systems and components for proper installation, operation and efficiency.
7. Diagnose and facilitate repair to the smallest repairable component on a refrigeration unit.

Refrigeration Specialist AS

1. Install, analyze, diagnose and repair refrigeration equipment using proper handtools, meters, gauges and test instruments
2. Demonstrate proper refrigerant handling techniques in recovery, recycling and reclamation when installing, repairing and removing refrigeration equipment.
3. Analyze systems and components for proper installation, operation and efficiency.
4. Analyze prints and drawings including mechanical and electrical schematics and pictorials for job specifications, equipment location and diagnostics.
5. Diagnose and facilitate repair to the smallest repairable unit on a refrigeration unit.

Certificate Programs

Air Conditioning Specialist Cert

The certificate requirements for an Air Conditioning Specialist may be satisfied by completing 20 units of required courses and can be used as a major toward an associate degree. This Certificate and/AS degree provide the basic skills necessary to enter the Air Conditioning Industry with enhanced employability and opportunity through increased options in the Air Conditioning Industry.

Program Requirements
Air Conditioning Specialist Cert (Total 20)
Complete all of the following **Units**

Residential Air Conditioning (Total 10)
Complete all of the following
ACRV 122 - Residential Air Conditioning Systems 5
ACRV 123 - Residential Air Conditioning Controls 5

Commercial Air Conditioning (Total 10)
Complete all of the following
ACRV 222 - Commercial Air Conditioning Controls 5
ACRV 223 - Commercial Air Conditioning Systems 5

Recommended Pathway
Days & Nights

Term 1	**Units**
ACRV 122 - Residential Air Conditioning Systems	5
ACRV 123 - Residential Air Conditioning Controls	5
	Total 10
Term 2	
ACRV 222 - Commercial Air Conditioning Controls	5
	Total 5
Term 3	
ACRV 223 - Commercial Air Conditioning Systems	5
	Total 5
	Certificate Total 20

Recommended Pathway - Nights

Term 1	**Units**
ACRV 122 - Residential Air Conditioning Systems	5
	Total 5
Term 2	
ACRV 123 - Residential Air Conditioning Controls	5
	Total 5

Term 3	
ACRV 222 - Commercial Air Conditioning Controls	5
	Total 5
Term 4	
ACRV 223 - Commercial Air Conditioning Systems	5
	Total 5
	Certificate Total 20

Refrigeration Specialist Cert

The program is built on the block principle with refrigeration divided into domestic and commercial courses. Alternate energy concepts are included in the commercial refrigeration courses. Proper handling practices for the new HO and HC (Hydro-olefin and Hydro-Carbon) refrigerants, as well as the applicable EPA-mandated regulations, are covered. Students perform tests and repairs on actual equipment as well as built-up trainers. Field trips to various course-related installations are taken, familiarizing students with actual applications.

This certificate requires a minimum of 20 units. This program provides the basic skills necessary to enter the refrigeration industry as an entry-level technician. This certificate can be used as a major toward an associate degree.

Program Requirements
Refrigeration Specialist Cert (Total 20)

Complete all of the following	**Units**
ACRV 112 - Basic Refrigeration Systems	5
ACRV 113 - Basic Refrigeration Controls	5
ACRV 212 - Commercial Refrigeration Systems	5
ACRV 213 - Commercial Refrigeration Controls	5

Recommended Pathway
Nights Only Program 2 Nights a Week

Term 1	**Units**
ACRV 112 - Basic Refrigeration Systems	5
	Total 5
Term 2	
ACRV 113 - Basic Refrigeration Controls	5
	Total 5
Term 3	
ACRV 212 - Commercial Refrigeration Systems	5
	Total 5
Term 4	
ACRV 213 - Commercial Refrigeration Controls	5
	Total 5
	Certificate Total 20

Recommended Pathway
Days Fundys and Night Advanced

Term 1	**Units**
ACRV 112 - Basic Refrigeration Systems	5
ACRV 113 - Basic Refrigeration Controls	5
	Total 5
Term 2	
ACRV 212 - Commercial Refrigeration Systems	5
	Total 5
Term 3	
ACRV 213 - Commercial Refrigeration Controls	5
	Total 5
	Certificate Total 20

Air Conditioning & Refrigeration Specialist Cert

A certificate in Air Conditioning- Refrigeration Specialist may be earned by completing the requirements for the Air Conditioning Specialist and the Refrigeration Specialist. Duplicate courses need only be taken once. The requirements for an associate degree may be satisfied by completing the certificate requirements in addition to the associate degree requirements.

Program Requirements
Air Conditioning & Refrigeration Specialist Cert (Total 40)
Complete all of the following

Basic Refrigeration (Total 10)	**Units**
Complete all of the following	
ACRV 112 - Basic Refrigeration Systems	5
ACRV 113 - Basic Refrigeration Controls	5
Residential Air Conditioning (Total 10)	
Complete all of the following	
ACRV 122 - Residential Air Conditioning Systems	5
ACRV 123 - Residential Air Conditioning Controls	5
Commercial Refrigeration (Total 10)	
Complete all of the following	
ACRV 212 - Commercial Refrigeration Systems	5
ACRV 213 - Commercial Refrigeration Controls	5
Commercial Air Conditioning (Total 10)	
Complete all of the following	
ACRV 222 - Commercial Air Conditioning Controls	5
ACRV 223 - Commercial Air Conditioning Systems	5

Recommended Pathway

Term 1	**Units**
ACRV 112 - Basic Refrigeration Systems	5
ACRV 122 - Residential Air Conditioning Systems	5
	Total 10
Term 2	
ACRV 113 - Basic Refrigeration Controls	5
ACRV 123 - Residential Air Conditioning Controls	5
	Total 10
Term 3	
ACRV 212 - Commercial Refrigeration Systems	5
ACRV 222 - Commercial Air Conditioning Controls	5
	Total 10
Term 4	
ACRV 213 - Commercial Refrigeration Controls	5
ACRV 223 - Commercial Air Conditioning Systems	5
	Total 10
	Certificate Total 40

Associate Degrees

Air Conditioning Specialist AS

The requirements for an associate degree in Air Conditioning may be satisfied by completing 60 units of required Associate Degree Requirements.

Students who complete the associate degree have enhanced employability in the field of Air Conditioning. They are well prepared for entry level service positions with eventual

leadership roles. Additionally, they have shown that they are capable of advanced training, and able to comprehend and apply complex theory. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the diverse field of opportunity in the Heating Ventilation Air Conditioning, commonly known as HVAC, industry. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Air Conditioning Specialist AS (Total 20)
Complete all of the following

Required Courses (Total 20)	**Units**
Complete all of the following	
ACRV 122 - Residential Air Conditioning Systems	5
ACRV 123 - Residential Air Conditioning Controls	5
ACRV 222 - Commercial Air Conditioning Controls	5
ACRV 223 - Commercial Air Conditioning Systems	5

Recommended Pathway

Term 1	**Units**
ACRV 122 - Residential Air Conditioning Systems	5
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 4	3
General Elective	3
	Total 15
Term 2	
ACRV 123 - Residential Air Conditioning Controls	5
AVC GE Area 2 (MATH 103)	4
AVC GE Area 1B	3
General Elective	3
	Total 15
Term 3	
AVC GE Area 6	3
ACRV 222 - Commercial Air Conditioning Controls	5
AVC GE Area 3	3
General Elective	2
General Elective	3
	Total 16
Term 4	
ACRV 223 - Commercial Air Conditioning Systems	5
AVC GE Area 5	3
General Elective	3
General Elective	3
	Total 14
	Degree Total 60

Refrigeration Specialist AS

The requirements for the associate's degree may be satisfied by completing 60 units of required Associate Degree Requirements.

Students who complete the associate degree in Refrigeration have enhanced employability in the field of Refrigeration. They are well prepared for entry level service positions with eventual leadership roles. Additionally, they have shown that they are capable of advanced training, and able to comprehend and apply complex theory. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the diverse field of opportunity in the Refrigeration Industry. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Refrigeration Specialist AS (Total 20)

Complete all of the following	**Units**
ACRV 112 - Basic Refrigeration Systems	5
ACRV 113 - Basic Refrigeration Controls	5
ACRV 212 - Commercial Refrigeration Systems	5
ACRV 213 - Commercial Refrigeration Controls	5

Recommended Pathway

Term 1	**Units**
ACRV 112 - Basic Refrigeration Systems	5
AVC GE Area 1A (ENGL C1000)	4
General Elective	3
General Elective	3
	Total 15
Term 2	
ACRV 113 - Basic Refrigeration Controls	5
AVC GE Area 5	3
AVC GE Area 1B	3
AVC GE Area 2 (MATH 103)	4
	Total 15
Term 3	
ACRV 212 - Commercial Refrigeration Systems	5
AVC GE Area 3	3
General Elective	3
General Elective	3
	Total 14
Term 4	
ACRV 213 - Commercial Refrigeration Controls	5
AVC GE Area 4	3
General Elective	3
AVC GE Area 6	3
General Elective	2
	Total 16
	Degree Total 60

Air Conditioning & Refrigeration Specialist AS

The requirements for an associate degree in Air Conditioning and Refrigeration may be satisfied by completing 40 units of required courses and 23 units of general education requirements to total 63 units. (See Graduation/Associate Degree Requirements.)

Students who complete the associate degree in Air Conditioning and Refrigeration have increased employability with firms that work in both Air Conditioning and Refrigeration Industries. They are well prepared for entry level service positions with eventual leadership roles. Additionally, they have shown that they are capable of advanced training, and able to comprehend and apply complex theory. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the diverse field of opportunity in the HVAC/R Industry.

Program Requirements
Air Conditioning & Refrigeration Specialist AS (Total 40)

Complete all of the following	**Units**
ACRV 112 - Basic Refrigeration Systems	5
ACRV 113 - Basic Refrigeration Controls	5
ACRV 122 - Residential Air Conditioning Systems	5
ACRV 123 - Residential Air Conditioning Controls	5
ACRV 212 - Commercial Refrigeration Systems	5
ACRV 213 - Commercial Refrigeration Controls	5
ACRV 222 - Commercial Air Conditioning Controls	5
ACRV 223 - Commercial Air Conditioning Systems	5

Recommended Pathway
Days & Nights

Term 1	**Units**
ACRV 112 - Basic Refrigeration Systems	5
ACRV 113 - Basic Refrigeration Controls	5
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 5	3
Total 17	
Term 2	
ACRV 122 - Residential Air Conditioning Systems	5
ACRV 123 - Residential Air Conditioning Controls	5
AVC GE Area 2 (MATH 103)	4
Total 14	
Term 3	
ACRV 212 - Commercial Refrigeration Systems	5
ACRV 222 - Commercial Air Conditioning Controls	5
AVC GE Area 3	3
AVC GE Area 1B	3
Total 16	
Term 4	
ACRV 213 - Commercial Refrigeration Controls	5
ACRV 223 - Commercial Air Conditioning Systems	5
AVC GE Area 4	3
AVC GE Area 6	3
Total 16	
Degree Total 63	

Recommended Pathway
Nights

Term 1	**Units**
ACRV 112 - Basic Refrigeration Systems	5
ACRV 122 - Residential Air Conditioning Systems	5
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 5	3
Total 17	
Term 2	
ACRV 113 - Basic Refrigeration Controls	5
ACRV 123 - Residential Air Conditioning Controls	5
AVC GE Area 2 (MATH 103)	4
Total 14	
Term 3	
ACRV 212 - Commercial Refrigeration Systems	5
ACRV 222 - Commercial Air Conditioning Controls	5
AVC GE Area 3	3
AVC GE Area 1B	3
Total 16	
Term 4	
ACRV 213 - Commercial Refrigeration Controls	5
ACRV 223 - Commercial Air Conditioning Systems	5
AVC GE Area 4	3
AVC GE Area 6	3
Total 16	
Degree Total 63	

Air Conditioning and Refrigeration Courses

ACRV 112 BASIC REFRIGERATION SYSTEMS

5 Units
Total Course Lecture Hours 54
Total Course Lab Hours 108

Study of refrigeration fundamentals including heat transfer, energy, and the basic refrigeration system. Basic tools with some specialty tools and basic refrigerant handling skills will also be covered. Topics include: brazing of copper tubing; repair and replacement of components, along with maintenance on domestic refrigeration equipment. Recommended for students desiring to enter the air conditioning and refrigeration industry. (AVC)

ACRV 113 BASIC REFRIGERATION CONTROLS

5 Units
Total Course Lecture Hours 54
Total Course Lab Hours 108

Study of electrical diagrams and circuits in domestic refrigerators and freezers. Includes terminology, legends, ATL and pictorial electrical diagrams used in domestic refrigeration equipment. The testing and repair or replacement of specialized circuitry on refrigeration equipment including types of motors and start components, temperature controls and defrost timers used on domestic refrigeration equipment will also be covered. Recommended for students desiring to enter the air conditioning and refrigeration industry. (AVC)

ACRV 122 RESIDENTIAL AIR CONDITIONING SYSTEMS

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135

Study of air conditioning fundamentals including methods of heating, cooling and humidification. Topics include: repair and replacement of components along with maintenance on residential air conditioning equipment. Environmental controls are introduced with basic electrical schematics using temperature and humidity controls. (AVC)

ACRV 123 RESIDENTIAL AIR CONDITIONING CONTROLS

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135

Study of air conditioning fundamentals including methods of heating, cooling and humidification. Load calculation along with air flow, duct design, air quality and air handling are covered. The characteristics of air and psychrometrics are introduced. A residential system is designed from calculating load to laying out the air handling system (blower and ducts). Course also includes system evaluation and diagnostics of the air side of the system. Recommended for students entering the air conditioning industry. (AVC)

ACRV 212 COMMERCIAL REFRIGERATION SYSTEMS

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135
Prerequisite: *Completion of ACRV 112 and 113.*

Study of commercial refrigeration applications and design concerns including calculating of heat loads and equipment sizing. Installation and service procedures including maintenance practices are covered in the lab portion of class. Emphasis on the refrigerant handling and recovery practices used in the repair and replacement of components. Recommended for students desiring to enter the refrigeration industry. (AVC)

ACRV 213 COMMERCIAL REFRIGERATION CONTROLS

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135
Prerequisite: *Completion of ACRV 112 and 113.*

Equipment specific refrigeration principles and applications are studied. Commercial refrigeration applications and design concerns including analyzing efficiency and optimizing performance. Diagnostics, service and repair are covered in the “hands-on” lab portion of class. Emphasis on the refrigerant handling and recovery practices used in the repair and replacement of components. Recommended for students desiring to enter the refrigeration industry. (AVC)

ACRV 222 COMMERCIAL AIR CONDITIONING CONTROLS

5 Units
Total Course Lecture Hours 54
Total Course Lab Hours 108
Prerequisite: *Completion of ACRV 122 and ACRV 123.*

Study of commercial air conditioning covering electricity and controls. Reviews basic electrical theory and takes the student through electrical schematics and controls as they apply to the light commercial air conditioning industry. Topics include: motors, magnetic line starters, transformers, solid-state devices and programmable logic controllers. ATL and pictorial schematic wiring diagrams for commercial single and three-phase systems are also covered. Recommended for students desiring to enter the air conditioning industry. (AVC)

ACRV 223 COMMERCIAL AIR CONDITIONING SYSTEMS

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135
Prerequisite: *Completion of ACRV 122 and ACRV 123.*

Study of commercial air conditioning covering building environments. Course covers the commercial facility and its systems management and control. Energy conservation using economizers. Occupant comfort and productivity are issues considered in system design and control. Equipment types to include boilers, heat recovery and economizer packages, cooling towers and hydronic systems along with air handling and filtration are introduced. Control strategies for occupant comfort, and facility control management are discussed. (AVC)

Department Description

The Aircraft Fabrication and Assembly certificate is designed to prepare students for entry-level employment in the aerospace industry. Students who complete this certificate program will have the necessary skills to be employed by aircraft manufacturers and subcontractors in aircraft structures and composites fabrication and assembly. The Associate Degree is designed to prepare students for the Aircraft Manufacturing Technology (AFMT) Bachelor's Degree of Science. Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives to qualify for the degree or certificate.

Program Learning Outcomes

Advanced Aircraft Structures Cert

1. Analyze and evaluate critical aspects of the aerospace industry related to safe work practices, standards and tolerances, standard shop practices, proper use of tools, power equipment, and personal protective equipment.
2. Analyze, evaluate, troubleshoot, and repair structural assembly systems to meet air worthy standards.

Aircraft Fabrication & Assembly Technician Cert

1. Plan, design, and construct aircraft structures to industry standards using sheet metal and composites materials.
2. Analyze and evaluate critical aspects of the aerospace industry related to safe work practices, standards and tolerances, standard shop practices, proper use of tools, power equipment, and personal protective equipment.
3. Assure that actions and decisions are based on ethical work practices and human factors directly related to proficiency level degradation in the work environment.
4. Use, read, and interpret industry standard blueprints to construct aircraft components.

Aircraft Fabrication and Assembly Technician AS

1. Plan, design, and construct aircraft structures to industry standards using sheet metal and composites materials.
2. Analyze and evaluate critical aspects of the aerospace industry related to safe work practices, standards and tolerances, standard shop practices, proper use of tools, power equipment, and personal protective equipment.
3. Use, read, and interpret industry standard blueprints to construct aircraft components
4. Assure that actions and decisions are based on ethical work practices and human factors directly related to proficiency level degradation in the work environment.

Blueprints & Structures Cert

1. Plan, design, and construct aircraft structures and blueprints to industry standards using sheet metal and composites materials.
2. Analyze and evaluate critical aspects of the aerospace industry related to safe work practices, standard shop practices, proper use of tools, power equipment, and personal protective equipment.
3. Analyze, evaluate and summarize the aviation/aerospace arena and various aircraft case study outcomes.

Locally Approved Certificate

Blueprints & Structures Cert

The Blueprints and Structures certificate program includes course work that will prepare students for entry-level employment in the aerospace industry with an emphasis in ethical workplace standards. Students who complete this certificate will have the necessary skills to be employed by aircraft manufacturers and subcontractors in a variety of positions. Principles and techniques of aircraft structural, blueprint, and assembly will be thoroughly conveyed in both a lecture and laboratory environment.

Program Requirements

Blueprints & Structures Cert (Total 15)

Complete all of the following	**Units**
AFAB 110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation	3
AFAB 115 - Aircraft Structures	8
AFAB 130 - Aerospace Ethics and Issues	4

Recommended Pathway

Term 1	**Units**
AFAB 110 - Introduction to Aircraft Structures, Blueprints and Manufacturing Documentation	3
AFAB 115 - Aircraft Structures	8
AFAB 130 - Aerospace Ethics and Issues	4
	Total 15
	Certificate Total 15

Certificate Programs

Advanced Aircraft Structures Cert

Students who complete the certificate have enhanced employability in the field of aerospace technology. They have enhanced promotional opportunities into supervisory and/or management positions. The certificate will provide students with advanced techniques and skills to broaden their knowledge with which to evaluate and troubleshoot complex task. The advanced skills will assist the students in identifying inefficiencies and reducing operational waste, while improving the ability to communicate clearly and effectively.

Program Requirements

Advanced Aircraft Structures Cert (Total 19)

Complete all of the following	**Units**
AFAB 210 - Aircraft Production Systems	4
AFAB 215 - Advanced Aircraft Sheetmetal & Composite Structures	8
AFAB 220 - Advanced Composite Fabrication, Assembly, and Repair	7
	Total 19

Recommended Pathway

Block 1 & 2	**Units**
AFAB 210 - Aircraft Production Systems	4
AFAB 215 - Advanced Aircraft Sheetmetal & Composite Structures	8
AFAB 220 - Advanced Composite Fabrication, Assembly, and Repair	7
	Total 19
	Certificate Total 19

Aircraft Fabrication and Assembly Technician Cert

The Aircraft Fabrication and Assembly certificate is designed to prepare students for entry-level employment in the aerospace industry. Students who complete this certificate program will have the necessary skills to be employed by aircraft manufacturers and subcontractors in aircraft structures and

composites fabrication and assembly. The Associate Degree is designed to prepare students for the Aircraft Manufacturing Technology (AFMT) Bachelor's Degree of Science. The certificate and associate degree programs include coursework to help prepare students for entry-level employment in the aerospace industry. Students who complete this program will have the necessary skills to be employed by aircraft manufacturers and subcontractors in a variety of positions.

Program Requirements
Aircraft Fabrication & Assembly Technician Cert (Total 26)

Complete all of the following	**Units**
AFAB 110 - Introduction to Aircraft Structures, Blueprints and Manufacturing Documentation	3
AFAB 115 - Aircraft Structures	8
AFAB 120 - Composites Fabrication and Repair	7
AFAB 130 - Aerospace Ethics and Issues	4
AFAB 210 - Aircraft Production Systems	4

Recommended Pathway

Term 1	**Units**
AFAB 110 - Introduction to Aircraft Structures, Blueprints and Manufacturing Documentation	3
AFAB 115 - Aircraft Structures	8
AFAB 120 - Composites Fabrication and Repair	7
	Total 18
Term 2	
AFAB 130 - Aerospace Ethics and Issues	4
AFAB 210 - Aircraft Production Systems	4
	Total 8
	Certificate Total 26

Associate Degree

Aircraft Fabrication and Assembly Technician AS

The requirements for an associate degree in Aircraft Fabrication and Assembly Technician may be satisfied by completing 26 units of required courses, 21 units of general education requirements, and sufficient elective credits to total 60 units. (See Graduation/ Associate Degree Requirements.) It is recommended that if the student needs elective units, that they complete the prerequisite courses for the AFMT bachelor program.

Students who complete the associate degree have enhanced employability in the field of aerospace technology. They have enhanced promotional opportunities into supervisory and/or management positions as they gain experience and training within this career field. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Aircraft Fabrication & Assembly Technician AS (Total 26)

Complete all of the following	**Units**
AFAB 110 - Introduction to Aircraft Structures, Blueprints and Manufacturing Documentation	3
AFAB 115 - Aircraft Structures	8
AFAB 120 - Composites Fabrication and Repair	7
AFAB 130 - Aerospace Ethics and Issues	4
AFAB 210 - Aircraft Production Systems	4

Recommended Pathway

Term 1	**Units**
AFAB 110 - Introduction to Aircraft Structures, Blueprints and Manufacturing Documentation	3
AFAB 115 - Aircraft Structures	8
AFAB 120 - Composites Fabrication and Repair	7
	Total 18
Term 2	
AFAB 130 - Aerospace Ethics and Issues	4
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 1B	3
AVC GE Area 2	3
	Total 14
Term 3	
AFAB 210 - Aircraft Production Systems	4
AVC GE Area 3	3
AVC GE Area 4	3
AVC GE Area 5	3
General Elective	1
	Total 14
Term 4	
AVC GE Area 6	3
General Elective	3
General Elective	3
General Elective	3
General Elective	2
	Total 14
	Degree Total 60

Aircraft Fabrication and Assembly Courses

AFAB 110 INTRODUCTION TO AIRCRAFT STRUCTURES, BLUEPRINTS, AND MANUFACTURING DOCUMENTATION

3 Units
Total Course Lecture Hours 54

This course is designed to provide students with the basic knowledge of aircraft structures, shop mathematics, basic hand measuring devices and familiarization with aircraft manufacturing documentation, such as blueprints and work instructions. Instruction includes lecture and hands-on practice in reading and interpreting actual blueprints and manufacturing documentation. (AVC)

AFAB 115 AIRCRAFT STRUCTURES

8 Units
Total Course Lecture Hours 126
Total Course Lab Hours 54
Prerequisite: *Completion of or concurrent enrollment in AFAB 110.*

Designed to give students the necessary skills to perform journeyman aerospace structures assembly and repair. Classroom lecture and hands-on practice in step-drilling holes in aluminum alloys and composites, and the installation of rivets and special fasteners. In addition, students will demonstrate the proper preparation and application of aircraft sealants and the assembly of sheet metal and composite substrates as a final project of moderate complexity. (AVC)

AFAB 120 COMPOSITES FABRICATION AND REPAIR

7 Units

Total Course Lecture Hours 108

Total Course Lab Hours 54

Prerequisites: *Completion of or concurrent enrollment in AFAB 110*

This course is designed to familiarize students with the basic aircraft composite manufacturing techniques and knowledge. The content covered in this course deals with wet and prepreg layup, vacuum bagging techniques and processes, surface preparation for gap filling and back masking, and the manufacturing of composite components/parts. This course consists of both classroom lecture and hands-on practice. Students are required to interpret engineering prints, work instructions, manufacturing documentation and/or drawings. (AVC)

AFAB 130 AEROSPACE ETHICS AND ISSUES

4 Units

Total Course Lecture Hours 72

Addresses the ethical responsibilities of aircraft maintenance technicians (AMTs). Course will articulate an ethical framework for aircraft technicians by critically reflecting on aerospace practices and examining the ethical challenges that confront the aerospace industry, and aerospace technicians and professionals working within these organizations. Includes: social and personal responsibilities in aerospace, truth-telling and disclosure, whistle-blowing, professionalism, safety, and human factors. A detailed analysis of many case studies in industry will be reviewed. (CSU, AVC)

AFAB 140 PNEUDRAULICS

2 Units

Total Course Lecture Hours 27

Total Course Lab Hours 27

Prerequisite: *Completion of AFAB 110 and AFAB 115.*

Entry Level course designed to familiarize students with the basic principles of pneudraulics, fluid lines and fittings and the proper assembly and installation. (AVC)

AFAB 150 SURFACE PREPARATION AND MATERIAL APPLICATIONS

7 Units

Total Course Lecture Hours 108

Total Course Lab Hours 54

Prerequisite: *Completion of AFAB 110, AFAB 115, and AFAB 120.*

This course is designed to familiarize students with the basic aircraft surface preparation and material application techniques and knowledge. The content covered in this course deals with surface preparation of both metal structures and composite materials, various material applications, and masking techniques. This course consists of both classroom lecture and hands-on practice. Students are required to interpret engineering prints, work instructions, manufacturing documentation and or drawings. (AVC)

AFAB 210 AIRCRAFT PRODUCTION SYSTEMS

4 Units

Total Course Lecture Hours 72

Prerequisites: *Completion of AFAB 115 or AERO 230.*

The course is designed to give students with basic aircraft fabrication skills the necessary knowledge and practical experience to perform effectively and grow professionally in an aircraft production organization. The course will introduce the student to the many functional groups that manage, design, plan, schedule, supply, and oversee aircraft production operations. Students will gain experience with production and quality standards, process controls, and documentation requirements through participation in hands-on laboratory fabrication projects. (AVC)

AFAB 215 ADVANCED AIRCRAFT SHEETMETAL & COMPOSITE STRUCTURES

8 Units

Total Course Lecture Hours 126

Total Course Lab Hours 54

Prerequisite: *Completion of AFAB 115.*

This course is designed to familiarize students with the advanced aerospace structural assembly, which includes instructor-led lecture and hands-on training in shop safety and workmanship fundamentals, the use of tools and equipment, MES functions, and structures fundamentals including 5S, blueprint reading, hole prep, drilling various materials, sealing, liquid shim applications, and inspections. Students are required to interpret engineering prints, work instructions, manufacturing documentation and or drawings. (AVC)

AFAB 220 ADVANCED COMPOSITE FABRICATION, ASSEMBLY, AND REPAIR

7 Units

Total Course Lecture Hours 108

Total Course Lab Hours 54

Prerequisite: *Completion of AFAB 120.*

This course is designed to familiarize students with advanced aircraft composite manufacturing techniques and knowledge, which includes instructor-led lecture and hands-on training in shop safety and workmanship fundamentals, the use of tools and equipment, 5S, MES functions, and composite system fundamentals including layup, debulking, ply direction, vacuum bagging, leak detection, curing, PIs, surface prep, pinking, darting, overlapping, buttsplicing, bonding, and inspections. Students are required to interpret engineering prints, work instructions, manufacturing documentation and or drawings. (AVC)

Department Description

The program meets the need in the aerospace industry for multi-skilled individuals who understand, perform, and serve as first-line leads in the major processes of manufacturing the structural components of an aircraft for civilian and military specifications. This program is designed to prepare students for careers in aviation manufacturing engineering.

MINIMUM ELIGIBILITY REQUIREMENTS FOR APPLICANTS:

1. Completion of the Aircraft Fabrication & Assembly Technician (AFAB) or Aeronautical and Aviation Technology (AERO) associate degree/course sequence.
2. Completion of the general education requirements:

CHEM 101, Introductory Chemistry	5
COMM C1000, Introduction to Public Speaking	3
ENGL C1000, Academic Reading and Writing	3
ENGL 115, Introduction to Technical Communication	3
PSYC C1000, Introduction to Psychology	3
PHYS 101, Introductory Physics	4
MATH 135, Plane Trigonometry	3

NOTE: Above courses fulfill both the major and the general education requirements. For assistance, contact the counseling department.

3. Students must have a 3.0 minimum GPA in all AFAB/AERO courses and a 3.0 minimum GPA in all college classes taken for credit (overall GPA).

Airframe Manufacturing Technology (AFMT) Bachelor's Degree Program

Antelope Valley College (AVC) accepts a limited number of transfer credits from other institutions, subject to formal articulation agreements or specific approval by the academic department. Transferability is evaluated on a case-by-case basis, ensuring alignment with our curriculum and academic standards. Prospective students are encouraged to consult with the program designated advisors for details on existing agreements and the transfer process.

NOTE: The aerospace industries generally require employment applicants to pass a background check and drug screening. Employment is often subject to the applicant's ability to receive a security clearance from the Department of Defense (DoD).

APPLICATION PROCESS:

Applicants seeking admission to the Airframe Manufacturing Technology Bachelor's Degree (AFMT) program must follow the instructions outlined below:

1. Complete an Application for Enrollment Form.

The application is available on the AFMT program webpage. The AFMT Rubric – Student Questionnaire is integrated into the online application and must be completed at the time of submission.

2. Upload required supporting documents.

As part of the application, students must upload a current Education Plan completed by an AVC Counselor or Advisor assigned to the AFMT program. Education Plans must be from the spring term of the year the student is applying.

- **Scheduling:** Appointments must be scheduled with AFMT counseling personnel only. Students should schedule early, as appointments fill quickly. Appointments may be made by calling (661) 722-6300 ext. 6338.
- **Approved Personnel:** For the list of approved counseling personnel, visit the program webpage.

3. Submit Official Transcripts.

Order official transcripts from all previously attended post-secondary institutions, including Antelope Valley College, and have them sent electronically to bachelors@avc.edu (Attention: Rocio Heasley).

- **Advanced Placement (AP):** If students have AP credits, an official AP Score Report must be sent directly from the College Board to Antelope Valley College.
- **External Records:** One set of official transcripts from all institutions outside of Antelope Valley College must also be on file with AVC.

4. Submit your application.

The online application and all required document uploads must be completed at the time of submission. Students should ensure all official transcripts have been ordered prior to submitting the application. Mailed paper application packets and in-person submissions are no longer accepted. Applicants must submit only one application per cycle; submitting multiple applications will not improve the likelihood of admission.

The program does not maintain a waiting list, and applicants who are not admitted must reapply during a future application cycle.

For the most current program information, including forms please visit us at www.avc.edu/academics/afmt.

SCREENING PROCEDURES:

Student eligibility for admission to the program is determined through a multi-criteria screening process. Applications are ranked based on the total points earned through scholastic eligibility, as outlined in the Application Rubric available on the program webpage. In the event of a tie in total points, rankings will be determined by the highest overall GPA. Meeting minimum requirements and submission of an application do not guarantee admission to the program. Enrollment is limited to a maximum of 18 students per year. Students are notified of their admission status via their AVC student email. The program does not maintain a waiting list, and applicants who are not admitted must reapply during a future application cycle.

Note: Incomplete packets will not be considered.

Program Learning Outcomes

Airframe Manufacturing Technology BS

1. Students will be able to apply knowledge, techniques, skills, and modern tools of mathematics, science, engineering, and technology to solve broadly defined engineering problems appropriate to aerospace manufacturing and maintenance.
2. Students will demonstrate an ability to design systems, components, or processes that meet specified needs for broadly defined engineering problems appropriate to aerospace science and technology.

3. Students will demonstrate an ability to apply written, oral, and graphical communication in broadly defined technical and non-technical environments, and an ability to identify and use appropriate technical literature.
4. Students will demonstrate an ability to conduct standard tests, measurements, and experiments, and to analyze and interpret the results to improve processes.
5. Students will demonstrate an ability to function effectively as a member as well as a leader on technical teams.

Certificate Program

Certificate not applicable.

Bachelor Degree

Airframe Manufacturing Technology BS

The Airframe Manufacturing Technology baccalaureate degree builds off of two existing high quality, successful programs that have provided well trained employees to meet the needs in our communities for many years. By expanding these programs to include the opportunity to earn a baccalaureate degree, Antelope Valley College will now fill the need of local employers for a highly skilled lead worker in the same field and will provide a valuable opportunity for both our students and our community.
The Airframe Manufacturing Technology program will include courses in disciplines in which Antelope Valley College already offers degrees and certificates: Aircraft Fabrication and Assembly and Aviation Airframe. Entrance into the baccalaureate courses will require graduation from or substantial completion of one of those programs prior to admission to upper division courses.

Note: All courses designated as an upper division major requirement must be completed with a minimum grade of "C" (or "P") for each course in the major.

Program Requirements
Airframe Manufacturing Technology BS (Total 122 - 126.5)
Complete all of the following

Program Prerequisites (Total 51 - 55.5)
Complete all of the following
Program Prerequisites (Total 18 - 22.5)
Complete the following number of rules: 1
AFAB Option (Total 18)

Complete all of the following	**Units**
AFAB 110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation	3
AFAB 115 - Aircraft Structures	8
AFAB 120 - Composites Fabrication and Repair	7

AERO Option (Total 22.5)
Complete all of the following

AERO 121 - Aircraft General II	7.5
AERO 230 - Aircraft Airframe I	15

Program Prerequisites (Total 33)
Complete all of the following
Program Prerequisites (Total 23)
Complete all of the following

AFAB 130 - Aerospace Ethics and Issues	4
AFAB 210 - Aircraft Production Systems	4
CHEM 101 - Introductory Chemistry	5
ENGL 115 - Introduction to Technical Communication	3
MATH 135 - Plane Trigonometry	3
PHYS 101 - Introductory Physics	4

English Honors Option (Total 4)
Complete the following number of units: 4

ENGL C1000 - Academic Reading and Writing	4
ENGL C1000H - Academic Reading and Writing - Honors	4

Comm Honors Option (Total 3)
Complete the following number of units: 3

COMM C1000 - Introduction to Public Speaking	3
COMM C1000H - Introduction to Public Speaking - Honors	3

PSYC Honors Option (Total 3)
Complete the following number of units: 3

PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3

Required Courses (Total 68)
Complete all of the following

AFMT 310 - Safety in Aviation	3
AFMT 320 - Lean Management (Six Sigma/5S)	3
AFMT 330 - Airframe Manufacturing Producibility	3
AFMT 340 - Theory of Low Observables	3
AFMT 341 - Manufacturing Testing and Inspection	6
AFMT 345 - Airframe Composite Manufacturing I	6
AFMT 350 - Airframe Manufacturing Capstone I	2
AFMT 442 - Foreign Object Elimination (FOE) and Migration Paths	3
AFMT 446 - Airframe Composite Manufacturing II	6
AFMT 451 - Airframe Manufacturing Capstone II	4
BIOL 304 - A Survey of Emerging and Remerging Infectious Diseases	3
ELTE 105 - Introduction to Robotics	3
POLS C1000 - American Government and Politics	3
ENGL 315 - Applied Technical Writing	3
MATH 150 - Calculus and Analytic Geometry	5
POLS C1000 - American Government and Politics	3
PSCI 302 - Introduction to Quantitative Atmospheric Dynamics and Thermodynamics	3
PSY 301 - Organizational Behavioral Psychology	3
Any AVC GE Area 3	3
Any AVC GE Area 6	3

CAD Options - Choose One (Total 3)
Complete the following number of units: 3

AM 135B - 3D Solid Modeling I using Solidworks	3
ENGR 140 - Engineering 3D Graphics	3

Recommended Pathway AERO Sequence

Fall	**Units**
AERO 230 - Aircraft Airframe I	15
	Total 15
Spring	
ENGL C1000 - Academic Reading and Writing	4
POLS C1000 - American Government and Politics	3
AFAB 130 - Aerospace Ethics and Issues	4
COMM C1000 - Introduction to Public Speaking	3
PSYC C1000 - Introduction to Psychology	3
	Total 17
Summer	
AERO 121 - Aircraft General II	7.5
	Total 7.5

Fall

AFAB 210 - Aircraft Production Systems	4
MATH 135 - Plane Trigonometry	3
PHYS 101 - Introductory Physics	4
Any AVC GE Area 3	3
	Total 14

Spring

MATH 150 - Calculus and Analytic Geometry	5
CHEM 101 - Introductory Chemistry	5
ENGL 115 - Introduction to Technical Communication	3
	Total 13

Fall

BIOL 304 - A Survey of Emerging and Remerging Infectious Diseases	3
ENGL 315 - Applied Technical Writing	3
PSCI 302 - Introduction to Quantitative Atmospheric Dynamics and Thermodynamics	3
PSY 301 - Organizational Behavioral Psychology	3
AVC GE Area 6	3
	Total 15

Spring

AFMT 310 - Safety in Aviation	3
AFMT 320 - Lean Management (Six Sigma/5S)	3
AFMT 330 - Airframe Manufacturing Producibility	3
ELTE 105 - Introduction to Robotics	3
CAD Options (AM 135B ***OR*** ENGR 140)	3
	Total 15

Fall

AFMT 340 - Theory of Low Observables	3
AFMT 341 - Manufacturing Testing and Inspection	6
AFMT 345 - Airframe Composite Manufacturing I	6
AFMT 350 - Airframe Manufacturing Capstone I	2
	Total 17

Spring

AFMT 442 - Foreign Object Elimination (FOE) and Migration Paths	3
AFMT 446 - Airframe Composite Manufacturing II	6
AFMT 451 - Airframe Manufacturing Capstone II	4
	Total 13
	Degree Total 126.5

Recommended Pathway AFAB Sequence

Fall **Units**

AFAB 110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation	3
AFAB 130 - Aerospace Ethics and Issues	4
COMM C1000 - Introduction to Public Speaking	3
ENGL C1000 - Academic Reading and Writing	4
POLS C1000 - American Government and Politics	3
	Total 17

Spring

AFAB 115 - Aircraft Structures	8
AFAB 120 - Composites Fabrication and Repair	7
	Total 15

Fall

AFAB 210 - Aircraft Production Systems	4
MATH 135 - Plane Trigonometry	3
PHYS 101 - Introductory Physics	4
AVC GE Area 3	3
	Total 14

Spring

CHEM 101 - Introductory Chemistry	5
ENGL 115 - Introduction to Technical Communication	3
PSYC C1000 - Introduction to Psychology	3
AVC GE Area 6	3
	Total 14

Summer

MATH 150 - Calculus and Analytic Geometry	5
	Total 5

Fall

BIOL 304 - A Survey of Emerging and Remerging Infectious Diseases	3
ENGL 315 - Applied Technical Writing	3
PSCI 302 - Introduction to Quantitative Atmospheric Dynamics and Thermodynamics	3
PSY 301 - Organizational Behavioral Psychology	3
	Total 12

Spring

AFMT 310 - Safety in Aviation	3
AFMT 320 - Lean Management (Six Sigma/5S)	3
AFMT 330 - Airframe Manufacturing Producibility	3
ELTE 105 - Introduction to Robotics	3
CAD Options (AM 135B ***OR*** ENGR 140)	3
	Total 15

Fall

AFMT 340 - Theory of Low Observables	3
AFMT 341 - Manufacturing Testing and Inspection	6
AFMT 345 - Airframe Composite Manufacturing I	6
AFMT 350 - Airframe Manufacturing Capstone I	2
	Total 17

Spring

AFMT 442 - Foreign Object Elimination (FOE) and Migration Paths	3
AFMT 446 - Airframe Composite Manufacturing II	6
AFMT 451 - Airframe Manufacturing Capstone II	4
	Total 13
	Degree Total 122

Airframe Manufacturing Technology Courses

AFMT 310 SAFETY IN AVIATION

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be selected as part of the AFMT BS Degree cohort to take this course.*

Prerequisite: *Completion of AFAB 130, AFAB 210, ENGL 315, and PSY 301.*

This course provides supervisors/leads/technicians with the aviation safety principles and practices needed to manage the problems associated with aircraft manufacturing/maintenance operations, aviation safety program development, safety management systems, aviation human factors issues, and case studies relevant to aviation safety. This includes the identification and analysis of major problem areas and the impact of accidents on the aviation industry. Students are prepared to assume safety responsibilities in their areas of operation. (CSU, AVC)

AFMT 320 LEAN MANAGEMENT (SIX SIGMA/5S)

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be selected as part of the AFMT BS Degree cohort to take this course.*

Prerequisite: *Completion of AFAB 210, ENGL 315, and PSY 301.*

Corequisite: *: Concurrent enrollment in AFMT 330.*

This course focuses on gaining an understanding of Lean principles, practices, and techniques from both technical and individual perspectives needed to effect the change and sustain improvement within the aviation industry. Emphasis will be placed on developing the individual skills needed to become a Lean thinker and champion building a roadmap for transitioning an organization from its current state to one of being a Lean operation. Six Sigma and the 5's systems will be covered. Classroom sessions will include exercises designed to simulate real world applications to clarify concepts and techniques. (CSU, AVC)

AFMT 330 AIRFRAME MANUFACTURING PRODUCIBILITY

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be selected as part of the AFMT BS Degree cohort to take this course.*

Prerequisite: *Completion of AFAB 210, ENGL 315, and PSY 301.*

Corequisite: *Concurrent enrollment in AFMT 320.*

This course addresses the evaluation of product producibility and the impact of changes in the properties and characteristics of the manufacturing process in the context of "Return on Investment." Students will evaluate whether or not changes incorporated into the manufacturing process not only fix the problem/issue, but also reduce costs for the company. Note: This course is a prerequisite for Capstone I and Capstone II classes. (CSU, AVC)

AFMT 340 THEORY OF LOW OBSERVABLES

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be selected as part of the AFMT BS Degree cohort to take this course.*

Prerequisite: *Prerequisite: Completion of AFAB 120, CHEM 101, and PHYS 101.*

This course provides an understanding of the history and development of low observable technology, the reduction of radar, optical and acoustic signatures which provide stealth. A focus on the importance of proper coating application processes that ensure stealth capabilities, along with facilities, equipment, and Personal Protective Equipment (PPE) requirements for applying coatings will also be covered. (CSU, AVC)

AFMT 341 MANUFACTURING TESTING AND INSPECTION

6 Units

Total Course Lecture Hours 90

Total Course Lab Hours 54

Limitation on Enrollment: *Must be selected as part of the AFMT BS Degree cohort to take this course.*

Prerequisite: *Completion of AFMT 310.*

This course provides an understanding and familiarization with the various inspection and testing methods for the materials and processes associated with aircraft structures. Non-Destructive Inspections (NDI) and Non-Destructive Testing (NDT) are other methods employed by the aviation industry to detect defects. This course includes hands-on familiarization with testing equipment related to rigging, high pressure lines and fittings, seals, gases, fluids, and curing. (CSU, AVC)

AFMT 345 AIRFRAME COMPOSITE MANUFACTURING I

6 Units

Total Course Lecture Hours 90

Total Course Lab Hours 54

Limitation on Enrollment: *Must be selected as part of the AFMT BS Degree cohort to take this course.*

Prerequisite: *Completion of AFAB 120 and AFMT 310.*

This course is designed and intended for advancing knowledge and skills of composite manufacturing. Students will develop an advanced understanding of the practical skills involved in producing quality composite structures. The student will have an intermediate level of understanding of composite layup and vacuum bagging techniques for complex shapes, fabrication of potted honeycomb core assemblies, manufacturing composite component parts using production type tooling, and a fundamental understanding of the documentation and record keeping required to support composite manufacturing. (CSU, AVC)

AFMT 350 AIRFRAME MANUFACTURING CAPSTONE I

2 Units

Total Course Lecture Hours 36

Limitation on Enrollment: *Must be selected as part of the AFMT BS Degree cohort to take this course.*

Prerequisite: *Completion of AFMT 310, AFMT 320, and AFMT 330.*

This course is the initial phase of the Lean Management/Project Management proposal process that will consist of an actual unclassified or generic project that student teams would compete for. Possible 'real world' unclassified projects may come from aerospace corporations. The capstone course encompasses the assigning of teams, distribution of project proposals, assigning of faculty and/or industry mentors. These projects will focus on workflow analysis and project management. (CSU, AVC)

AFMT 442 FOREIGN OBJECT ELIMINATION (FOE) AND MIGRATION PATHS

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be selected as part of the AFMT BS Degree cohort to take this course.*

Prerequisite: Completion of AFMT 330.

This course provides supervisors/leads/technicians with aviation safety principles and practices needed to manage the problems associated with aircraft manufacturing/ maintenance operations. In addition, it prepares students to assume safety responsibilities in their areas of operation. The Foreign Object Elimination (FOE) elements of basic awareness addresses twelve industry identified basic knowledge areas, activities and functions designed to prevent foreign objects from entering aerospace products. The standards are derived from NAS 412 - Foreign Object Damage / Foreign Object Debris (FOD) Prevention. Possible field trip opportunities to Northrop Grumman and other industry partners. (CSU, AVC)

AFMT 446 AIRFRAME COMPOSITE MANUFACTURING II

6 Units

Total Course Lecture Hours 90

Total Course Lab Hours 54

Limitation on Enrollment: *Must be selected as part of the AFMT BS Degree cohort to take this course.*

Prerequisite: *Completion of AFMT 345.*

This course is designed and intended for advancing knowledge and skills of composite manufacturing. Students will develop an advanced understanding of the practical skills involved in producing quality composite structures. The student will have an intermediate level knowledge of machining, trimming and drilling composite components using fixtures, surface preparation methods/secondary bonding of structures, component assembly methods and techniques, as well as acquire a fundamental knowledge of the resin vacuum infusion manufacturing process. (CSU, AVC)

AFMT 451 AIRFRAME MANUFACTURING CAPSTONE II

4 Units

Total Course Lecture Hours 72

Limitation on Enrollment: *Must be selected as part of the AFMT BS Degree cohort to take this course.*

Prerequisite: *Completion of AFMT 350.*

This course is the design and submission phase of the Lean Management/Project Management proposal process that will consist of an actual unclassified or generic project that student teams would compete for. Possible "real world" unclassified projects may come from aerospace corporations. The capstone course encompasses the completion and submission of project proposals. (CSU, AVC)

Biology Course

BIOL 304 A SURVEY OF EMERGING AND REMERGING INFECTIOUS DISEASES

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be enrolled in an AVC bachelor's degree program to take this course.*

Prerequisite: *Completion of ENGL C1000 (ENGL 101).*

This is an upper division General Education course, covering a survey of selected emerging and re-emerging infectious diseases, addressing the Biological, Historical, Sociological, Geographical, and Epidemiological factors that have had an impact on the human populations worldwide throughout history. The content will cover the basic concepts of infectious disease agents (Viruses, Prions, Bacteria, Protozoa, and Helminths), human biology, and the Public Health measures used to identify, treat, and prevent these diseases. Also covered are the various human factors that have influenced the trends of these diseases, including historical events, Geopolitics, and cultural and Sociological changes affecting human populations. (AVC)

English Course

ENGL 315 APPLIED TECHNICAL WRITING

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be enrolled in an AVC bachelor's degree program to take this course.*

Prerequisite: *Completion of ENGL 115.*

Building on skills learned in the lower division technical writing course, this course provides extended, guided practice and instruction in understanding and writing for multiple audiences and multiple purposes in a technical environment. Students will develop skills in language choice as an aid to clarity, and students will learn principles of document design in both digital and conventional communication situations. Students will learn advanced research techniques and strategies while working on extended writing projects. Learning to work on multi-staged, collaborative projects will be central to this course. (CSU, AVC)

Physical Science Course

PSCI 302 INTRODUCTION TO QUANTITATIVE ATMOSPHERIC DYNAMICS AND THERMODYNAMICS

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be enrolled in an AVC bachelor's degree program to take this course.*

Prerequisite: *Completion of MATH 135 and PHYS 101.*

This course provides a quantitative understanding of general meteocourse provides a quantitative understanding of general meteorology. It introduces the physics and thermodynamics of the atmosphere to understand the horizontal and vertical transport of atmospheric heat and momentum which are directly related to cyclones, anticyclones, hurricanes, weather fronts, mesoscale disturbances, severe storms, tornadoes, sea and land breezes, atmospheric boundary layer and turbulence. Insight into these mechanisms will be gained through the use of spreadsheet-based calculations by allowing relationships to be studied by plotting the data graphically and then explaining the meaning of those relationships using the graphs. Atmospheric thermodynamic processes will be quantified using various thermodynamic calculations and in some cases, computational diagrams such as the Skew-T and Stüve diagrams. (CSU, AVC)

Psychology Course

PSY 301 ORGANIZATIONAL BEHAVIORAL PSYCHOLOGY

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be enrolled in an AVC bachelor's degree program to take this course.*

Prerequisite: *PSYC C1000 (PSY 101) or PSYC C1000H (PSY 101H).*

This course offers an introduction and broad overview of the psychology of individual and group dynamics in the workplace. This course will examine topics such as organizational culture and structure, teamwork, group dynamics, managing change, conflict theory, motivation, and leadership. Emphasis is placed on applying course concepts to current workplace issues. (AVC)

Department Description

Anthropology is the study of humankind. It is a holistic discipline, involving the natural sciences, humanities, and social sciences that examine various aspects of past and present-day humans across the globe. It consists of four fields: Archaeology, Biological Anthropology, Cultural Anthropology, and Linguistic Anthropology. Archaeology investigates past human cultures through material culture. Biological Anthropology studies the social behavior and the biological aspects of humans within an evolutionary framework. Cultural Anthropology focuses on sociocultural variation among humans. Linguistic Anthropology examines how language and communication reflect and influence social life. From this wide perspective, anthropology helps us to understand other peoples and thereby enables us to better understand ourselves.

Program Learning Outcomes

Anthropology AA-T

1. Demonstrate an appreciation of a holistic approach to understanding human biological, linguistic, and cultural diversity, especially those features that separates humans from other species.
2. Clearly express self when writing or speaking about anthropology demonstrating knowledge of anthropological terminology, major anthropological concepts, and the main theories that offer various explanations and understandings of diverse cultural, archaeological, and biological processes that impact societies.
3. Demonstrate an understanding of the scientific method and incorporate the scientific method to analyze aspects of the human condition (biology, behavior, language, artifacts).
4. Evaluate anthropological data, draw reasonable conclusions, recognize ethical implications of these conclusions, and apply these conclusions to scientific and social problems
5. Utilize appropriate fieldwork techniques for anthropology.
6. Demonstrate an understanding and appreciation for the role of anthropology in the workplace and the real world.

Certificate Program

Certificate not applicable.

Associate Degree

Anthropology AA-T

The Associate in Arts in Anthropology for Transfer (AA-T in Anthropology) degree program has been developed to provide the student with a fundamental understanding of the field of Anthropology and its four main sub-fields: Archaeology, Biological Anthropology, Cultural Anthropology, and Linguistics. Anthropology is the study of humankind, both past and present. It is a holistic discipline, which means that anthropologists study the similarities and differences in human biological and cultural origins, evolution, adaptations, and features across the globe throughout all of human history. From this wide perspective anthropology helps us to understand other people and thereby enables us to better understand ourselves.

The Associate in Arts in Anthropology for Transfer (AA-T in Anthropology) degree provides students with the opportunity to seamlessly transfer to a California State University in advanced standing as an Anthropology major and it meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn the Associate in Arts in Anthropology for Transfer (AA-T in Anthropology) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Anthropology AA-T (Total 24 - 30)
Complete all of the following

Core Courses (Total 8)

Complete all of the following	**Units**
ANTH 102 - Introduction to Cultural Anthropology	3
ANTH 140 - Introduction to Archaeology	4
ANTH 101L - Biological Anthropology Lab	1

Core Course - Choose one (Total 3)
Complete the following number of units: 3

ANTH 101 - Introduction to Biological Anthropology	3
ANTH 101H - Biological Anthropology Honors	3

Required Electives List A (Total 4)
Complete the following number of units: 4

STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4
MATH 116 - Introduction to Statistics Using R	4

Required Electives List B, Choose two courses (Total 6-11)
Complete the following number of units: 6-11

ANTH 103 - Archaeology and World Prehistory	3
ANTH 110 - Latin American & Caribbean Cultures	3
ANTH 112 - Native North Americans	3
ANTH 112H - Native North Americans Honors	3
ANTH 199 - Work Experience Education	1 - 8

Required Electives List C or any course from list B not already used (Total 3 - 4)
Complete the following number of units: 3-4
Either choose 1 of these courses (Total 3 - 4)
Complete the following number of units: 3-4

BIOL 201 - General Human Anatomy	4
GEOG 205 - Introduction to Geographic Information Science (GIS)	3
ERSC 101 - Introduction to Earth Science	4

if none of the above courses are selected, GEOL 101L must be taken with GEOL 101 or GEOL 101H (Total 4)
Complete the following number of units: 4

GEOL 101 - Physical Geology	3
GEOL 101H - Physical Geology Honors	3
GEOL 101L - Physical Geology Lab	1

Recommended Pathway	
Semester 1	**Units**
ANTH 101 - Introduction to Biological Anthropology ***OR*** ANTH 101H - Biological Anthropology Honors	3
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 3A	3
ANTH 101L - Biological Anthropology Lab	1
General Elective	3
	Total 14
Semester 2	
ANTH 102 - Introduction to Cultural Anthropology	3
Required Electives List A (STAT C1000)	4
AVC GE Area 1C	3
AVC GE Area 3B	3
General Elective	3
	Total 16
Semester 3	
Required Electives List C **(**GEOL 101)	3
Required Electives List C (GEOL 101L)	1
Required Electives List B **(**ANTH 103)	3
Cal-GETC GE Area1B	3
General Elective	3
General Elective	2
	Total 15
Semester 4	
ANTH 140 - Introduction to Archaeology	4
Cal-GETC GE Area 6	3
AVC GE Area 4 (ANTH 112)	3
AVC GE Area 4 (POLS C1000)	3
General Elective	2
	Total 15
	Degree Total 60

Anthropology Courses

ANTH 101 INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY

3 Units

Total Course Lecture Hours 54

This is an introductory course from a scientific perspective about human evolution and human biological diversity. General emphasis is placed on scientific explanations for human origins, modern human diversity, and the place of our species in the natural world. Specifically, emphasis is placed on the field of anthropology, the scientific method, the biological processes involved in organic evolution, fossil evidence for human evolution, interpretations of the fossil record, physical and behavioral characteristics of primates, human genetics, modern human variation, biocultural evolution, the biological significance of "race," and interpretations of the archaeological evidence for the origin of culture. (C-ID: ANTH 110) (UC, CSU, AVC)

ANTH 101H BIOLOGICAL ANTHROPOLOGY HONORS

3 Units

Total Course Lecture Hours 54

This honors course, intended for students in the Honors Transfer Program, is an introductory course from a scientific perspective about human evolution and human biological diversity. General emphasis is placed on scientific explanations for human origins, modern human diversity, and the place of our species in the natural world. Specifically, emphasis is placed on the field of anthropology, the scientific method, the biological processes involved in organic evolution, fossil evidence for human evolution, interpretations of the fossil record, physical and behavioral characteristics of primates, human genetics, modern human variation, biocultural evolution, the biological significance of "race," and interpretations of the archaeological evidence for the origin of culture. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. (C-ID: ANTH 110)(UC, CSU, AVC) Note: Students may take either ANTH 101 Biological Anthropology or ANTH 101H Biological Anthropology Honors. Duplicate credit will not be awarded.

ANTH 101L BIOLOGICAL ANTHROPOLOGY LAB

1 Unit

Total Course Lab Hours 54

Corequisite: *Completion of or concurrent enrollment in ANTH 101 or ANTH 101H.*

This is an introductory laboratory course that investigates human evolution and human biological diversity from a scientific perspective. This includes human genetics, human and non-human primate anatomy and behavior, primate/hominin fossil record, and modern human variation. A field trip may be required. (C-ID: ANTH 115L) (UC, CSU, AVC)

ANTH 102 INTRODUCTION TO CULTURAL ANTHROPOLOGY

3 Units

Total Course Lecture Hours 54

This course explores how anthropologists study and compare human culture. Cultural anthropologists seek to understand the broad arc of human experience focusing on a set of central issues: how people around the world make their living (subsistence patterns); how they organize themselves socially, politically and economically; how they communicate; how they relate to each other through family and kinship ties; what they believe about the world (belief systems); how they express themselves creatively (expressive culture); how they make distinctions among themselves such as through applying gender, racial and ethnic identity labels; how they have shaped and been shaped by social inequalities such as colonialism; and how they navigate culture change and processes of globalization that affect us all. Ethnographic case studies highlight these similarities and differences, and introduce students to how anthropologists do their work, employ professional anthropological research ethics and apply their perspectives and skills to understand humans around the globe. An appreciation of the significance of cultural diversity is stressed, as well as understanding ethnocentrism as a barrier to cross-cultural understanding.

All of this provides an important basis for discussions of cultural and ethnic diversity within our own society as well as around the world. (C-ID: ANTH 120) (UC, CSU, AVC)

ANTH 103 ARCHAEOLOGY AND WORLD PREHISTORY

3 Units

Total Course Lecture Hours 54

This course is an introduction to the archaeological record documenting the evolution of human culture from the earliest stone tool makers to the establishment and collapse of the world's first major civilizations. Archaeological theories, techniques and methodologies are introduced as the means for understanding these developments. Covers societies from around the world including the Americas and Asia to Africa and Europe. Topics studied include hunter-gatherer adaptations, the domestication of plants and animals, the emergence of social complexity, the origins of writing, and the development of cities and states. (UC, CSU, AVC)

ANTH 110 LATIN AMERICAN & CARIBBEAN CULTURES

3 Units

Total Course Lecture Hours 54

The objective of this course is to introduce students to the peoples and cultures of Latin America and the Caribbean from prehistoric times to the present. Students apply the holistic approach of anthropology to recognize the diverse cultures present before European conquest such as the Taíno, Maya, Mexica (Aztec), and Inca. This approach further addresses contact with Europeans, resistance to colonialism, race and ethnicity, poverty, foodways, gender and sexuality, religion, health, migration, and transnational communities. Attention will be given to the diasporic social and political experiences of Latinos and Afro-Latinos as differentiated from dominant and other groups in the United States. Issues of racism and sexism will be explicitly covered. (UC, CSU, AVC)

ANTH 112 NATIVE NORTH AMERICANS

3 Units

Total Course Lecture Hours 54

This course provides a general survey of the origins and development of Native American cultures in North America from antiquity to the present examining their social, cultural, political, and economic history. Using an interdisciplinary approach, the course examines applicable methods and theories to understand the rich and diverse cultural systems encountered by Europeans in the sixteenth century, the impact of contact on both Native and Euroamerican cultures, and the contemporary realities of indigenous peoples. Students are expected to develop a substantial general knowledge of Native American peoples, their cultural history, resistance, agency, sovereignty, and diversity. A field trip may be required. (UC, CSU, AVC)

ANTH 112H NATIVE NORTH AMERICANS HONORS

3 Units

Total Course Lecture Hours 54

This honors course, intended for students in the Honors Transfer Program, provides a general survey of the origins and development of Native American cultures in North America from antiquity to the present examining their social, cultural, political, and economic history. Using an interdisciplinary approach, the course examines applicable methods and theories to understand the rich and diverse cultural systems encountered by Europeans in the sixteenth century, the impact of contact on both Native and Euroamerican cultures, and the contemporary realities of indigenous peoples. Students are expected to develop a substantial general knowledge of Native American peoples, their cultural history, resistance, agency, sovereignty, and diversity. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. (UC, CSU, AVC) Note: Students may take either ANTH 112 Native North Americans or ANTH 112H Native North Americans Honors. Duplicate credit will not be awarded.

ANTH 140 INTRODUCTION TO ARCHAEOLOGY

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

This course provides an introduction to archaeological field work and laboratory analysis, and involves student field work at off-campus archaeological sites. It also provides an introduction to the theoretical basis of anthropological archaeology research, in which artifacts and archaeological sites are examined in order to understand how culture has changed over time. Students will gain practical experience in field and laboratory research and methods. They will be exposed to a variety of real research situations in archaeology and will be taught to recognize and solve problems commonly arising in such situations. (C-ID: ANTH 150) (UC, CSU, AVC)

ANTH 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

Department Description

The Art programs are directed toward individual artistic development with an emphasis on developing the student's ability to create independent artistic works, as well as the ability to gain an enhanced comprehension, appreciation and personal enjoyment of artworks. There are studio courses from beginning to intermediate levels, and the art appreciation and art history courses present a survey of artistic creations. Students have the opportunity to develop artistic expertise through individual exploration and an exploration of a rich range of gallery exhibits, participating in possible field trips to regional exhibits, guest lectures, portfolio presentations, and student shows.

Program Learning Outcomes

Art History AA-T

1. Student will recognize major movements and understand characteristics of art from various time periods and cultures throughout the world.
2. Student will be able to visually analyze works of art and use appropriate art historical terminologies to demonstrate critical thinking in verbal, written, and visual communication.
3. Student will develop understanding and appreciation of the creative processes in art making.

Studio Art AA-T

1. Develop an understanding of the theoretical, cultural, and historical contexts of art from pre-history to the contemporary.
2. Develop an appreciation for diverse perspectives dealing with art and culture and become ethically involved in both individual and collaborative art experiences.
3. Create an original portfolio of art projects that demonstrate competent use of tools, materials, and technologies; proficient art skills and techniques; effectively communicate concepts and ideas.
4. Apply critical thinking skills by analyzing and interpreting art concepts and methodologies; demonstrate effective verbal, written, and visual communication.

Certificate Program

Certificate not applicable..

Associate Degree

Art History AA-T

Associate in Arts in Art History for Transfer (AA-T in Art History) degree at Antelope Valley College offers students a solid knowledge base in the vocabulary, concepts and visual analysis in art history. Students are taught to apply critical thinking skills in their examinations of artworks through the ages within their historical and cultural contexts. Students will demonstrate their understanding of functions, meanings and significance of fine arts and visual cultures of the world through academic written works and oral presentations. By completing this transfer degree, students will be prepared to do further study and pursue a major in art history in a bachelor degree program at CSU.

The Associate in Arts in Art History for Transfer (AA-T in Art History) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn an Associate in Arts in Art History for Transfer (AA-T in Art History) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Art History AA-T (Total 18)
Complete all of the following

Required Core Courses - Choose One (Total 3)
Complete the following number of units: 3

	Units
ARTH C1100 - Survey of Art from Prehistory to the Medieval Era	3
ARTH C1100H - Survey of Art from Prehistory to the Medieval Era - Honors	3
ARTH C1200 - Survey of Art from the Renaissance to Contemporary	3
ARTH C1200H - Survey of Art from the Renaissance to Contemporary - Honors	3

Required Core Course - Choose One (Total 3)
Complete the following number of units: 3

ART 103 - History of Art: Africa, Oceania and Indigenous North America	3
ART 106 - History of Art: Asia	3

Required Core Course - Choose One (Total 3)
Complete the following number of units: 3

ART 110 - Drawing	3
ART 145 - 2-D Design Basics	3
ART 150 - 3-D Design Basics	3

Required Electives List A (Choose a course not already used) (Total 3)
Complete the following number of units: 3

ARTH C1100 - Survey of Art from Prehistory to the Medieval Era	3
ARTH C1100H - Survey of Art from Prehistory to the Medieval Era - Honors	3
ARTH C1200 - Survey of Art from the Renaissance to Contemporary	3
ARTH C1200H - Survey of Art from the Renaissance to Contemporary - Honors	3
ART 103 - History of Art: Africa, Oceania and Indigenous North America	3
ART 104 - History of Modern and Contemporary Art in the 20th Century	3
ART 106 - History of Art: Asia	3

Required Electives List B (Total 3)
Complete the following number of units: 3

ART 110 - Drawing	3
ART 113 - Painting I	3
ART 120 - Introduction to Printmaking	3
ART 121 - Digital Art and Drawing	3
ART 132 - Introduction to Ceramics: Hand-Building	3
ART 135 - Beginning Wheel-Thrown Ceramics	3
ART 136 - Intermediate Wheel-Thrown Ceramics	3
ART 137 - Advanced Wheel-Thrown Ceramics	3
ART 140 - Watercolor	3
ART 145 - 2-D Design Basics	3
ART 150 - 3-D Design Basics	3
ART 163 - Painting II	3
ART 170 - Drawing II	3
ART 210 - Drawing III	3
ART 213 - Painting III	3
ART 216 - Figure Drawing	3
PHTC 101 - Beginning Black and White Photography	3

Required Electives List C or any course from List A or List B not already used (Total 3)
Complete the following number of units: 3

DA 101 - Dance Appreciation	3
FTV 101 - Introduction to Film	3
MUS 101 - Music Appreciation	3
MUS 101H - Music Appreciation Honors	3
MUSC 102 - History of Jazz	3
MUSC 103 - History of Rock 'n Roll	3
MUSC 107 - History of Women in Rock Music	3
THA 101 - Introduction to Theatre	3
THA 101H - Introduction to Theatre Honors	3

Recommended Pathway

Term 1	**Units**
Required Core Course (ARTH C1100 ***OR*** ARTH C1100H ***OR*** ARTH C1200 ***OR*** ARTH C1200H)	3
AVC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 2	3
Cal-GETC GE Area 4	3
Total 16	

Term 2	
Required Core Course (ART 103 ***OR*** ART 106)	3
Required Core Course (ART 110 ***OR*** ART 145 ***OR*** ART 150)	3
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 4	3
Cal-GETC GE Area 5A	3
Total 15	

Term 3	
Required Electives List A (see list)	3
Required Electives List B (see list)	3
Cal-GETC GE Area 3B	3
Cal-GETC GE Area 5B	3
Cal-GETC GE Area 5C	1
General Elective	1
Total 14	

Term 4	
Required Electives List C (see list)	3
Cal-GETC GE Area 3A	3
Cal-GETC GE Area 6	3
General Elective	3
General Elective	3
Total 15	
Degree Total 60	

Studio Arts AA-T

The Associate in Art in Studio Arts for Transfer (AA-T in Studio Arts) degree offers students a solid knowledge base in the vocabulary, skills, and concepts in the studio arts. Students will develop and enhance their own creative art practices in preparation for a baccalaureate degree in the visual arts.

The Associate in Art in Studio Arts for Transfer (AA-T in Studio Arts) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities. .

To earn an Associate in Art in Studio Arts for Transfer (AA-T in Studio Arts) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of “C” (or “P”) for each course in the major
- Minimum overall grade point average of 2.0

Studio Arts AA-T (Total 24)
Complete all of the following

Required Courses (Total 12)
Complete the following number of units: 12

Required Course - Choose one (Total 3)	**Units**
Complete the following number of units: 3	
ARTH C1200 - Survey of Art from the Renaissance to Contemporary	3
ARTH C1200H - Survey of Art from the Renaissance to Contemporary - Honors	3

Required Courses (Total 9)
Complete all of the following

ART 110 - Drawing	3
ART 145 - 2-D Design Basics	3
ART 150 - 3-D Design Basics	3

Required Electives Group A (Total 3)
Complete the following number of units: 3

ARTH C1100 - Survey of Art from Prehistory to the Medieval Era	3
ARTH C1100H - Survey of Art from Prehistory to the Medieval Era - Honors	3
ART 103 - History of Art: Africa, Oceania and Indigenous North America	3
ART 104 - History of Modern and Contemporary Art in the 20th Century	3
ART 106 - History of Art: Asia	3

Required Electives Group B : Select a total of 3 courses from 3 different curricular areas (Total 9)
Complete the following number of units: 9

Drawing Option (Total 0 - 3)	
ART 170 - Drawing II	3
ART 210 - Drawing III	3
ART 216 - Figure Drawing	3
Painting Option (Total 0 - 3)	
ART 113 - Painting I	3
Printmaking Option (Total 0 - 3)	
ART 120 - Introduction to Printmaking	3
Ceramics Option (Total 0 - 3)	
ART 132 - Introduction to Ceramics: Hand-Building	3
Digital Art Option (Total 0 - 3)	
ART 121 - Digital Art and Drawing	3
Photography Option (Total 0 - 3)	
PHTC 101 - Beginning Black and White Photography	3
Other Media Option (Total 0 - 3)	
ART 116 - Illustration	3
ART 135 - Beginning Wheel-Thrown Ceramics	3
ART 137 - Advanced Wheel-Thrown Ceramics	3
ART 140 - Watercolor	3
PHTC 125 - Beginning Digital Photography	3
Second Semester Option (Total 0 - 3)	
ART 163 - Painting II	3
ART 213 - Painting III	3

Recommended Pathway

Term 1	**Units**
ART 110 - Drawing	3
ARTH C1200 - Survey of Art from the Renaissance to Contemporary	3
AVC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 2	3
General Elective	3
	Total 16
Term 2	
ART 145 - 2-D Design Basics	3
Required Electives Group A (see list)	3
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 5B	3
Cal-GETC GE Area 5C	1
General Elective	1
	Total 14
Term 3	
ART 150 - 3-D Design Basics	3
Required Electives Group B (see list)	3
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 4	3
Cal-GETC GE Area 5A	3
	Total 15
Term 4	
Required Electives Group B (see list)	3
Required Electives Group B (see list)	3
Cal-GETC GE Area 3B	3
Cal-GETC GE Area 6	3
Cal-GETC GE Area 4	3
	Total 15
	Degree Total 60

Art Courses

ART 100 ART APPRECIATION

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 or placement by multiple measures.*

Instructional materials fee *required for this course and must be paid at registration.*

This course explores and examines the elements of art, both in daily life and as part of culture. It develops the student's knowledge and appreciation of the visual art of our time and of the past. Projects allow discoveries through limited activities with various media. This course is designed primarily for non-majors; majors may receive elective credit only. (C-ID: ARTH 100) (UC, CSU, AVC)

ART 103 HISTORY OF ART: AFRICA, OCEANIA AND INDIGENOUS NORTH AMERICA

3 Units

Total Course Lecture Hours 54

A survey of art created in selected regions in Africa, Oceania, and the indigenous North America. Through slide lectures and class discussions, the course examines functions and meanings of visual art and architecture within their religious, social, historical, and cultural contexts. (C-ID: ARTH 140) (UC, CSU, AVC)

ART 104 HISTORY OF MODERN AND CONTEMPORARY ART IN THE 20TH CENTURY

3 Units

Total Course Lecture Hours 54

A survey of Western art produced in the 20th century presented through lectures and class discussion. Beginning with an overview of visual art in Europe in the 19th century, the course is geared towards the examination of philosophies and visual characteristics of modern art in the first half of the 20th century such as Fauvism, Cubism, Futurism, and Surrealism. The investigation will continue with the development of contemporary art after World War II covering art movements such as Abstract Expressionism, Pop Art, Minimalism, and Conceptualism. In the late 20th century, issues of race, gender, identity, and globalization in visual art take the center stage. Students will develop writing, analytical, and critical thinking skills through the analyses of paintings, sculptures, and non-traditional media in art. (C-ID: ARTH 150) (UC, CSU, AVC)

ART 106 HISTORY OF ART: ASIA

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 or placement by multiple measures.*

A survey of art created in the non-Western traditions including India, Southeast Asia, China, Korea, and Japan. Through slide lectures and class discussions, the course examines functions and meanings of visual art and architecture within their religious, social, historical, and cultural contexts. Students will develop visual, analytical, and critical thinking skills by examining the arts of these cultures individually as well as comparatively. (C-ID: ARTH 130) (UC, CSU, AVC)

ART 110 DRAWING

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Instructional materials fee *required for this course and must be paid at registration.*
This is a beginning-level investigation of the theories and material approaches related to drawing as a creative endeavor and cultural practice. Projects focus on how perceptually based drawing generates creative and conceptual responses to the visual environment. Students in this course will sharpen their observational skills in order to critically engage with broader issues relating to the arts, culture, and society. Students may have to purchase additional supplies not provided by the college. (C-ID: ARTS 110) (UC, CSU, AVC)

ART 113 PAINTING I

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Instructional materials fee *required for this course and must be paid at registration.*
An introductory course to the theoretical principles, material elements, and cultural practices of painting. Emphasis is placed on exploration of paint media, development of perceptual skills, color theory, and techniques in mixing and application. Projects explore conceptual development and establish awareness about historical practices in painting. Students may have to purchase additional supplies not provided by the college. (C-ID: ARTS 210) (UC, CSU, AVC)

ART 116 ILLUSTRATION

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of ART 110 or ART 145.*
Instructional materials fee *required for this course and must be paid at registration.*
Introduction to basic principles, theories, and techniques of traditional illustration for commercial art applications. Projects emphasize the application of design elements, art principles, conceptual development, and effective visual communication using a variety of illustration media. Students may have to purchase additional supplies not provided by the college.

ART 120 INTRODUCTION TO PRINTMAKING

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Instructional materials fee *required for this course and must be paid at registration.*
This course introduces the basic materials, equipment, and processes of printmaking, including relief, intaglio, and planographic processes. Students will develop a technical understanding of each process through projects that emphasize self-directed content and application of design fundamentals. Projects emphasize integrating content with form and exploring the printed image's unique relationship to history and culture. Students may have to purchase additional supplies not provided by the college. (UC, CSU, AVC)

ART 121 DIGITAL ART AND DRAWING

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Completion of DM 101.*
Prerequisite: *Completion of ART 110.*
This course provides the student with an introduction to the basic principles, theories, and techniques in digital art and drawing by using the computer as an artistic tool. Projects emphasize composition, skill and conceptual development, and individual interpretation. Students further their knowledge and application of the elements of design and the principles of art that are essential to all art forms. Students may have to purchase additional supplies not provided by the college. (UC, CSU, AVC)

ART 132 INTRODUCTION TO CERAMICS: HAND-BUILDING

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Instructional materials fee *required for this course and must be paid at registration.*
Students are introduced to ceramic hand building techniques. Lecture/discussion covers the history and background of hand building techniques, such as pinch pots, coil and slab construction, extruding and glazing with clay. The history and construction techniques will be discussed. Develops student's understanding and application of the principles of art and the elements of design as demonstrated in ceramic art forms from both a historical and contemporary perspective. Students may have to purchase additional supplies not provided by the college. (UC, CSU, AVC)

ART 135 BEGINNING WHEEL-THROWN CERAMICS

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Instructional materials fee *required for this course and must be paid at registration.*
This course introduces students to pottery facilities, the basic technology of clay, glazes, and firing. Projects introduce basic hand-building techniques and the potter's wheel. Students in this course will learn to apply the principles of art and elements of design from past and present cultures within the context of the ceramic art form. Students may have to purchase additional supplies not provided by the college. (UC, CSU, AVC)

ART 136 INTERMEDIATE WHEEL-THROWN CERAMICS

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of ART 135.*
Instructional materials fee *required for this course and must be paid at registration.*
A continuation of ART 135 in developing skills using the potter's wheel to create work that incorporates hand-building techniques and clay technologies of glazing and firing. Provides students with an understanding of the principles of art and elements of design from past and present cultures within the context of the ceramic art form. Students may have to purchase additional supplies not provided by the college. (UC, CSU, AVC)

ART 137 ADVANCED WHEEL-THROWN CERAMICS

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of ART 135.*
Instructional materials fee *required for this course and must be paid at registration.*
This course is designed to advance students' skills in hand-building techniques, the potter's wheel, and the technologies of clay, glazing, and firing. Projects include designing functional wheel-thrown forms and studying ceramic materials for clay and glaze experimentation. Students will deepen their content in ceramics by understanding and incorporating the principles of art and elements of design from past and present cultures. Students may have to purchase additional supplies not provided by the college. (UC, CSU, AVC)

ART 140 WATERCOLOR

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Instructional materials fee *required for this course and must be paid at registration.*
An introductory course in the techniques, tools and materials used to create watercolor paintings. Emphasis is placed on using watercolor media to create clearly conceived and designed visual statements. This course also explores the historical and contemporary applications of watercolor and its use as a communicative medium across different cultures. Students may have to purchase additional supplies not provided by the college. (UC, CSU, AVC)

ART 145 2-D DESIGN BASICS

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Instructional materials fee *required for this course and must be paid at registration.*
An introduction to the theory and application of art principles and design elements common to all visual art forms. Students will solve 2-dimensional visual problems using traditional and digital media. The course will explore the application of design elements and art principles from the beginning of art history to contemporary trends. Students may have to purchase additional supplies not provided by the college. (C-ID: ARTS 100) (UC, CSU, AVC)

ART 150 3-D DESIGN BASICS

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Instructional materials fee *required for this course and must be paid at registration.*
An introduction to the application and theory of design elements and art principles common to all visual art forms. Students will solve 3-dimensional visual problems using a variety of mixed-media. The course will explore composition from the beginning of Art History to contemporary trends. Students may have to purchase additional supplies not provided by the college. (C-ID: ARTS 101) (UC, CSU, AVC)

ART 163 PAINTING II

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of ART 113.*
Instructional materials fee *required for this course and must be paid at registration.*
An intermediate-level investigation of the theoretical principles, material approaches, and cultural practices related to painting as a creative expression. Projects emphasize complex subject matter, concept-driven work, and individual creative development. Students in this course will build on the fundamentals of painting to sharpen their perceptual skills, exercise formal concepts, and critically engage with historic and contemporary practices in painting. Instructional materials fee required for this course and must be paid at registration. Students may have to purchase additional supplies not provided by the college. (UC, CSU, AVC)

ART 170 DRAWING II

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of ART 110.*
Instructional materials fee *required for this course and must be paid at registration.*
This is an intermediate-level investigation of the theoretical principles, material approaches, and cultural practices related to drawing as a creative expression. Projects emphasize the elements of 2-dimensional composition as a means for developing complex subject matter, concept-driven work, and individual creative development. Students in this course will build on the fundamentals of drawing to sharpen their perceptual skills, exercise formal concepts, and critically engage with historic and contemporary practices. Students may have to purchase additional supplies not provided by the college. (UC, CSU, AVC)

ART 210 DRAWING III

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of ART 110 or ART 216*
Instructional materials fee *required for this course and must be paid at registration.*
This is an advanced-level investigation of the theoretical principles, material approaches, and cultural practices related to drawing as a creative expression. Projects emphasize student-driven research and cultivate conceptually driven creative practices and methods. Students will use deep investigation of drawing fundamentals to develop a cohesive body of work in dialog with specific historical and contemporary approaches to drawing. Students may have to purchase additional supplies not provided by the college. (C-ID: ARTS 205) (UC, CSU, AVC)

ART 213 PAINTING III

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of ART 113.*
Instructional materials fee *required for this course and must be paid at registration.*
An advanced investigation of the theoretical principles, material elements, and cultural practices of painting. Projects emphasize student-driven research and cultivate conceptually driven creative practices and methods. Students will use deep investigation of painting fundamentals to develop a cohesive body of work in dialog with specific historical and contemporary approaches to painting. Students may have to purchase additional supplies not provided by the college. (UC, CSU, AVC)

ART 216 FIGURE DRAWING

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Instructional materials fee *required for this course and must be paid at registration.*
This is a beginning-level investigation of the theories and techniques of drawing the human figure from observation using a variety of media. Projects include an introduction to human anatomy and will explore how images of the human figure have been structured by various historical, cultural, and contemporary visual practices. Students in this course will apply the visual elements and principles of design to create both perceptual and interpretative images of the human figure. Students may have to purchase additional supplies not provided by the college. (C-ID: ARTS 200) (UC, CSU, AVC)

ART 298 SPECIAL STUDIES IN ART

1-3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Limitation on Enrollment: *Instructor approval of portfolio/study plan/interview prior to enrollment only.*
Individual study or visual research projects in techniques, styles, genres, skills development, or other issues relating to the field of visual arts. Attendance and periodic student/instructor conferences required. Content and unit credit to be determined by student/instructor conferences and/or department. Students may have to purchase additional supplies not provided by the college. (CSU, AVC)

ARTH C1100 SURVEY OF ART FROM PREHISTORY TO THE MEDIEVAL ERA

3 Units
Total Course Lecture Hours 54
This course introduces students to visual art and architecture from prehistory to the medieval era with a focus on art from Europe, North Africa, and the near East. The course will further consider global interactions involving these regions.

ARTH C1100 is survey of paintings, sculpture and architecture in the Western tradition, starting from human beginnings until 1300. Slide lectures examine functions and meanings of artworks from ancient civilizations in Mesopotamia, Egypt, Greece, and Rome. In the latter part of the course, Late Antiquity, Byzantine, Early Medieval, Romanesque and Gothic Arts will be discussed according to their aesthetic, socio-political, religious, historical, technological, and cultural contexts. Formerly ART 101 (C-ID: ARTH 110) (UC, CSU, AVC)

ARTH C1100H SURVEY OF ART FROM PREHISTORY TO THE MEDIEVAL ERA – HONORS

3 Units
Total Course Lecture Hours 54
This course introduces students to visual art and architecture from prehistory to the medieval era with a focus on art from Europe, North Africa, and the near East. The course will further consider global interactions involving these regions. This is an honors course.

The course is survey of paintings, sculpture and architecture in the Western tradition, starting from human beginnings until 1300; it examines functions and meanings of art and architecture within historical, socio-political, aesthetic, cultural, technological and philosophical contexts of the regions. Slide lectures and class discussions examine functions and meanings of artworks from ancient civilizations in Mesopotamia, Egypt, Greece, and Rome. In the latter part of the course, Late Antiquity, Byzantine, Early Medieval, Romanesque and Gothic Arts will be discussed.

The honors course provides contents that requires greater intensity and in-depth of study than the non-honors class. Honors enhancements include:

1. Reading scholarly journals and visual analysis of original artworks (as real objects or virtually through digital collections).
2. Analysis of the broader ethical, political, curatorial issues surrounding the art historical practice of ancient and medieval arts.
3. Oral presentation of research findings and critical thinking interaction in a seminar-style discussion.
4. Writing a research paper.

Formerly ART 101H (C-ID: ARTH 110H) (UC, CSU, AVC)

Note: Students may take either ARTH C1100 Survey of Art from Prehistory to the Medieval Era or ARTH C1100H Survey of Art from Prehistory to the Medieval Era - Honors. Duplicate credit will not be awarded. This honors course is intended for students in the Honors Transfer Program.

ARTH C1200 SURVEY OF ART FROM THE RENAISSANCE TO CONTEMPORARY

3 Units

Total Course Lecture Hours 54

This course provides an overview of art and architecture from the Renaissance to the contemporary period with a focus on art from Europe. The course will further consider global interactions involving this region. Formerly ART 102 (UC, CSU, AVC)

ARTH C1200H SURVEY OF ART FROM THE RENAISSANCE TO CONTEMPORARY – HONORS

3 Units

Total Course Lecture Hours 54

This course provides an overview of art and architecture from the Renaissance to the contemporary period with a focus on art from Europe. The course will further consider global interactions involving this region. This is an honors course.

The course is a survey of paintings, sculptures and architecture in the Western tradition, starting from the Renaissance period; it examines functions and meanings of artworks within historical, socio-political, aesthetic, cultural, religious contexts. Slide lectures and class discussions analyze major developments in art and how they reflect the concerns, value and philosophy of its time.

The honors course requires greater intensity and in-depth of study than the non-honors class. Honors enhancements include:

1. Reading scholarly journals and visual analysis of original artworks (as real objects or virtually through digital collections).
2. Analysis of the broader ethical, political, curatorial issues surrounding the art historical practice concerning arts from the Renaissance period onwards.
3. Oral presentation of research findings and critical thinking interaction in a seminar-style discussion.
4. Writing a research paper.

Formerly ART 102H (UC, CSU, AVC)

Note: Students may take either ARTH C1200 Survey of Art from the Renaissance to Contemporary or ARTH C1200H Survey of Art from the Renaissance to Contemporary - Honors. Duplicate credit will not be awarded. This honors course is intended for students in the Honors Transfer Program.

Department Description

Artificial Intelligence Education (AIED) is an interdisciplinary discipline focused on the practical, ethical, and accessible use of artificial intelligence across educational, professional, and everyday contexts. The department is designed for a broad audience, including educators, students, office professionals, and community members, with no technical or programming background required. AIED courses emphasize hands-on engagement with contemporary AI tools to support creativity, productivity, accessibility, and informed decision-making, while grounding learners in foundational concepts such as ethical use, academic integrity, bias, and transparency.

The AIED curriculum offers a structured pathway beginning with an introduction to AI for everyday use and advancing into specialized applications for students, K-12 educators, college faculty, office professionals, and learners interested in building personal AI workflows and automations. Through project-based learning and real-world scenarios, students develop practical skills that can be immediately applied in classrooms, workplaces, and personal settings. The Artificial Intelligence Education discipline supports workforce preparation, digital literacy, and lifelong learning by equipping learners with the knowledge and tools needed to responsibly integrate AI into modern educational and professional environments.

Program Learning Outcomes

Artificial Intelligence Education Certificate (Noncredit)

1. Demonstrate a foundational understanding of AI technologies.
2. Integrate AI into educational practices.
3. Enhance teaching and monitoring capabilities.
4. Apply AI for creative and ethical considerations.
5. Improve office productivity with AI.
6. Develop personal AI automations.

Associate Degree

Associate Degree not available.

Certificate Programs

Artificial Intelligence Education Certificate (Noncredit)

The Certificate in Artificial Intelligence Education is designed to provide learners with a comprehensive understanding of AI technologies and their practical applications across various domains. This program includes courses that cover the fundamentals of AI, its use in education, creative and ethical considerations, office productivity, and personal automation. Whether you are an educator, student, office professional, or simply interested in AI, this certificate will equip you with the knowledge and skills to effectively integrate AI into your daily activities and professional practices.

Program Requirements
Artificial Intelligence Education Certificate (Noncredit) (Total 108 - 162)
Complete all of the following

Core Course (Total 54)

Complete the following number of hours: 54	**Hours**
AIED 900 - Introduction to AI for Everyday Use	54

Program Electives (Total 54-108)
Complete all of the following

AIED 905 - AI for Students: Creativity, Ethics, and Efficiency	54
AIED 910 - AI for Educators: Curriculum Design & Student Oversight	54
AIED 915 - AI for College Faculty: Enhancing Teaching & Monitoring Use	54
AIED 920 - AI for the Office: Emails, Scheduling, and Document Workflows	54
AIED 930 - AI Agents & Workflows: Building Personal Automations	54

Recommended Pathway

Term 1	**Hours**
AIED 900 - Introduction to AI for Everyday Use	54
	Total 54
Term 2	
Program Electives (see list)	54
	Total 54
Term 3	
AIED 930 - AI Agents & Workflows: Building Personal Automations	54
	Total 54
	Certificate Total 162

Artificial Intelligence Education Noncredit Courses

AIED 900 INTRODUCTION TO AI FOR EVERYDAY USE

0 Units

Total Course Lecture Hours 54

This foundational course introduces learners to the world of artificial intelligence (AI) in a practical, accessible way. Participants will explore what AI is, how it's used in everyday tools, and how to engage with it responsibly. No technical background is required. The course emphasizes hands-on exploration of free or low-cost AI tools to support creativity, productivity, and ethical decision-making. (R unlimited)

AIED 905 AI FOR STUDENTS: CREATIVITY, ETHICS, AND EFFICIENCY

0 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of AIED 900.*

This course introduces students to AI tools that support creativity, learning, and productivity. Learners will explore how to use AI for writing, brainstorming, and research while understanding ethical boundaries. The course includes hands-on practice with tools and strategies for responsible use. (R unlimited)

AIED 910 AI FOR EDUCATORS: CURRICULUM DESIGN & STUDENT OVERSIGHT

0 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of AIED 900.*

This course empowers K-12 educators and college professors to integrate AI into their teaching practice and monitor student use effectively. Participants will explore AI tools for lesson planning, classroom engagement, and accessibility. The course also addresses ethical oversight, plagiarism detection, and classroom norms for responsible AI use. (R unlimited)

AIED 915 AI FOR COLLEGE FACULTY: ENHANCING TEACHING & MONITORING USE

0 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of AIED 900.*

Designed for higher education faculty, this course explores how AI can support curriculum development, research, and student engagement. Faculty will learn to use AI tools for writing support, accessibility, and oversight of student use. The course includes strategies for ethical integration and academic integrity. (R unlimited)

AIED 920 AI FOR THE OFFICE: EMAILS, SCHEDULING, AND DOCUMENT WORKFLOWS

0 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of AIED 900.*

This course helps educational staff and general office workers use AI to streamline repetitive tasks. Participants will learn to automate email drafting, scheduling, document formatting, and data entry using free or low-cost tools. Accessibility features are also covered to support inclusive work environments. (R unlimited)

AIED 930 AI AGENTS & WORKFLOWS: BUILDING PERSONAL AUTOMATIONS

0 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of AIED 900 and completion of one of the following: AIED 905 or AIED 910 or AIED 915 or AIED 920.*

This advanced course introduces learners to AI agents and workflow automation. Participants will explore AI tools with custom instructions to build personalized systems that support their work or learning. The course is project-based and open-ended, allowing learners to design solutions that meet their unique needs. (R unlimited)

Department Description

Astronomy is perhaps the oldest science that investigates the fundamental physical and chemical laws that govern our solar system, universe, and all of nature.

The astronomy courses are designed to meet the general education and major transfer requirements for the physical sciences.

Traditional teaching may be supplemented with computer and Internet-based instruction. Laboratory activities provide "hands-on" experimentation and discovery into the natural, physical and chemical characteristics of the earth and our universe.

Computer-based data acquisition and analysis may assist in some lab instruction.

Certificate Program

Certificate not applicable.

Associate Degree

Associate degree not available.

Astronomy Courses

ASTR C1001 INTRODUCTION TO ASTRONOMY

3 Units

Total Course Lecture Hours 54

This course introduces fundamental concepts of astronomy, including the Solar System, stars, supernovae, galaxies, black holes, and the expanding universe. Students learn how to study the cosmos and what the latest discoveries reveal about the origins and fate of the universe. Formerly ASTR 101 (UC, CSU, AVC)

ASTR C1001H INTRODUCTION TO ASTRONOMY – HONORS

3 Units

Total Course Lecture Hours 54

This course introduces fundamental concepts of astronomy, including the Solar System, stars, supernovae, galaxies, black holes, and the expanding universe. Students learn how to study the cosmos and what the latest discoveries reveal about the origins and fate of the universe. This is an honors course.

The honors course, intended for students in the Honors Transfer Program, provides more content and requires greater intensity and depth of study than the non-honors class. In addition to the requirements of the non-honors course, honors students complete advanced scholarly reading, independent research on a contemporary astronomy topic, formal written analysis, and oral presentation. Honors work emphasizes deeper investigation of astronomical evidence, interpretation of scientific literature and data, and communication of scientific conclusions to an academic audience. Formerly ASTR 101H (UC, CSU, AVC) Note: Students may take either ASTR C1001 (Introduction to Astronomy) or ASTR C1001H (Introduction to Astronomy - Honors). Duplicate credit will not be awarded.

ASTR C1001L INTRODUCTION TO ASTRONOMY LAB

1 Unit

Total Course Lab Hours 54

Prerequisite: *Completion of or concurrent enrollment in ASTR C1001 or ASTR C1001H or other locally approved astronomy lecture course.*

This laboratory course reinforces fundamental principles and concepts of astronomy by applying the scientific method through experiments, observations, and/or simulations. Formerly ASTR 101L (UC, CSU, AVC)

Department Description
The athletic training program provides course work that emphasizes prevention, management and treatment of sports injuries. Rehabilitation and fitness are also addressed in the program. The program prepares students for transfer to a four-year college program to prepare for employment as an athletic trainer.

Certificate Program
Certificate not applicable.

Associate Degree
Associate degree not available.

Athletic Training Courses

ATH 100 INTRODUCTION TO ATHLETIC TRAINING
3 Units
Total Course Lecture Hours 54
The course introduces the role of the athletic trainer and concepts of sports medicine. Students will learn prevention, evaluation and treatment for athletic injuries. The course will provide an introduction to both the orthopedic assessment and management process as well as basics of biomechanics and ethical issues in the Athletic Training profession. (CSU, AVC)

ATH 102 PRACTICAL APPLICATIONS OF ATHLETIC TRAINING I
3 Units
Total Course Lecture Hours 54
Prerequisite: *Completion of ATH 100.*
Corequisite: *Concurrent enrollment in ATH 102L.*
The course includes practice as an athletic training student under the supervision of a certified athletic trainer. Students learn to assess, evaluate, treat and rehabilitate common injuries in realistic settings. Safety, legal and ethical issues are addressed. The lecture portion of this class will discuss the basics of orthopedic assessment of common injuries. (CSU, AVC)

ATH 102L PRACTICAL APPLICATIONS OF ATHLETIC TRAINING I LAB
4 Units
Total Course Lab Hours 216
Prerequisite: *Completion of ATH 100 and Completion of or concurrent enrollment in ATH 102.*
The course includes practice as an athletic trainer trainee under the supervision of a certified athletic trainer. Students learn to assess, evaluate, treat and rehabilitate common sports injuries in realistic settings for fall sports. Safety, legal and ethical issues are addressed. The course provides hours for a Certified Athletic Trainer to fulfill requirements toward certification by a nationally recognized association. (CSU, AVC) (R3)

ATH 103 PRACTICAL APPLICATIONS OF ATHLETIC TRAINING II
3 Units
Total Course Lecture Hours 54
Prerequisite: *Completion of ATH 100.*
Corequisite: *Concurrent enrollment in ATH 103L.*
The course includes the theoretical basis for practice as an athletic training student under the supervision of a certified athletic trainer. Students learn to assess, treat, and rehabilitate common injuries in realistic settings. Therapeutic interventions will be specifically addressed. Safety, legal and ethical issues are addressed. (CSU, AVC)

ATH 103L PRACTICAL APPLICATIONS OF ATHLETIC TRAINING II LAB
4 Units
Total Course Lab Hours 216
Prerequisite: *Completion of ATH 100 and completion of or concurrent enrollment in ATH 103.*
The course includes practice as an athletic trainer trainee under the supervision of a certified athletic trainer. Students learn to assess, evaluate, treat and rehabilitate common sports injuries in realistic settings for spring sports. Safety, legal and ethical issues are addressed. (CSU, AVC) (R3)

Department Description

The Auto Body program is a vocational program designed to provide entry-level pre-employment instruction and hands-on skills and technical entry-level knowledge of modern auto body shop procedures. The program consists of 3 main components: auto collision repair, automotive refinishing, and a combination of both, which is highly recommended. Students are taught in a facility that is equipped with the same modern state-of-the-art equipment and tools used in top-notch auto body shops of today. Students are trained on actual collision-damaged vehicles and engage in industry-like procedures that range from estimating damage through collision repair, refinishing, and detail for delivery.

Program Learning Outcomes

Automotive Collision Repair Specialist Cert & AS

1. Analyze, evaluate, and apply critical aspects of the collision repair industry related to safe work practices, standards and tolerances, standard employer practices. Proper use of tools power equipment, hazardous materials and personal protective equipment.
2. Use oxyacetylene, MIG (metal inert gas) and plasma arc welding/cutting equipment to join automotive sheet metal/ structure panels in a variety of joints/configurations common to automobile body construction.
3. Evaluate, analyze and repair damaged automotive body panels/structures using body solder, fiberglass and plastic composite materials.

Automotive Refinishing Specialist Cert & AS

1. Analyze, evaluate, and apply critical aspects of the collision repair industry related to safe work practices, standards and tolerances, standard employer practices. Proper use of tools power equipment, hazardous materials and personal protective equipment.
2. Use, read and properly interpret standard specifications for production-type spray equipment, coating materials, masking materials and color matching procedures.
3. Evaluate, analyze, and prepare, mask and spray automotive panel(s) using current technology paint coatings to industry standards.
4. Evaluate, analyze, color-sand and final detail a vehicle for customer delivery to industry standard.

Automotive Collision Repair and Refinishing Specialist Cert & AS

1. Analyze, evaluate, and apply critical aspects of the collision repair industry related to safe work practices, standards and tolerances, standard employer practices. Proper use of tools power equipment, hazardous materials and personal protective equipment.
2. Use oxyacetylene, MIG (metal inert gas) and plasma arc welding/cutting equipment to join automotive sheet metal/ structural panels in a variety of joints/configurations common to automobile body construction.
3. Evaluate, analyze and repair damaged automotive body panels/structures using body solder, fiberglass and plastic composite materials.
4. Use, read and properly interpret standard specifications for production-type spray equipment, coating materials, masking materials and color matching procedures.
5. Evaluate, analyze, and prepare, mask and spray automotive panel(s) using current technology paint coatings to industry standards.
6. Evaluate, analyze, color-sand and final detail a vehicle for customer delivery to industry standard.

Certificate Programs

Automotive Collision Repair Specialist Cert

The program has three main components: 1) auto collision repair; 2) automotive refinishing; and 3) a combination of both, which is highly recommended.

Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
Automotive Collision Repair Specialist Cert (Total 30)
Complete the following number of units: 30
Required Courses - Choose Option 1 or Option 2 (Total 30)
Required Courses - Option 1 (Total 30)

Complete all of the following	**Units**
ABDY 115 - Basic Auto Body Repair	10
ABDY 125 - Basic Automotive Refinishing	10
ABDY 215 - Advanced Auto Collision Repair	10

Required Courses - Option 2 (Total 30)

Complete all of the following	
ABDY 112 - Basic Auto Body Repair	5
ABDY 113 - Basic Auto Body Repair	5
ABDY 122 - Basic Automotive Refinishing	5
ABDY 123 - Automotive Refinishing	5
ABDY 212 - Advanced Auto Collision Repair I	5
ABDY 213 - Advanced Auto Collision Repair II	5

Recommended Pathway Day Sequence

Term 1	**Units**
ABDY 115 - Basic Auto Body Repair	10
	Total 10
Term 2	
ABDY 125 - Basic Automotive Refinishing	10
	Total 10
Term 3	
ABDY 215 - Advanced Auto Collision Repair	10
	Total 10
	Certificate Total 30

Recommended Pathway Night Sequence

Term 1	**Units**
ABDY 112 - Basic Auto Body Repair	5
ABDY 122 - Basic Automotive Refinishing	5
	Total 10
Term 2	
ABDY 113 - Basic Auto Body Repair	5
ABDY 212 - Advanced Auto Collision Repair I	5
	Total 10
Term 3	
ABDY 123 - Automotive Refinishing	5
ABDY 213 - Advanced Auto Collision Repair II	5
	Total 10
	Certificate Total 30

Automotive Refinishing Specialist Cert

The program has three main components: 1) auto collision repair; 2) automotive refinishing; and 3) a combination of both, which is highly recommended.

Students must receive a minimum grade of c or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
Auto Refinishing Spec Cert (Total 30)
Complete the following number of units: 30
Required Courses - Choose Option 1 or Option 2 (Total 30)
Required Courses - Option 1 (Total 30)

Complete all of the following	Units
ABDY 115 - Basic Auto Body Repair	10
ABDY 125 - Basic Automotive Refinishing	10
ABDY 225 - Advanced Automotive Refinishing	10

Required Courses - Option 2 (Total 30)
Complete all of the following

ABDY 112 - Basic Auto Body Repair	5
ABDY 113 - Basic Auto Body Repair	5
ABDY 122 - Basic Automotive Refinishing	5
ABDY 123 - Automotive Refinishing	5
ABDY 222 - Advanced Automotive Refinishing I	5
ABDY 223 - Advanced Automotive Refinishing II	5

Recommended Pathway
Day Sequence

Term 1	Units
ABDY 115 - Basic Auto Body Repair	10
	Total 10
Term 2	
ABDY 125 - Basic Automotive Refinishing	10
	Total 10
Term 3	
ABDY 225 - Advanced Automotive Refinishing	10
	Total 10
	Certificate Total 30

Recommended Pathway
Night Sequence

Term 1	Units
ABDY 112 - Basic Auto Body Repair	5
ABDY 122 - Basic Automotive Refinishing	5
	Total 10
Term 2	
ABDY 113 - Basic Auto Body Repair	5
ABDY 222 - Advanced Automotive Refinishing I	5
	Total 10
Term 3	
ABDY 123 - Automotive Refinishing	5
ABDY 223 - Advanced Automotive Refinishing II	5
	Total 10
	Certificate Total 30

Automotive Collision Repair and Refinishing Specialist Cert

A certificate in Automotive Collision Repair and Refinishing Specialist may be earned by completing the requirements for the Automotive Collision Repair Specialist and the Automotive Refinishing Specialist. Duplicate courses need only be taken once. The requirements for an associate degree may be satisfied by completing the certificate requirements in addition to the associate degree requirements.

Program Requirements
Automotive Collision Repair and Refinishing Specialist Cert (Total 40)
Complete the following number of units: 40
Required Courses - Choose Option 1 or Option 2 (Total 40)
Required Courses - Option 1 (Total 40)

Complete all of the following	Units
ABDY 115 - Basic Auto Body Repair	10
ABDY 125 - Basic Automotive Refinishing	10
ABDY 215 - Advanced Auto Collision Repair	10
ABDY 225 - Advanced Automotive Refinishing	10

Required Courses - Option 2 (Total 40)
Complete all of the following

ABDY 112 - Basic Auto Body Repair	5
ABDY 113 - Basic Auto Body Repair	5
ABDY 122 - Basic Automotive Refinishing	5
ABDY 123 - Automotive Refinishing	5
ABDY 212 - Advanced Auto Collision Repair I	5
ABDY 213 - Advanced Auto Collision Repair II	5
ABDY 222 - Advanced Automotive Refinishing I	5
ABDY 223 - Advanced Automotive Refinishing II	5

Recommended Pathway
Day Sequence

Term 1	Units
ABDY 115 - Basic Auto Body Repair	10
	Total 10
Term 2	
ABDY 125 - Basic Automotive Refinishing	10
	Total 10
Term 3	
ABDY 215 - Advanced Auto Collision Repair	10
	Total 10
Term 4	
ABDY 225 - Advanced Automotive Refinishing	10
	Total 10
	Certificate Total 40

Recommended Pathway
Night Sequence

Term 1	Units
ABDY 112 - Basic Auto Body Repair	5
ABDY 122 - Basic Automotive Refinishing	5
	Total 10
Term 2	
ABDY 113 - Basic Auto Body Repair	5
ABDY 123 - Automotive Refinishing	5
	Total 10
Term 3	
ABDY 212 - Advanced Auto Collision Repair I	5
ABDY 222 - Advanced Automotive Refinishing I	5
	Total 10
Term 4	
ABDY 213 - Advanced Auto Collision Repair II	5
ABDY 223 - Advanced Automotive Refinishing II	5
	Total 10
	Certificate Total 40

Associate Degrees

Automotive Collision Repair Specialist AS

Students who complete the associate degree have enhanced employability in the field of the auto collision industry. They have enhanced promotional opportunities as a cost estimator, insurance adjustor or shop supervisor. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Auto Collision Repair Specialist AS (Total 30)
Complete the following number of units: 30
Required Courses - Choose Option 1 or Option 2 (Total 30)
Required Courses - Option 1 (Total 30)

Complete all of the following	**Units**
ABDY 115 - Basic Auto Body Repair	10
ABDY 125 - Basic Automotive Refinishing	10
ABDY 215 - Advanced Auto Collision Repair	10

Required Courses - Option 2 (Total 30)
Complete all of the following

ABDY 112 - Basic Auto Body Repair	5
ABDY 113 - Basic Auto Body Repair	5
ABDY 122 - Basic Automotive Refinishing	5
ABDY 123 - Automotive Refinishing	5
ABDY 212 - Advanced Auto Collision Repair I	5
ABDY 213 - Advanced Auto Collision Repair II	5

Recommended Pathway
Day Sequence

Term 1	**Units**
ABDY 115 - Basic Auto Body Repair	10
AVC GE Area 1A (ENGL C1000)	4
	Total 14
Term 2	
ABDY 125 - Basic Automotive Refinishing	10
AVC GE Area 1B	3
AVC GE Area 2	3
	Total 16
Term 3	
ABDY 215 - Advanced Auto Collision Repair	10
AVC GE Area 4	3
General Elective	2
	Total 15
Term 4	
AVC GE Area 6	3
AVC GE Area 3	3
General Elective	3
AVC GE Area 5	3
General Elective	3
	Total 15
	Degree Total 60

Recommended Pathway
Night Sequence

Term 1	**Units**
ABDY 112 - Basic Auto Body Repair	5
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 2	3
General Elective	3
	Total 15
Term 2	
ABDY 113 - Basic Auto Body Repair	5
ABDY 122 - Basic Automotive Refinishing	5
ABDY 212 - Advanced Auto Collision Repair I	5
	Total 15
Term 3	
ABDY 123 - Automotive Refinishing	5
ABDY 213 - Advanced Auto Collision Repair II	5
AVC GE Area 5	3
General Elective	2
	Total 15
Term 4	
AVC GE Area 6	3
AVC GE Area 4	3
AVC GE Area 1B	3
AVC GE Area 3	3
General Elective	3
	Total 15
	Degree Total 60

Automotive Refinishing Specialist AS

Students who complete the associate degree have enhanced employability in the field of the auto collision industry. They have enhanced promotional opportunities as a cost estimator, insurance adjustor or shop supervisor. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Auto Refinishing Specialist AS (Total 30)
Complete the following number of units: 30
Required Courses - Choose Option 1 or Option 2 (Total 30)
Required Courses - Option 1 (Total 30)

Complete all of the following	**Units**
ABDY 115 - Basic Auto Body Repair	10
ABDY 125 - Basic Automotive Refinishing	10
ABDY 225 - Advanced Automotive Refinishing	10

Required Courses - Option 2 (Total 30)
Complete all of the following

ABDY 112 - Basic Auto Body Repair	5
ABDY 113 - Basic Auto Body Repair	5
ABDY 122 - Basic Automotive Refinishing	5
ABDY 123 - Automotive Refinishing	5
ABDY 222 - Advanced Automotive Refinishing I	5
ABDY 223 - Advanced Automotive Refinishing II	5

Recommended Pathway Day Sequence	
Term 1	**Units**
ABDY 115 - Basic Auto Body Repair	10
AVC GE Area 1A (ENGL C1000)	4
	Total 14
Term 2	
ABDY 125 - Basic Automotive Refinishing	10
AVC GE Area 1B	3
AVC GE Area 2	3
	Total 16
Term 3	
ABDY 225 - Advanced Automotive Refinishing	10
AVC GE Area 5	3
General Elective	2
	Total 15
Term 4	
AVC GE Area 4	3
General Elective	3
AVC GE Area 6	3
AVC GE Area 3	3
General Elective	3
	Total 15
	Degree Total 60

Recommended Pathway Night Sequence	
Term 1	**Units**
ABDY 112 - Basic Auto Body Repair	5
ABDY 122 - Basic Automotive Refinishing	5
AVC GE Area 1A (ENGL C1000)	4
General Elective	2
	Total 16
Term 2	
ABDY 113 - Basic Auto Body Repair	5
ABDY 123 - Automotive Refinishing	5
AVC GE Area 1B	3
AVC GE Area 2	3
	Total 16
Term 3	
ABDY 222 - Advanced Automotive Refinishing I	5
General Elective	3
AVC GE Area 3	3
AVC GE Area 4	3
	Total 14
Term 4	
ABDY 223 - Advanced Automotive Refinishing II	5
AVC GE Area 6	3
AVC GE Area 5	3
General Elective	3
	Total 14
	Degree Total 60

Automotive Collision Repair and Refinishing Specialist AS

Students who complete the associate degree have enhanced employability in the field of the auto collision industry. They have enhanced promotional opportunities as a cost estimator, insurance adjustor or shop supervisor. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Automotive Collision Repair and Refinishing Specialist AS (Total 40)
Complete the following number of units: 40
Required Courses - Choose Option 1 or Option 2 (Total 40)
Required Courses - Option 1 (Total 40)

Complete all of the following	**Units**
ABDY 115 - Basic Auto Body Repair	10
ABDY 125 - Basic Automotive Refinishing	10
ABDY 215 - Advanced Auto Collision Repair	10
ABDY 225 - Advanced Automotive Refinishing	10

Required Courses - Option 2 (Total 40)

Complete all of the following	
ABDY 112 - Basic Auto Body Repair	5
ABDY 113 - Basic Auto Body Repair	5
ABDY 122 - Basic Automotive Refinishing	5
ABDY 123 - Automotive Refinishing	5
ABDY 212 - Advanced Auto Collision Repair I	5
ABDY 213 - Advanced Auto Collision Repair II	5
ABDY 222 - Advanced Automotive Refinishing I	5
ABDY 223 - Advanced Automotive Refinishing II	5

Recommended Pathway Day Sequence	
Term 1	**Units**
ABDY 115 - Basic Auto Body Repair	10
AVC GE Area 1A (ENGL C1000)	4
	Total 14
Term 2	
ABDY 125 - Basic Automotive Refinishing	10
AVC GE Area 5	3
AVC GE Area 2	3
	Total 16
Term 3	
ABDY 215 - Advanced Auto Collision Repair	10
AVC GE Area 3	3
AVC GE Area 1B	3
	Total 16
Term 4	
ABDY 225 - Advanced Automotive Refinishing	10
AVC GE Area 6	3
AVC GE Area 4	3
	Total 16
	Degree Total 62

Recommended Pathway Night Sequence	
Term 1	**Units**
ABDY 112 - Basic Auto Body Repair	5
ABDY 122 - Basic Automotive Refinishing	5
AVC GE Area 1A (ENGL C1000)	4
	Total 14

Term 2

AVC GE Area 4	3
ABDY 113 - Basic Auto Body Repair	5
ABDY 123 - Automotive Refinishing	5
AVC GE Area 1B	3
Total	**16**

Term 3

ABDY 212 - Advanced Auto Collision Repair I	5
ABDY 222 - Advanced Automotive Refinishing I	5
AVC GE Area 5	3
AVC GE Area 2	3
Total	**16**

Term 4

ABDY 213 - Advanced Auto Collision Repair II	5
ABDY 223 - Advanced Automotive Refinishing II	5
AVC GE Area 3	3
AVC GE Area 6	3
Total	**16**
Degree Total	**62**

Auto Body Courses

ABDY 112 BASIC AUTO BODY REPAIR

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135
Intended for students interested in the collision repair industry. Introductory to intermediate topics will be covered. Topics will include safety, auto body equipment, basic auto body techniques, corrosion protection, and proper use of tools and equipment. (AVC)

ABDY 113 BASIC AUTO BODY REPAIR

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135
Prerequisite: *Completion of ABDY 112.*
A continuation of ABDY 112 with instruction and practice in resistance and Metal Inert Gas (MIG) welding on automotive panels; panel replacement and alignment; servicing vehicle doors and door glass; modern auto body construction. (AVC)

ABDY 115 BASIC AUTO BODY REPAIR

10 Units
Total Course Lecture Hours 90
Total Course Lab Hours 270
Intended for students interested in the collision repair industry. Introductory to intermediate topics will be covered. Topics will include: Safety, auto body equipment, basic auto body techniques, corrosion protection, proper use of tools and equipment. Completion of ABDY 115 is equivalent to the completion of both ABDY 112 and ABDY 113. (AVC)

ABDY 122 BASIC AUTOMOTIVE REFINISHING

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135
Intended for students interested in automotive refinishing techniques. Introductory to intermediate topics will be covered. Topics will include: safety, refinishing equipment, basic preparation and painting techniques, corrosion protection, and proper use of tools and equipment. (AVC)

ABDY 123 AUTOMOTIVE REFINISHING

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135
Prerequisite: *Completion of ABDY 122.*
Intended for students interested in automotive refinishing techniques. Introductory to intermediate topics will be covered. Topics will include: safety, refinishing equipment, basic preparation and painting techniques, corrosion protection, and proper use of tools and equipment. (AVC)

ABDY 125 BASIC AUTOMOTIVE REFINISHING

10 Units
Total Course Lecture Hours 90
Total Course Lab Hours 270
Intended for students interested in automotive refinishing techniques. Introductory to intermediate topics will be covered. Topics will include: safety, refinishing equipment, basic preparation and painting techniques, corrosion protection, proper use of tools and equipment. Completion of ABDY 125 is equivalent to the completion of both ABDY 122 and ABDY 123. (AVC)

ABDY 199 WORK EXPERIENCE EDUCATION

1-8 Units
Total Course Lab Hours 54-432
LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with supervising instructor for an individual orientation.*
Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the student's educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

ABDY 212 ADVANCED AUTO COLLISION REPAIR I

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135
Prerequisite: *Completion of ABDY 113 or ABDY 115.*
An advanced course in the theory and techniques of automotive collision repair. Course of study includes: resistance and Metal Inert Gas (MIG) welding of automotive sheet metals and structural members and an introduction to the repair of major collision damage. (AVC)

ABDY 213 ADVANCED AUTO COLLISION REPAIR II

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135
Prerequisite: *Completion of ABDY 212.*
An advanced course in the theory and techniques of automotive collision repair. Course of study includes: conventional and unitized frame repair and repair systems; replacement of automotive glass, trim, and moldings, and repair of major collision damage. (AVC)

ABDY 215 ADVANCED AUTO COLLISION REPAIR

10 Units
Total Course Lecture Hours 90
Total Course Lab Hours 270
Prerequisite: *Completion of ABDY 115.*
A continuation of ABDY 115. Intermediate to advanced automotive collision repair techniques will be covered. Topics will include: shop safety, Metal Inert Gas (MIG) welding, vehicle designs, frame designs, measuring structural damage, and suspension alignment. Completion of ABDY 215 is equivalent to the completion of both ABDY 212 and ABDY 213. (AVC)

ABDY 220 AUTO BODY ESTIMATING

5 Units
Total Course Lecture Hours 90
This course provides an in-depth understanding of the principles and practices involved in automotive body estimating. Students will learn how to accurately assess and evaluate damage to vehicle bodies, utilizing industry-standard tools and techniques. Topics covered include the identification of parts, labor costs, material pricing, and the use of estimating software. Additionally, the course will cover the preparation of repair cost estimates, insurance claims, and understanding the repair processes. Emphasis will be placed on critical thinking and the ability to provide precise and fair estimates to ensure effective communication with customers, insurance companies, and repair shops. Upon completion, students will be proficient in preparing automotive body repair estimates and will have a solid foundation for entering the automotive repair industry or pursuing related careers. (AVC)

ABDY 222 ADVANCED AUTOMOTIVE REFINISHING I

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135
Prerequisite: *Completion of ABDY 123 or ABDY 125.*
An advanced course in the theories and techniques of automotive refinishing. Course of study to include: spot, panel, and sectional refinishing of automotive surfaces; color tinting, color matching and blending of automotive paints; color sanding and polishing automotive surfaces. (AVC)

ABDY 223 ADVANCED AUTOMOTIVE REFINISHING II

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135
Prerequisite: *Completion of ABDY 222.*
Intended for students who are continuing their studies in automotive refinishing techniques. Intermediate to advanced topics will be covered. Topics will include: spot, panel, and complete refinishing of automotive surfaces; color tinting and color matching of automotive paints; prevention and cure of paint problems; final detailing of vehicle paint finishes. (AVC)

ABDY 225 ADVANCED AUTOMOTIVE REFINISHING

10 Units
Total Course Lecture Hours 90
Total Course Lab Hours 270
Prerequisite: *Completion of ABDY 125.*
Intended for students who are continuing their studies in automotive refinishing techniques. Intermediate to advanced topics will be covered. Topics will include: spot, panel, and complete refinishing of automotive surfaces; color tinting and color matching of automotive paints; prevention and cure of paint problems; final detailing of vehicle paint finishes. Completion of ABDY 225 is equivalent to the completion of both ABDY 222 and ABDY 223. (AVC)

Auto Body Non Credit Course

ABDY 900 ANTIQUE AND CLASSIC CAR RESTORATION

0 Units
Total Course Lecture Hours 45
Total Course Lab Hours 180
Instructional materials fee *of $100 is required for this course and must be paid at registration.*
A class designed for the automotive antique and classic car hobbyist to develop skills and knowledge with emphasis on antique and classic car restoration. The successful student will be able to safely use auto body hand tools, power and hydraulic equipment, MIG weld auto body sheet metal, align and repair automotive body panels using plastic body fillers, and mix and apply automotive undercoats. (R unlimited)

Department Description

The Automotive Technology program is designed to provide students with hands-on instruction, knowledge, and skills in automotive technology. The program provides instruction in the skills, technical knowledge, and related trade information which will prepare the student for employment. Class offerings allow students with any experience level the opportunity to prepare for entry into the automotive industry. The two-year program is offered in four major sections: engine, electrical, fuel, and chassis.

Program Learning Outcomes

All Automotive Systems Cert & AS

1. Analyze and evaluate critical aspects of the automotive industry related to safe work practices, standards and tolerances, standard shop practices, proper use of tools, power equipment, and personal protective equipment.
2. Evaluate and apply Federal and State regulatory automotive industry requirements.
3. Apply theories of operation, analyze information, evaluate findings, troubleshoot, and repair major automotive systems to meet automotive standards.
4. Develop diverse skill sets pertaining to the automotive repair standards and performance tasks.

Certificate Program

All Automotive Systems Cert

The automotive technology program provides hands-on instruction, knowledge, and skills in the major automotive systems. The curriculum prepares students for entry-level employment in the automotive industry. Classes vary from entry level to advanced training in specialized topics. The curriculum will help students for industry certification tests. Students must receive a minimum grade of "C" or better in all required core courses to qualify for the degree or certificate.

Program Requirements
All Automotive Systems Certificate (Total 48)

Complete all of the following	Units
AUTO 100 - Introduction to Automotive Technology	4
AUTO 160 - Automotive Electrical Fundamentals	4
AUTO 211 - Automotive Engine Operation and Repair	6
AUTO 220 - Automatic Transmissions and Transaxles	5
AUTO 230 - Manual Transmissions, Transaxles, and Drivelines	4
AUTO 240 - Automotive Suspension and Steering	6
AUTO 250 - Automotive Brake Systems	5
AUTO 260 - Automotive Electrical Systems	5
AUTO 270 - Automotive Heating and Air Conditioning	4
AUTO 280 - Automotive Engine Performance	5

Recommended Pathway

Term 1	Units
AUTO 100 - Introduction to Automotive Technology	4
AUTO 160 - Automotive Electrical Fundamentals	4
	Total 8
Term 2	
AUTO 211 - Automotive Engine Operation and Repair	6
AUTO 260 - Automotive Electrical Systems	5
	Total 11
Term 3	
AUTO 270 - Automotive Heating and Air Conditioning	4
	Total 4
Term 4	
AUTO 220 - Automatic Transmissions and Transaxles	5
AUTO 230 - Manual Transmissions, Transaxles, and Drivelines	4
AUTO 280 - Automotive Engine Performance	5
	Total 14
Term 5	
AUTO 240 - Automotive Suspension and Steering	6
AUTO 250 - Automotive Brake Systems	5
	Total 11
	Certificate Total 48

Associate Degree

All Automotive Systems AS

The automotive technology program provides hands-on instruction, knowledge, and skills in the major automotive systems. The curriculum prepares students for entry-level employment in the automotive industry. Classes vary from entry level to advanced training in specialized topics. The curriculum will help students for industry certification tests. Students must receive a minimum grade of "C" or better in all required core courses to qualify for the degree or certificate.

Program Requirements
All Automotive Systems AS (Total 48)

Complete all of the following	Units
AUTO 100 - Introduction to Automotive Technology	4
AUTO 160 - Automotive Electrical Fundamentals	4
AUTO 211 - Automotive Engine Operation and Repair	6
AUTO 220 - Automatic Transmissions and Transaxles	5
AUTO 230 - Manual Transmissions, Transaxles, and Drivelines	4
AUTO 240 - Automotive Suspension and Steering	6
AUTO 250 - Automotive Brake Systems	5
AUTO 260 - Automotive Electrical Systems	5
AUTO 270 - Automotive Heating and Air Conditioning	4
AUTO 280 - Automotive Engine Performance	5

Recommended Pathway

Term 1	Units
AVC GE Area 1A (ENGL C1000)	4
AUTO 100 - Introduction to Automotive Technology	4
AUTO 160 - Automotive Electrical Fundamentals	4
AVC GE Area 3	3
	Total 15
Term 2	
AVC GE Area 2	3
AVC GE Area 1B	3
AUTO 211 - Automotive Engine Operation and Repair	6
AUTO 220 - Automatic Transmissions and Transaxles	5
	Total 17
Term 3	
AVC GE Area 4	3
AUTO 230 - Manual Transmissions, Transaxles, and Drivelines	4
AUTO 250 - Automotive Brake Systems	5
AUTO 270 - Automotive Heating and Air Conditioning	4
AVC GE Area 5	3
	Total 19

Term 4

AVC GE Area 6	3
AUTO 240 - Automotive Suspension and Steering	6
AUTO 260 - Automotive Electrical Systems	5
AUTO 280 - Automotive Engine Performance	5
Total	**19**
Degree Total	**70**

Automotive Technology Courses

AUTO 100 INTRODUCTION TO AUTOMOTIVE TECHNOLOGY

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54

Introductory course intended for automotive majors and individuals with some automotive knowledge or experience. Automobiles will be covered from the service technician's view covering all roles and responsibilities as recommended by BAR, ASE, Federal, and State agencies. Subjects covered will be theories of operation of major automotive systems, maintenance services, and safety. (CSU, AVC)

AUTO 160 AUTOMOTIVE ELECTRICAL FUNDAMENTALS

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54

Fundamentals of electrical theory and how it is applied in modern vehicles. Understanding of basic automotive electrical systems: circuits and lights, electronic devices, starting motors, charging systems, batteries and indicating devices. Building of automotive circuits, testing and repair of DC automotive circuits. Introduction to reading schematics, and troubleshooting. This course will help prepare students for certification tests in electrical system repair. (CSU, AVC)

AUTO 211 AUTOMOTIVE ENGINE OPERATION AND REPAIR

6 Units
Total Course Lecture Hours 72
Total Course Lab Hours 108
Prerequisite: *Completion of AUTO 100*

Technical course with hands-on experience related to automotive engine theory of operation and methods of testing. Practice in disassembly, measurement, and reassembly of various four-cycle engines. Use of precision measurement tools and assessing engine failure conditions. This course will help prepare students for certification tests in engine repair. (CSU, AVC)

AUTO 220 AUTOMATIC TRANSMISSIONS AND TRANSAXLES

5 Units
Total Course Lecture Hours 54
Total Course Lab Hours 108
Prerequisite: *Completion of AUTO 100*

Theory of operation and service of hydraulic and electronic controlled automatic transmissions/transaxles available in automobiles and light trucks. Laboratory procedures include disassembly, inspection, reassembly of a common hydraulic controlled automatic transmission. Safe and correct use of special service and diagnostic tools is emphasized. This course will help prepare students for certification tests in automatic transmission repair. (CSU, AVC)

AUTO 230 MANUAL TRANSMISSIONS, TRANSAXLES, AND DRIVELINES

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Prerequisite: *Completion of AUTO 100.*

Theory of operation and diagnosis of manual transmissions, transaxles, clutches, differentials, driveshafts, constant velocity joints, and drive axles. Laboratory procedures include removal, disassembly, inspection, rebuilding, installation, and adjustment of manual transmissions and related assemblies. This course will help prepare students for certification tests in manual transmission repair. (CSU, AVC)

AUTO 240 AUTOMOTIVE SUSPENSION AND STEERING

6 Units
Total Course Lecture Hours 72
Total Course Lab Hours 108
Prerequisite: *Completion of AUTO 100.*

Theory of operation, diagnosis, service, and repair of suspension and steering systems. Laboratory procedures will include wheel alignment, tire service and repair, tire diagnosis including wheel balancing. This course will help prepare students for certification tests in steering and suspension repair. (CSU, AVC)

AUTO 250 AUTOMOTIVE BRAKE SYSTEMS

5 Units
Total Course Lecture Hours 54
Total Course Lab Hours 108
Prerequisite: *Completion of AUTO 100.*

This course will cover braking systems fundamentals, theory of operation, and diagnosis procedures. Laboratory procedures will include maintenance, service, use of scan tools, and repair of automotive braking systems, both conventional and anti-lock brakes. This course will help prepare students for certification tests in brake system repair. (CSU, AVC)

AUTO 260 AUTOMOTIVE ELECTRICAL SYSTEMS

5 Units
Total Course Lecture Hours 54
Total Course Lab Hours 108
Prerequisite: *Completion of AUTO 160*
Theory, operation, and maintenance of microprocessor-based automotive control systems. Electronic fuel injection, ignition, body computer modules and on-board diagnostic systems are covered. Use of digital scan tools, oscilloscopes and trouble-shooting procedures are practiced. This course will help prepare students for certification tests in electrical system repair. (CSU, AVC)

AUTO 270 AUTOMOTIVE HEATING AND AIR CONDITIONING

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Prerequisite: *Completion of AUTO 100 and AUTO 160.*
Air conditioning theory, methods of testing, diagnosing and servicing automotive air conditioning system. Introduction to new technologies, safe handling, reclaiming and recycling of refrigerants. Students will have the opportunity to take the Environmental Protection Agency (EPA) section 609 of the Clean Air Act, MACS Refrigerant, Recycling, and Recovery Certification Program to obtain a refrigerant handlers' license. This course will help prepare students for certification tests in heating and air conditioning system repair. (CSU, AVC)

AUTO 280 AUTOMOTIVE ENGINE PERFORMANCE

5 Units
Total Course Lecture Hours 54
Total Course Lab Hours 108
Prerequisite: *Completion of AUTO 100 and AUTO 160.*
Theory and operation of electronic engine controls including: electronic fuel injection, electronic ignition, onboard diagnostics, and current emission systems. Laboratory practice includes proper set up and use of digital storage oscilloscopes, scan tools, and various engine performance testing procedures. This course will help prepare students for certification tests in engine performance repair. (CSU, AVC)

Automotive Technology Non Credit Course

AUTO 900 AUTOMOTIVE RESTORATION

0 Units
Total Course Lecture Hours 45
Total Course Lab Hours 45
This noncredit course will cover a verity of topics related to automotive system and how they relate to the restoration process. Other topics include how to buy parts for older cars due the unavailability of them and the repair of available parts. (R unlimited)

Department Description

The Biology program emphasizes concepts of biology including the diversity of life generated by evolution, how structure and function relate, and how genetic information flows. The program satisfies general education requirements and also prepares students for transfer to bachelor's degree programs in several biological fields including molecular biology, botany, ecology, zoology, allied health, and medicine. Courses in the biological sciences aid in developing critical thinking skills that are applicable to nearly every discipline, provide an inquiry-based framework to use appropriate tools to solve biological questions, and may also incorporate undergraduate research using well-equipped labs to provide training in essential biological techniques.

***The Associate in Science in Biology (AS) degree - Please speak with a counselor and check the requirements for your transfer institution. Completion of this degree is only a partial fulfillment of the requirements for transfer as a Biology major to an institution granting a baccalaureate degree. (See Graduation Associate Degree Requirements.)**

Program Learning Outcomes

Biology AS & AS-T

1. Demonstrate a practical working knowledge of the scientific method, and the ability to collect, evaluate, and analyze scientific data.
2. Demonstrate an understanding of the cell structure, function, and chemistry at the molecular, cellular, tissue, and organismal levels.
3. Develop an understanding of the interactive role of living organisms in ecosystems and the environment.
4. Examine and evaluate the role of evolution and natural selection at the cellular and organismal levels.
5. Demonstrate the ability to use laboratory equipment and methods safely and proficiently as an individual or as a group.

Computational Biology Cert

1. Develop computational skills relevant to solving problems in biology.
2. Develop relevant skills in math, statistics and biology that enable success in the field of bioinformatics.
3. Gain research skills that allow them to apply their academic training to real-world problems.
4. Develop written and oral communication skills that are crucial to articulating research goals and reporting research results.

Human Biology and Wellness AS

1. Demonstrate a comprehensive understanding of human anatomy and physiology, with an emphasis on the structure and function of biological systems.
2. Demonstrate the use scientific reasoning and critical thinking to interpret biological and chemical data and research in human biology and wellness.
3. Analyze the physiological mechanisms of the human body to understand homeostasis and how disruptions lead to illness or injury.
4. Apply key biological concepts, such as cell biology, genetics, and microbiology, to the study of human health and disease.
5. Apply principles of general chemistry, including atomic structure, chemical bonding, and reactions, to explain biological processes in human health and disease.

Research Fundamentals Skills Certificate (Noncredit)

1. Students will apply fundamental research methodologies, including literature review, data collection, analysis and interpretation.
2. Students will contextualize and communicate how their research adds to the existing literature in the field.
3. Students will demonstrate principles of ethical conduct in research.
4. Students will critically evaluate scholarly literature, databases, and primary sources.

Certificate Programs

Computational Biology Cert

Computational Biology uses data analysis, mathematical modeling, and computational simulation techniques to understand complex biological systems. The Computational Biology certificate provides coursework designed to train students entering careers that require the interpretation and analysis of large amounts of biological data. The objective of the certificate is to acquire skills in computer science, biology and statistics that can be applied to bioinformatics. Students may also wish to obtain the Associate in Science in Biology degree (AS or AS-T), which can be used to transfer to a university for a BA/BS degree in Computational Biology, Biotechnology, Bioinformatics, or related field.

Program Requirements
Required Courses (Total 23)
Complete all of the following **Units**

Prep Courses (Total 13)
Complete all of the following
Prep Courses (Total 8)
Complete all of the following

BIOL 110 - General Molecular Cell Biology	5
CS 110 - Introduction to Programming Concepts and Methodologies	3

Chemistry Prep Course - Choose one (Total 5)
Complete the following number of units: 5

CHEM 110 - General Chemistry	5
CHEM 110H - General Chemistry Honors	5

Statistics Course - Choose one (Total 4)
Complete the following number of units: 4

MATH 116 - Introduction to Statistics Using R	4
STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4

Skill Courses (Total 6)
Complete all of the following

CS 122 - Programming and Algorithms in Python	3
BIOL 206 - Introduction to Bioinformatics	3

Recommended Pathway

Term 1	**Units**
CS 110 - Introduction to Programming Concepts and Methodologies	3
BIOL 110 - General Molecular Cell Biology	5
Chemistry Prep Course **(**CHEM 110 ***OR*** CHEM 110H)	5
	Total 13

Term 2	
Statistics Course (see list)	4
	Total 4
Term 3	
CS 122 - Programming and Algorithms in Python	3
BIOL 206 - Introduction to Bioinformatics	3
	Total 6
	Certificate Total 23

Research Fundamentals Skills Certificate (Noncredit)

The Research Fundamentals Skills Certificate emphasizes the skills needed to interpret research data and conduct basic research in accordance with the procedures and methods of Biological sciences. The certificate is designed for students interested in learning research skills and for those who need assistance in improving these skills for academic and/or career advancement.

Program Requirements
Required Courses (Total 108 - 216)

Complete all of the following	**Hours**
Prep Courses (Total 36 - 144)	
Complete at least one of the following rules	
BIOL 991 - Methods in Biological Sciences	54
BIOL 992 - Communication and Storytelling in Biology	36
ENGR 911 - Excel for Science and Engineering	54
Required Course (Total 72)	
Complete the following number of hours: 72	
BIOL 990 - Research Practicum	72
CHEM 990 - Research Practicum	72

Recommended Pathway

Term 1	**Hours**
Prep Courses (see list)	36-54
	Total 36-54
Term 2	
Required Course (BIOL 990 ***OR*** CHEM 990)	72
	Total 72
	Certificate Total 108-126

Associate Degrees

Biology AS

Biology is the scientific study of life through the observation of structure, function, reproduction, growth, origin, evolution, and behavior of living organisms and their relation to each other and their environment. Biologists have deepened our understanding of processes and interactions on all levels of biological organization from elucidating cellular processes to fight cancer to assessing interactions in communities that might help prevent the extinction of species. Studying biology provides a background for students to evaluate and understand new discoveries and to make informed decisions about the use of scientific knowledge to benefit all living organisms.

The Associate of Science in Biology prepares student for upper division biology courses, including general biology, cell or molecular biology, organism biology, marine biology, botany, zoology, ecology, evolution, genetics, anatomy, physiology, microbiology, and agricultural sciences. Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
Biology AS (Total 35 - 38)
Complete all of the following

Required Courses (Total 10)	
Complete the following number of units: 10	**Units**
BIOL 110 - General Molecular Cell Biology	5
BIOL 120 - General Organismal, Ecological and Evolutionary Biology	5
Program Electives (Total 7 - 10)	
Complete the following number of units: 7-10	
BIOL 201 - General Human Anatomy	4
BIOL 202 - General Human Physiology	4
BIOL 203A - General Human Anatomy and Physiology I	4
BIOL 203B - General Human Anatomy and Physiology II	4
BIOL 204 - General Microbiology	5
BIOL 206 - Introduction to Bioinformatics	3
CHEM 120 - General Chemistry	5
Program Elective - Choose One (Total 5)	
Complete the following number of units: 5	
CHEM 110 - General Chemistry	5
CHEM 110H - General Chemistry Honors	5
Program Elective - Choose One (Total 5)	
Complete the following number of units: 5	
MATH 150 - Calculus and Analytic Geometry	5
MATH 150H - Calculus & Analytic Geometry Honors	5
Program Electives (Total 8)	
Complete all of the following	
PHYS 101 - Introductory Physics	4
PHYS 102 - Introductory Physics	4

Recommended Pathway

Term 1	**Units**
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 1B	3
AVC GE Area 4	3
Program Elective (MATH 150 ***OR*** MATH 150H)	5
	Total 15
Term 2	
BIOL 120 - General Organismal, Ecological and Evolutionary Biology	5
AVC GE Area 5 (CHEM 110)	5
AVC GE Area 6	3
	Total 13
Term 3	
Program Electives (PHYS 101)	4
General Elective	1
	Total 5

Term 4	
Program Electives (CHEM 120)	5
BIOL 110 - General Molecular Cell Biology	5
AVC GE Area 3	3
	Total 13
Term 5	
Program Electives (PHYS 102)	4
Program Electives (BIOL 201 ***OR*** BIOL 204)	4-5
General Elective	3
General Elective	3
	Total 14-15
	Degree Total 60-61

Biology AS-T

Biology is the scientific study of life through the observation of structure, function, reproduction, growth, origin, evolution, and behavior of living organisms and their relation to each other and their environment. Biologists have deepened our understanding of processes and interactions on all levels of biological organization from elucidating cellular processes to fight cancer to assessing interactions in communities that might help prevent the extinction of species. Studying biology provides a background for students to evaluate and understand new discoveries and to make informed decisions about the use of scientific knowledge to benefit all living organisms.

The Associate of Science in Biology for Transfer (AS-T) prepares student for upper division biology courses, including general biology, cell or molecular biology, organism biology, marine biology, botany, zoology, ecology, evolution, genetics, anatomy, physiology, microbiology, and agricultural sciences.

To earn an Associate of Science in Biology for Transfer (AS-T in Biology) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district.
- Completion of the Cal-GETC pattern
- Minimum grade of “C” (or “P”) for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Biology AS-T (Total 33)
Complete all of the following

Required Courses (Total 10)	**Units**
Complete the following number of units: 10	
BIOL 110 - General Molecular Cell Biology	5
BIOL 120 - General Organismal, Ecological and Evolutionary Biology	5

Required Electives A (Total 23)
Complete all of the following
Required Electives A (Total 5)
Complete all of the following

CHEM 120 - General Chemistry	5

Required Electives A: Choose one (Total 5)
Complete the following number of units: 5

CHEM 110 - General Chemistry	5
CHEM 110H - General Chemistry Honors	5

Required Electives A: Choose one (Total 5)
Complete the following number of units: 5

MATH 150 - Calculus and Analytic Geometry	5
MATH 150H - Calculus & Analytic Geometry Honors	5

Required Electives A: Choose either PHYS 101 and 102 OR PHYS 110 and 120 (Total 8)
Complete the following number of units: 8

PHYS 101 - Introductory Physics	4
PHYS 102 - Introductory Physics	4
PHYS 110 - General Physics	4
PHYS 120 - General Physics	4

Recommended Pathway

Fall, First Semester	**Units**
Required Electives A (CHEM 110)	5
Required Electives A (MATH 150)	5
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 3B	3
	Total 17
Spring, Second Semester	
Required Electives A (CHEM 120)	5
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 4	3
Cal-GETC GE Area 6	3
	Total 14
Fall, Third Semester	
BIOL 110 - General Molecular Cell Biology	5
Required Electives A (see list)	4
Cal-GETC GE Area 1C	3
General Elective	2
	Total 14
Spring, Fourth Semester	
BIOL 120 - General Organismal, Ecological and Evolutionary Biology	5
Cal-GETC GE Area 4	3
Required Electives A (see list)	4
Cal-GETC GE Area 3A	3
	Total 15
	Degree Total 60

Human Biology and Wellness AS

The Associate of Science in Human Biology and Wellness program provides students with a comprehensive understanding of the human body, health, and wellness. This interdisciplinary program combines foundational biological sciences with practical wellness principles, preparing students for careers in healthcare, fitness, and wellness industries or for transfer to a four-year university to pursue further studies in fields such as biology, nursing, physical therapy, radiologic technology, and respiratory care. Through a combination of classroom instruction, laboratory experiences, and hands-on activities, students will explore human anatomy and physiology, nutrition, exercise science, and the principles of holistic health. The curriculum emphasizes the importance of maintaining a healthy lifestyle, understanding disease prevention, and promoting overall well-being.

Program Requirements
Human Biology and Wellness AS (Total 24)

Complete all of the following	**Units**
Required Courses (Total 17)	
Complete all of the following	
BIOL C1001 - Introduction to Biology	3
BIOL C1001 - Introduction to Biology Lab	1
CHEM 101 - Introductory Chemistry	5
Anatomy and Physiology Options: BIOL 201 & 202 or BIOL 203A & BIOL 203B (Total 8)	
Complete the following number of units: 8	
BIOL Option 1 (Total 8)	
Complete all of the following	
BIOL 201 - General Human Anatomy	4
BIOL 202 - General Human Physiology	4
BIOL Option 2 (Total 8)	
Complete all of the following	
BIOL 203A - General Human Anatomy and Physiology I	4
BIOL 203B - General Human Anatomy and Physiology II	4
Required Psychology Course - Choose One (Total 3)	
Complete the following number of units: 3	
PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3
Required Math Course - Choose one (Total 4)	
Complete the following number of units: 4	
STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4

Recommended Pathway

Term 1	**Units**
Required Math Course **(**STAT C1000 ***OR*** STAT C1000H)	4
BIOL C1001 - Introduction to Biology	3
BIOL C1001L - Introduction to Biology Lab	1
AVC GE Area 1A (ENGL C1000)	4
General Elective	3
	Total 15
Term 2	
Anatomy and Physiology Option (BIOL 201 ***OR*** BIOL 203A)	4
Required Psychology Course **(**PSYC C1000 ***OR*** PSYC C1000H)	3
AVC GE Area 1B	3
General Elective	3
General Elective	2
	Total 15
Term 3	
CHEM 101 - Introductory Chemistry	5
AVC GE Area 3	3
AVC GE Area 6	3
General Elective	3
General Elective	1
	Total 15
Term 4	
Anatomy and Physiology Option (BIOL 202 ***OR*** BIOL 203B)	4
AVC GE Area 4	3
General Elective	2
General Elective	3
General Elective	3
	Total 15
	Degree Total 60

Biological Sciences Courses

BIOL 100 ELEMENTARY HUMAN ANATOMY AND PHYSIOLOGY

3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54
This course covers the basic structure and function of the human body. Knowledge obtained may be used by students entering either an allied health science or non-transfer level field. (AVC)

BIOL 102 HUMAN BIOLOGY

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Advisory: *Completion of ENGL 101 or placement by multiple measures.*
This course explores the principles of biology using the human species as its primary tool. It is an introductory level, transfer course designed for non-science majors, students who want to further their professional development, or to enrich their knowledge of biology in general and their bodies in particular. Topics discussed include the scientific method, cell biology, genetics, evolution, aging, major concepts of structure, function and pathology of most organ systems, as well as how humans interact with their internal and external environment. (UC, CSU, AVC)

BIOL 103 INTRODUCTION TO BOTANY

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
This is an introduction course in the study of plants. This course deals with the structure of plants, how plants grow and function and types of plants. Plant ecology and geography will also be discussed. (UC, CSU, AVC)

BIOL 104 ENVIRONMENTAL BIOLOGY

3 Units
Total Course Lecture Hours 54
Advisory: *ENGL C1000 (ENGL 101).*
A general education biology course dealing with current environmental issues. Topics include environmental sustainability, ecological principles, human population impact, energy, climate change, species extinction, pollution and toxic wastes. (UC, CSU, AVC)

BIOL 104H ENVIRONMENTAL BIOLOGY HONORS

3 Units
Total Course Lecture Hours 54
Advisory: *ENGL 101.*
This honors course, intended for students in the Honors Transfer Program, is a general education biology course dealing with current environmental issues. Topics include environmental sustainability, ecological principles, human population impact, energy, climate change, species extinction, pollution and toxic wastes. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. (UC, CSU, AVC)
Note: Students may take either BIOL 104 Environmental Biology or BIOL 104H Environmental Biology Honors. Duplicate credit will not be awarded.

BIOL 110 GENERAL MOLECULAR CELL BIOLOGY

5 Units

Total Course Lecture Hours 72

Total Course Lab Hours 54

Advisory: *Completion of a general biology course is recommended and eligibility for ENGL C1000 or ENGL C1000H or placement by multiple measures.*

Prerequisite: *Completion of Intermediate Algebra or higher or placement by multiple measures and completion of or concurrent enrollment in CHEM 110 or CHEM 110H.*

A comprehensive and in-depth introduction for all biology majors (as well as physics, chemistry, engineering, computer science, and math majors who will concern themselves with biology) to the unifying principles of modern cellular biology, molecular biology and biochemistry. Topics include the structure of the atom, quantum mechanics, the nature of the chemical bond, general principles of thermodynamics and equilibrium, prokaryotic and eukaryotic cell structure, lipid chemistry and membrane biology, protein structure and function, photosynthesis and cellular respiration, nucleic acids (DNA and RNA) and their role in protein synthesis, principles of classical and molecular genetics, the control of gene expression, cell signaling systems, molecular embryology, evolutionary developmental biology, and biotechnology. Lab work includes investigations with live bacteria, protists, flowering plants and fruit flies as model organisms, and includes experiments in photosynthesis, enzymology, gel electrophoresis, genetics and biotechnology. This course stresses evolutionary mechanisms. (C-ID: BIOL 190) (UC, CSU, AVC)

BIOL 120 GENERAL ORGANISMAL, ECOLOGICAL AND EVOLUTIONARY BIOLOGY

5 Units

Total Course Lecture Hours 72

Total Course Lab Hours 54

Advisory: *Completion of a general biology course and/or BIOL 110.*

Prerequisite: *Completion of Intermediate Algebra or higher or placement by multiple measures.*

A comprehensive, in-depth course designed for biology majors to complement the cell-molecular perspective presented in BIOL 110. A survey of unicellular and multicellular organisms, emphasizing morphology, systematics, evolution, physiology, heredity, development, behavior and ecology. Laboratories consist of dissection and analysis of representative taxa and student projects. Data analysis and preparation of scientific reports are taught and applied to individual research projects. (C-ID: BIOL 140) (UC, CSU, AVC)

BIOL 199 WORK EXPERIENCE EDUCATION

1-8 Units

Total Course Lab Hours 54 - 432

Limit on Enrollment: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R3)

BIOL 201 GENERAL HUMAN ANATOMY

4 Units

Total Course Lecture Hours 36

Total Course Lab Hours 108

Prerequisite: *Completion of BIOL 100 or 101 or 102 or 110 or 120.*

Introduction to the structure and function of the human body. Included are lectures and demonstrations using models, isolated specimens and multimedia images of human anatomy. Laboratory study includes demonstrations and dissections of a cat and other animal and human material, including the cadaver. Completion of this class requires full participation and use of all lab materials. NOTE: This course is taken by students who wish to enter the Associate Degree Nursing Program, students who plan to combine their education in various healthcare fields, and students who plan to transfer to four-year institutions to major in biology. (C-ID: BIOL 110B) (UC, CSU, AVC)

BIOL 202 GENERAL HUMAN PHYSIOLOGY

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Prerequisite: *Completion of BIOL 201 and CHEM 101.*

An analysis of basic processes of the human body, emphasizing the coordinated physical and chemical mechanisms of cell biology, neuromuscular, cardiovascular, respiratory, digestive, skeletal, integumentary, immune, renal, endocrine and reproductive systems. Includes work with computerized instrumentation and living animals. Completion of this class requires full participation and use of all laboratory materials. NOTE: This course is necessary for students entering many healthcare professions including the Associate Degree Nursing Program. It is also applicable for transfer students in the biological sciences. (C-ID: BIOL 120B) (UC, CSU, AVC)

BIOL 203A GENERAL HUMAN ANATOMY AND PHYSIOLOGY I

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Prerequisite: *Completion of BIOL C1001 and BIOL C1001L or BIOL 102 or BIOL 110. Completion of Chem 101 is required.*
An analysis of basic processes of the human body, emphasizing the coordinated physical and chemical mechanisms of cell biology and neuromuscular. Includes work with computerized experiments. Completion of this course requires full participation and use of all materials. NOTE: This course is necessary for students entering many healthcare professions including the Associate Degree Nursing Program. It is also applicable for transfer students in biological sciences (CSU, AVC)

BIOL 203B GENERAL HUMAN ANATOMY AND PHYSIOLOGY II

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Prerequisite: *Completion of BIOL 203A.*
Continues the study of the structure and function of the human body including the endocrine, sensory, circulatory, immune, respiratory, digestive, urinary, and male and female reproductive systems. Includes work with computerized experiments. Completion of this course requires full participation and use of all materials. NOTE: This course is necessary for students entering many healthcare professions including the Associate Degree Nursing Program. It is also applicable for transfer students in biological sciences (CSU, AVC).

BIOL 204 GENERAL MICROBIOLOGY

5 Units
Total Course Lecture Hours 54
Total Course Lab Hours 108
Advisory: *Completion of BIOL 201, BIOL 202, and CHEM 102.*
Prerequisite: *Completion of BIOL 101 or 110 or 120, and CHEM 101 or CHEM 110 or CHEM 110H.*
This course is designed to present an overview of the biology of microorganisms including bacteria, viruses, protozoa, fungi and helminths. Information is directed towards students in preprofessional programs for nursing, dental hygiene, surgical technology, physicians assistant, food science, environmental monitoring, animal and crop sciences as well as biological science majors. Wherever possible, new development in Biotechnology, Virology and Immunology are discussed to provide students with current knowledge in this important field of science. The laboratory introduces a broad spectrum of microorganisms and the concepts and techniques required to identify and classify unknown bacteria. (UC, CSU, AVC)

BIOL 205 INTRODUCTION TO BIOTECHNOLOGY

3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54
Advisory: *Completion of BIOL 204.*
Prerequisite: *Completion of BIOL 110 or higher, and CHEM 101 or higher.*
The course will introduce the student to theoretical and applied concepts of Biotechnology- the use of living organisms or their products to enhance our lives and our environment. The content will cover the concepts of DNA structure, gene expression and protein synthesis. The laboratory techniques used in the Biotechnology industry will be learned and practiced by the students, including keeping a detailed lab notebook, learning and using calculations for solution preparation, preparing and analyzing DNA and protein samples by enzyme digest and gel electrophoresis, amplifying DNA by Polymerase Chain Reaction, and isolation of protein and DNA with separation techniques. Applications of these techniques in the Agricultural, Medical, Pharmaceutical and Forensic fields will be discussed. (UC, CSU, AVC)

BIOL 206 INTRODUCTION TO BIOINFORMATICS

3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54
Prerequisite: *BIOL 110*
Project-based course which will analyze complex biological data including, but not limited to, nucleotide sequences and amino acid sequences. The course introduces students to the tools such as Multiple Sequence Alignments (MSA) and Basic Local Alignment Search Tool (BLAST) used for computational exercises relevant to current biotechnologies and computational biology. Students will further learn to navigate through bioinformatic databases such as GenBank, EMBL, Swiss-Prot, OMIM, KEGG amongst others to extract sequences, analyze sequences, calculate statistical significance through E-scores, and demonstrate evolutionary relationships of not just nucleotide sequences, but also amino acid sequences, through phylogenetic tree diagrams. (CSU, AVC)
to extract sequences, analyze sequences, calculate statistical significance through E-scores, and demonstrate evolutionary relationships of not just nucleotide sequences, but also amino acid sequences, through phylogenetic tree diagrams. (CSU, AVC)

BIOL 304 A SURVEY OF EMERGING AND REMERGING INFECTIOUS DISEASES

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be enrolled in an AVC bachelor's degree program to take this course.*

Prerequisite: *Completion of ENGL C1000 (ENGL 101).*

This is an upper division General Education course, covering a survey of selected emerging and re-emerging infectious diseases, addressing the Biological, Historical, Sociological, Geographical, and Epidemiological factors that have had an impact on the human populations worldwide throughout history. The content will cover the basic concepts of infectious disease agents (Viruses, Prions, Bacteria, Protozoa, and Helminths), human biology, and the Public Health measures used to identify, treat, and prevent these diseases. Also covered are the various human factors that have influenced the trends of these diseases, including historical events, Geopolitics, and cultural and Sociological changes affecting human populations. (AVC)

BIOL C1001 INTRODUCTION TO BIOLOGY

3 Units

Total Course Lecture Hours 54

Co-Requisite: *Concurrent enrollment in BIOL C1001L.*

This lecture course provides the non-biology major with an introduction to living things and their environment. Students develop important critical thinking skills as they learn about the process of science, the building blocks of life, the role and regulation of DNA, how populations change over time, the movement of energy within and between life forms, and how species interact with each other and their surroundings. By the end of the course, students will be able to apply an understanding of biological concepts to current issues and their impacts on society. Formerly BIOL 101 (UC, CSU, AVC)

NOTE: Biology majors should take BIOL 110 and BIOL 120 instead of this course.

BIOL C1001L INTRODUCTION TO BIOLOGY LAB

1 Unit

Total Course Lecture Hours 54

Prerequisite: *Completion of or concurrent enrollment in BIOL C1001.*

This laboratory course provides the hands-on application of concepts learned in the Introduction to Biology lecture (BIOL C1001) for the non-biology major. Students use experimentation and investigation to develop important critical thinking skills. Students engage in the process of science to explore the building blocks of life, the role and regulation of DNA, how populations change over time, the movement of energy within and between life forms, and how species interact with each other and their surroundings. By the end of the course, students will be familiar with some of the equipment and techniques used by biologists. Formerly BIOL 101L (UC, CSU, AVC)

NOTE: Biology majors should take BIOL 110 and BIOL 120 instead of this course.

Biological Sciences Non Credit Courses

BIOL 990 RESEARCH PRACTICUM

0 Units

Total Course Lecture hours 18

Total Course Lab Hours 54

An immersive research practicum course that involves the supervised practical application of previously studied theories and concepts in biology and biotechnology. Under supervision of biology faculty mentors, students will select a research project, write a literature review and research proposal, conduct preliminary experiments, and write and present (oral or poster) research report. Research methods and experimental design will be emphasized, including the location and study of articles from the professional literature. The undergraduate research projects will help students develop valuable research skills, and it will provide students with an opportunity to apply scientific knowledge in the context of "real world" problems. Participation will also open up opportunities for students to take part in analyzing data and conducting field research. (R unlimited)

BIOL 991 METHODS IN BIOLOGICAL SCIENCES

0 Units

Total Course Lab Hours 54

Methods n Biological Sciences provides students with a comprehensive introduction to a wide range of investigative approaches applicable across all levels of biological systems from molecules to ecosystems. Specific tools, equipment, and techniques will vary depending on the expertise of the instructing faculty, offering diverse perspectives and methodologies. Coursework may involve both laboratory-based and field-based investigations, reflecting the breadth of experimental contexts in the biological sciences. The skills gained could be used to find entry level position as lab or field technician. (R unlimited)

BIOL 992 COMMUNICATION AND STORYTELLING IN BIOLOGY

0 Units

Total Course Lecture hours 18

Total Course Lab Hours 13.5

This course is designed to introduce students to the ways that biologists communicate, both with each other and with the broader public. The focus will be threefold: 1) describing data, 2) describing process & product, and 3) presenting biology. The aim is to foster confidence in a scientific style of communication. Conciseness, clarity, and exactness are the hallmarks of successful written and oral presentation in science. By completing Communication and Storytelling in Biology students will develop these traits in their written and oral expression. (R unlimited)

Department Description

The Business program offers students the opportunity to recognize and respond to changing economic conditions within the business environment that determine how goods and services are produced, distributed, and consumed in a society. Students will gain the skills and knowledge needed to work within an economic system that rewards firms for their ability to perceive and serve the needs and demands of consumers. Studies in the Business program seek to continue creating strategies that allow companies to grow and compete in today's interactive marketplace by understanding how the private enterprise system encourages competition and innovation while preserving business ethics.

Program Learning Outcomes

Business Administration 2.0 AS-T

1. Understand and apply ethics to effectively operate as a business manager within the global business environment.
2. Prepare and analyze basic financial statements, financial ratios and tax forms to assess opportunities and risks for the purpose of formulating and implementing business strategies.
3. Demonstrate written, verbal, and nonverbal communication skills required for the workplace, including the effective use of appropriate technologies, written reports, and formal presentations.
4. Understand and analyze the legal and social environment of business, in particular civil and criminal law, consumer protection, contracts, employment and personal property rights.
5. Understand and apply economic theory and policy, including supply and demand and market equilibrium, the American banking system, and the Federal Reserve System.

Computer and Workplace Fundamentals Certificate (Noncredit)

1. Demonstrate and describe the function of computer peripherals, and how to access computer settings to make adjustments.
2. Develop a business letter using word processing software, a budget using spreadsheet software, and a professional email message.
3. Develop a resume and cover letter for a specific position.
4. Demonstrate communication and job interview skills by completing a mock interview.

General Business Cert

1. Understand and apply ethics to effectively operate as a business manager within the global business environment.
2. Prepare and analyze basic financial statements, financial ratios, and tax forms to assess opportunities and risks for the purpose of formulating and implementing business strategies.
3. Demonstrate written, verbal, and nonverbal communication skills required for the workplace, including the effective use of appropriate technologies, written reports, and formal presentations.
4. Demonstrate an understanding of the legal and social environment of business, in particular civil and criminal law, consumer protection, contracts, employment and personal property rights. personal property rights.

General Business AS

1. Understand and apply ethical principles to work effectively as a business manager in a diverse, globalized business setting.
2. Prepare and analyze basic financial statements, financial ratios, cash flow projections, and tax forms to assess opportunities and risks for the purpose of formulating and implementing business strategies.
3. Demonstrate written, verbal, and nonverbal communication skills required for the workplace, including effective use of appropriate technologies, preparation of written reports, and delivery of formal presentations.
4. Exhibit an understanding of the legal and social environment of business, particularly regarding civil and criminal law, consumer protection, contracts, employment, and personal property rights.
5. Demonstrate proficiency in business technology and software applications, utilizing critical thinking and analytical skills to solve real-world business problems.

Human Resources Professional I Cert

1. Students will be able to compose and edit business documents utilizing proper grammar and punctuation. (BUS 111)
2. Compare and contrast employment-related discrimination laws. (MGT 121)

Human Resources Professional II Cert

1. Create clear, concise business documents that convey the sender's message. (BUS 113)
2. Students will be able to design, construct, and organize electronic spreadsheets using a personal computer. (CA 221)

Logistics, Transportation and Distribution Certificate (Noncredit)

1. Develop a comprehensive understanding of inventory control by analyzing and completing business case studies.
2. Describe various key components of warehousing and distribution channels and warehouse operations.
3. Examine and apply best practices in real-world scenarios when managing warehouse operations.
4. Analyze and design efficient logistics networks that optimize transportation, warehousing, and distribution strategies including customer service and sustainability.
5. Manage global logistic operations, ensuring compliance with international trade, and effectively coordinating transportation and order fulfillment in a global supply chain.

Personal Business Ownership Certificate (Noncredit)

1. Demonstrate and understand how to complete several documents to start a sole proprietorship based on the type of business.
2. Using software, maintain and understand basic business accounting records for a sole proprietorship.
3. Demonstrate and describe the function of computer peripherals, and how to access computer settings to make adjustments.
4. Develop a business letter using word processing software, a budget using spreadsheet software, and a professional email message.

Supply Chain Warehouse Essentials Certificate (Noncredit)

1. Develop a comprehensive understanding of inventory control by analyzing and completing business case studies.
2. Describe various key components of warehousing and distribution channels and warehouse operations.
3. Examine and apply best practices in real-world scenarios when managing warehouse operations.

Certificate Programs

General Business Cert

Students who are pursuing careers in business, but are not intending to complete an associates degree at this time, will learn essential job skills and acquire critical business knowledge to prepare them for today's environment. In addition to core coursework in Business, Accounting and Computers, students will choose a concentration in either Management or Marketing to help them better focus their skills for the workplace.

The following courses (39-42 units) are required for the Business certificate. Students who successfully complete the certificate requirements may apply for entry-level positions in office management, sales, customer service, or human resources, or may apply their knowledge and skills as an entrepreneur.

General Business Certificate (Total 39 - 42)
Complete all of the following

Required Courses (Total 18)	**Units**
Complete all of the following	
BUS 101 - Introduction to Business	3
BUS 111 - Business English	3
BUS 113 - Business Communications	3
BUS 121 - Fundamentals of Investment and Personal Finance	3
BUS 201 - Business Law	3
BUS 212 - Women and Minorities in Business	3

Required Course - Choose one (Total 3 - 4)	
Complete the following number of units: 3-4	
ACCT 111 - Bookkeeping	3
ACCT 201 - Financial Accounting	4

Required Course - Choose one (Total 3 - 4)	
Complete the following number of units: 3-4	
BUS 105 - Business Mathematics	3
MATH 116 - Introduction to Statistics Using R	4
MATH 124 - Finite Math	4
STAT C1000 - Introduction to Statistics	4

Required Course - Choose one (Total 3 - 4)	
Complete the following number of units: 3-4	
CA 103 - Introduction to Computers and Digital Technology	3
CA 221 - Computer Concepts & Applications in Business	4

Required Course - Choose one (Total 3)	
Complete the following number of units: 3	
CA 111 - Word Processing-Microsoft Word	3
CA 121 - Microcomputer Spreadsheets	3

Program Elective - Select a Concentration (Marketing or Management) (Total 9)
Complete the following number of units: 9

Marketing Concentration (Total 9)
Complete all of the following

Marketing Program Elective (Total 6)	
Complete all of the following	
MKTG 101 - Principles of Marketing	3
MKTG 130 - Digital Marketing	3
Marketing Program Elective - Choose one (Total 3)	
MKTG 112 - Introduction to Advertising	3
MKTG 132 - Social Media Marketing	3
MKTG 199 - Work Experience Education	3

OR

Management Concentration (Total 9)
Complete all of the following

Management Program Elective (Total 6)	
MGT 101 - Management Principles	3
MGT 115 - Human Behavior in Organization	3
Management Program Elective - Choose one (Total 3)	
MGT 121 - Human Resources Management	3
MGT 201 - Small Business Management	3
MGT 199 - Work Experience Education	1-8

Recommended Pathway
Marketing Concentration

Fall, First Semester	**Units**
BUS 101 - Introduction to Business	3
CA 103 - Introduction to Computers and Digital Technology	3
BUS 111 - Business English	3
BUS 105 - Business Mathematics	3
MKTG 101 - Principles of Marketing	3
	Total 15
Spring, Second Semester	
CA 121 - Microcomputer Spreadsheets	3
BUS 212 - Women and Minorities in Business	3
MKTG 130 - Digital Marketing	3
BUS 121 - Fundamentals of Investment and Personal Finance	3
	Total 12
Spring, Third Semester	
BUS 201 - Business Law	3
ACCT 111 - Bookkeeping	3
BUS 113 - Business Communications	3
MKTG 132 - Social Media Marketing	3
	Total 12
	Certificate Total 39

Recommended Pathway
Management Concentration

Fall Semester	**Units**
BUS 101 - Introduction to Business	3
CA 103 - Introduction to Computers and Digital Technology	3
BUS 111 - Business English	3
BUS 105 - Business Mathematics	3
MGT 101 - Management Principles	3
	Total 15
Spring Semester	
CA 121 - Microcomputer Spreadsheets	3
BUS 212 - Women and Minorities in Business	3
BUS 121 - Fundamentals of Investment and Personal Finance	3
MGT 115 - Human Behavior in Organization	3
	Total 12
Fall Semester	
ACCT 111 - Bookkeeping	3
BUS 113 - Business Communications	3
BUS 201 - Business Law	3
MGT 121 - Human Resources Management	3
	Total 12
	Certificate Total 39

Human Resources Professional I Cert

Students who are pursuing careers in human resources, but are not intending to complete an associates degree at this time, will gain job skills vital for entry level positions in the field of human resources. The certificate provides breadth and depth in the knowledge and skills necessary for a human resource

professional. The following courses (12 units) are required for the Human Resources I certificate. Students who successfully complete the certificate requirements will be prepared for entry-level human resources career opportunities.

Required Courses (Total 12)

Complete all of the following	**Units**
BIP 105 - Computer Literacy	1
BIP 106 - MS Outlook	1
BIP 111 - MS Word I	1
BIP 112 - MS Excel I	1
BIP 113 - MS Access I	1
BIP 114 - MS PowerPoint I	1
BUS 111 - Business English	3
MGT 121 - Human Resources Management	3

Recommended Pathway

Term 1	**Units**
MGT 121 - Human Resources Management	3
BUS 111 - Business English	3
BIP 105 - Computer Literacy	1
BIP 106 - MS Outlook	1
BIP 111 - MS Word I	1
BIP 112 - MS Excel I	1
BIP 114 - MS PowerPoint I	1
BIP 113 - MS Access I	1
Total 12	
Certificate Total 12	

Human Resources Professional II Cert

Students who are pursuing careers in human resources, but are not intending to complete an associates degree at this time, will gain job skills vital for positions in the field of human resources. The certificate builds upon the knowledge obtained in the Human Resources Professional I certificate and provides breadth and depth in the knowledge and skills necessary for a human resource professional. The following courses (12 units) are required for the Human Resources II certificate. Students who successfully complete the certificate requirements will be prepared for human resources career opportunities and advancement in the field of human resources.
Completion of Human Resources I certificate required prior to completion of this certificate.

Required Courses (Total 10 - 17)

Complete all of the following	**Units**
BIP 123 - MS Access II	1
BIP 125 - Adobe Acrobat	1
BUS 113 - Business Communications	3
BUS 199 - Work Experience Education	1-8
CA 221 - Computer Concepts & Applications in Business	4

Recommended Pathway

Term 1	**Units**
BUS 113 - Business Communications	3
CA 221 - Computer Concepts & Applications in Business	4
BIP 123 - MS Access II	1
BIP 125 - Adobe Acrobat	1
BUS 199 - Work Experience Education	1-8
Total 10-17	
Certificate Total 10-17	

Certificate Programs (Noncredit)

Computer and Workplace Fundamentals (Noncredit)

This certificate is designed to equip students with the tools that are needed to evaluate their own abilities, interests, and values when searching and applying for a particular career. Students will learn basic computer and application software and technology skills that will aid students during their career search journey and toward specific job positions.

Program Requirements
Computer and Workplace Fundamentals Required Course Work (Total 72)

Complete all of the following	**Hours**
CA 998 - Computers, Application Software, and Technology for Beginners	36
BUS 999 - Map for Workplace Success	36

Recommended Pathway

Semester # 1	**Hours**
CA 998 - Computers, Application Software, and Technology for Beginners	36
BUS 999 - Map for Workplace Success	36
Total 72	
Certificate Total 72	

Logistics, Transportation and Distribution Certificate (Noncredit)

Completing the Logistics, Transportation, and Distribution program at Antelope Valley College will provide students with comprehensive knowledge and skills essential for success in the logistics and transportation sectors. This program focuses on the principles and practices of effective logistics management, transportation strategies, and distribution operations in a global environment, including operational logistics, trade regulations, and compliance.

Program Requirements
Required Courses (Total 144)

Complete all of the following	**Hours**
BUS 901 - Essential Inventory Control Skills - Foundations	18
BUS 902 - Essential Skills for Warehousing and Distributions	18
BUS 903 - Supply Chain Warehouse Management	18
BUS 904 - Logistics, Transportation and Distribution	54
BUS 905 - Capstone	36

Recommended Pathway

Term 1	**Hours**
BUS 901 - Essential Inventory Control Skills - Foundations	18
BUS 902 - Essential Skills for Warehousing and Distributions	18
BUS 903 - Supply Chain Warehouse Management	18
Total 54	
Term 2	
BUS 904 - Logistics, Transportation and Distribution	54
BUS 905 - Capstone	36
Total 90	
Certificate Total 144	

Personal Business Ownership Certificate (Noncredit)
This program is designed to provide students with the necessary tools and skills to successfully start and maintain a business and will learn basic computer and application software and technology skills.

Program Requirements
Personal Business Ownership (Total 90)

Complete all of the following	Hours
CA 998 - Computers, Application Software, and Technology for Beginners	36
BUS 990 - How to Start Your Business	18
BUS 991 - How to Maintain Your Business	36

Recommended Pathway

Semester 1	Hours
CA 998 - Computers, Application Software, and Technology for Beginners	36
BUS 990 - How to Start Your Business	18
BUS 991 - How to Maintain Your Business	36
Total	**90**
Certificate Total	**90**

Supply Chain Warehouse Essentials Certificate (Noncredit)
The supply chain warehouse certificate program at Antelope Valley College is designed to equip students with the essential knowledge and skills needed to excel in the dynamic field of supply chain warehouse. This program focuses on the core components of supply chain processes, including logistics, inventory management, procurement, and distribution.

Program Requirements
Required Coursed (Total 54)

Complete all of the following	Hours
BUS 901 - Essential Inventory Control Skills - Foundations	18
BUS 902 - Essential Skills for Warehousing and Distributions	18
BUS 903 - Supply Chain Warehouse Management	18

Recommended Pathway

Term 1	Hours
BUS 901 - Essential Inventory Control Skills - Foundations	18
BUS 902 - Essential Skills for Warehousing and Distributions	18
BUS 903 - Supply Chain Warehouse Management	18
Total	**54**
Certificate Total	**54**

Associate Degrees

General Business AS

The associate of science in General Business will provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, culture, and society in which they live, with the necessary skills to excel in various business environments.
They are well-prepared for entry-level career opportunities in areas such as accounting, business law, marketing, purchasing, retail, sales, customer service, economics, and entrepreneurship. Through this program, students gain the knowledge and practical experience required for entry-level employment in business, entrepreneurship, or to advance in their current career paths.
The major offers a choice of concentrations in Marketing or Management. Students will choose their concentration and complete the additional 9 units of required electives in the chosen concentration.

Program Requirements
General Business AS (Total 39 - 42)
Complete all of the following

Required Courses (Total 18)	Units
Complete all of the following	
BUS 101 - Introduction to Business	3
BUS 111 - Business English	3
BUS 113 - Business Communications	3
BUS 121 - Fundamentals of Investment and Personal Finance	3
BUS 201 - Business Law	3
BUS 212 - Women and Minorities in Business	3
Required Course - Choose one (Total 3 - 4)	
Complete the following number of units: 3-4	
ACCT 111 - Bookkeeping	3
ACCT 201 - Financial Accounting	4
Required Course - Choose one (Total 3 - 4)	
Complete the following number of units: 3-4	
BUS 105 - Business Mathematics	3
STAT C1000 - Introduction to Statistics	4
MATH 116 - Introduction to Statistics Using R	4
MATH 124 - Finite Math	4
Required Course - Choose one (Total 3 - 4)	
Complete the following number of units: 3-4	
CA 103 - Introduction to Computers and Digital Technology	3
CA 221 - Computer Concepts & Applications in Business	4
Required Course - Choose one (Total 3)	
Complete the following number of units: 3	
CA 121 - Microcomputer Spreadsheets	3
CA 111 - Word Processing-Microsoft Word	3
Program Elective - Select a Concentration (Marketing or Management) (Total 9)	
Complete the following number of units: 9	
Marketing Concentration (Total 9)	
Complete all of the following	
Marketing Program Elective (Total 6)	
Complete all of the following	
MKTG 101 - Principles of Marketing	3
MKTG 130 - Digital Marketing	3
Marketing Program Elective - Choose one (Total 3)	
MKTG 112 - Introduction to Advertising	3
MKTG 132 - Social Media Marketing	3
MKTG 199 - Work Experience Education	3
OR	

Management Concentration (Total 9)
Complete all of the following
Management Program Elective (Total 6)
Complete all of the following

MGT 101 - Management Principles	3
MGT 115 - Human Behavior in Organization	3

Management Program Elective - Choose one (Total 3)

MGT 121 - Human Resources Management	3
MGT 199 - Work Experience Education	3
MGT 201 - Small Business Management	3

Recommended Pathway
Marketing Concentration

Fall, First Semester	**Units**
Required Course (BUS 105)	3
Required Course (CA 103)	3
BUS 101 - Introduction to Business	3
BUS 111 - Business English	3
AVC GE Area 1A (ENGL C1000)	4
	Total 16
Spring, Second Semester	
Required Course (CA 121)	3
Marketing Program Elective (MKTG 101)	3
STAT C1000 ***OR*** any AVC GE Area 2	3-4
COMM C1000 ***OR*** any AVC GE Area 1B	3
	Total 12-13
Summer	
BUS 212 - Women and Minorities in Business	3
	Total 3
Fall, Third Semester	
BUS 121 - Fundamentals of Investment and Personal Finance	3
Required Course (ACCT 111)	3
Marketing Program Elective (MKTG 130)	3
MUSC 102 ***OR*** any AVC GE Area 3	3
General Elective	2
	Total 14
Spring, Fourth Semester	
BUS 201 - Business Law	3
BUS 113 - Business Communications	3
Marketing Program Elective (MKTG 132)	3
BIOL 104 ***OR*** any AVC GE Area 5	3
AVC GE Area 6	3
	Total 15
	Degree Total 60-61

Recommended Pathway
Management Concentration

Fall, First Semester	**Units**
Required Course (BUS 105)	3
Required Course (CA 103)	3
BUS 101 - Introduction to Business	3
BUS 111 - Business English	3
AVC GE Area 1A (ENGL C1000)	4
	Total 16
Spring, Second Semester	
Required Course (CA 121)	3
Management Program Elective (MGT 101)	3
COMM C1000 ***OR*** any AVC GE Area 1B	3
STAT C1000 ***OR*** any AVC GE Area 2	3-4
	Total 12-13
Summer	
BUS 212 - Women and Minorities in Business	3
	Total 3
Fall, Third Semester	
Required Course (ACCT 111)	3
BUS 121 - Fundamentals of Investment and Personal Finance	3
Management Program Elective (MGT 115)	3
AVC GE Area 6	3
General Elective	2
	Total 14
Spring, Fourth Semester	
BUS 113 - Business Communications	3
BUS 201 - Business Law	3
Management Program Elective (MGT 121 ***OR*** MGT 199 ***OR*** MGT 201)	3
BIOL 104 ***OR*** any AVC GE Area 5	3
MUSC 102 ***OR*** any AVC GE Area 3	3
	Total 15
	Degree Total 60-61

Business Administration 2.0 AS-T

The Associate in Science in Business Administration 2.0 for Transfer (AS-T Business Administration 2.0) degree provides students with an entry-level understanding of business, accounting, and economics. Students will recognize and respond to changing economic conditions within the business environment that determine how goods and services are produced, distributed, and consumed in a society. This coursework will satisfy the lower-division business administration requirements at the California State University but do not exclude admittance to other colleges or universities.

To earn an Associate in Science in Business Administration 2.0 for Transfer (AS-T in Business Administration 2.0) degree, a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district.
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Business Administration 2.0 AS-T (Total 28)

Complete all of the following	**Units**
Required Courses (Total 8)	
Complete all of the following	
ACCT 201 - Financial Accounting	4
ACCT 205 - Managerial Accounting	4
Required Course - Choose One (Total 3)	
Complete the following number of units: 3	
ECON C2002 - Principles of Macroeconomics	3
ECON C2002H - Principles of Macroeconomics - Honors	3

Required Course - Choose One (Total 3)
Complete the following number of units: 3

ECON C2001 - Principles of Microeconomics	3
ECON C2001H - Principles of Microeconomics - Honors	3

Required Course - Choose One (Total 3)
Complete the following number of units: 3

BUS 201 - Business Law	3
BUS 201H - Business Law Honors	3

Required Course - Choose one (Total 4)
Complete the following number of units: 4

STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4
MATH 116 - Introduction to Statistics Using R	4

Required Course - Choose one (Total 4)
Complete the following number of units: 4

MATH 148 - Calculus for Business and Economics	4
MATH 124 - Finite Math	4

Required Course - Choose one (Total 3)
Complete the following number of units: 3

BUS 101 - Introduction to Business	3
BUS 113 - Business Communications	3

Recommended Pathway

Term 1	**Units**
AVC E Area 1A (ENGL C1000)	4
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 2 (STAT C1000)	4
Cal-GETC GE Area 3A	3
General Elective	1
	Total 15
Term 2	
Required Course (BUS 101 ***OR*** BUS 113)	3
Cal-GETC GE Area 4 (ECON C2001)	3
Cal-GETC GE Area 1B	3
Required Course (MATH 148 ***OR*** MATH 124)	4
Cal-GETC GE Area 3B	3
	Total 16
Term 3	
ACCT 201 - Financial Accounting	4
Cal-GETC GE Area 5A	3
ECON C2002 - Principles of Macroeconomics	3
General Elective	2
Required Course (BUS 201 ***OR*** BUS 201H)	3
	Total 15
Term 4	
Cal-GETC GE Area 5B	3
Cal-GETC GE Area 4	3
Cal-GETC GE Area 5C	1
ACCT 205 - Managerial Accounting	4
Cal-GETC GE Area 6	3
	Total 14
	Degree Total 60

Business Courses

BUS 101 INTRODUCTION TO BUSINESS

3 Units

Total Course Lecture Hour 54

A survey in business providing a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices within the U.S. and a global society. Demonstrates how these influences impact the primary areas of business including: organizational structure and design; leadership, human resource management, organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting, financial practices; the stock and securities market; and therefore affect a business ability to achieve its organizational goals. (C-ID: BUS 110) (UC, CSU, AVC)

BUS 105 BUSINESS MATHEMATICS

3 Units

Total Course Lecture Hours 54

Business Mathematics presents the basic principles of mathematics used in business operations. This course applies mathematics to daily business experiences and includes practical application of equations, formulas, and arithmetic processes essential to business. (AVC)

BUS 111 BUSINESS ENGLISH

3 Units

Total Course Lecture Hours 54

This course presents the principles of effective written and spoken communication styles applicable to business or professional careers. It is a comprehensive review and reinforcement of the fundamentals of English grammar and style, punctuation, word usage, vocabulary, writing mechanics, and sentence, paragraph and business document construction. (AVC)

BUS 113 BUSINESS COMMUNICATIONS

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of BUS 111 and Completion of ENGL C1000.*

This course applies the principles of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. This course emphasizes planning, organizing, composing, and revising business documents using word processing software for written documents and presentation-graphics software to create and deliver professional-level oral reports. This course is designed for students who already have college-level writing skills. (C-ID: BUS 115) (CSU, AVC)

BUS 121 FUNDAMENTALS OF INVESTMENT AND PERSONAL FINANCE

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of BUS 105.*

This course provides an introduction to the principles of investments and money management. It will introduce students to personal finance practices, the variety of assets an individual investor may accumulate, their institutional settings and valuation with primary focus on stocks, bonds, and mutual funds as wealth accumulation instruments. (CSU, AVC)

BUS 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

Limit on Enrollment: *To participate in work experience education, students must have a paid or unpaid job or internship and have the approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students with a realistic learning experience through work in the business environment. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as employees in various situations and jobs in the business field. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the business environment. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

BUS 201 BUSINESS LAW

3 Units

Total Course Lecture Hours 54

This course presents an examination of our commercial environment. Includes analysis of the historical development leading into our contemporary institutions and processes. Contracts, sales, Uniform Commercial Code and negotiable instruments are emphasized. Students will be challenged in areas of critical analysis, logic and reasoning. (C-ID: BUS 125) (UC, CSU, AVC)

BUS 201H BUSINESS LAW HONORS

3 Units

Total Course Lecture Hours 54

This honors course, intended for students in the Honors Transfer Program, presents an examination of our commercial environment. Includes analysis of the historical development leading into our contemporary institutions and processes. Contracts, sales, Uniform Commercial Code and negotiable instruments are emphasized. Students will be challenged in areas of critical analysis, logic and reasoning. Honor students will prepare an analytical research report to better understand how businesses and the law interact. The honors course provides more content and requires greater intensity and depth of study than the non-honors course. (UC, CSU, AVC) Note: Students may take either BUS 201 Business Law or BUS 201H Business Law Honors. Duplicate credit will not be awarded.

BUS 212 WOMEN AND MINORITIES IN BUSINESS

3 Units

Total Course Lecture Hours 54

This transfer-level course is designed to identify and compare differences in gender communication and workplace diversity in an organizational setting. Awareness of the differences in both genders is emphasized to improve interaction between genders in business settings. The effects of gender communication and workplace diversity on the specific ethnic groups of African American, Asian American, Latino, and Native American women are examined. Special emphasis is placed on how gender impacts the outlook regarding work in organizations, the differences in work/life prioritization, and the evaluation of work performance based on sex and gender-specific criteria. The course will evaluate the role of women and minorities in such areas as enhanced employee relations, goal setting, networking, competing, sexism, mentoring, and career leadership planning. (UC, CSU, AVC)

Business Non Credit Courses

BUS 901 ESSENTIAL INVENTORY CONTROL SKILLS - FOUNDATIONS

0 Units

Total Course Lecture Hours 18

This course provides foundational knowledge and skills necessary for managing inventory in warehouse and distribution environments. Topics include inventory types, control systems, warehouse management systems, and strategies for optimizing inventory levels to ensure operational efficiency. (R unlimited)

BUS 902 ESSENTIAL SKILLS FOR WAREHOUSING AND DISTRIBUTIONS

0 Units

Total Course Lecture Hours 18

Prerequisite: *Completion of or concurrent enrollment in BUS 901.*

This course covers the fundamentals and best practices of working in a warehouse and managing inventory transactions. After successfully completing this course, an individual would be prepared to step into the role of warehouse technician, warehouse worker, warehouse operator, shipping clerk, receiving clerk, or inventory clerk. (R Unlimited)

BUS 903 SUPPLY CHAIN WAREHOUSE MANAGEMENT

0 Units

Total Course Lecture Hours 18

Prerequisite: *Completion of BUS 901 and 902.*

This course teaches the fundamentals of distribution inventory management, product storage, packaging and shipment, sustainability in logistics, and more. Students will learn to use inventory management systems in warehouses and distribution centers, as well as make appropriate decisions about the use of different types of transportation carriers. (R unlimited)

BUS 904 LOGISTICS, TRANSPORTATION AND DISTRIBUTION

0 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of BUS 901, 902, and 903.*

This class will prepare students to take the CLTD exam. The comprehensive program covers everything that students will need to be know about logistics, distribution and transportation best practices. Earning the CLTD designation shows that a student has the skills to prepare for and overcome disruption, manage risk, manage orders, manage inventory, develop logistic strategy, and evaluate and implement modern warehouse, distribution and logistics technologies. Students will develop competencies to successfully work across all functions of the supply chain and across global logistics and transportation networks. (R unlimited)

BUS 905 CAPSTONE

0 Units

Total Course Lecture Hours 36

Prerequisite: *Completion of BUS 904.*

This course will engage students in strategic decision-making, complex problem-solving, and real-world case analysis. By simulating real-world scenarios and projects, students will apply principles to manage logistics networks, optimize supply chain performance, and improve service levels. Students will also develop a comprehensive logistics management strategy, tackling contemporary issues such as sustainability, technology integration, and risk management. (R unlimited)

BUS 911 ATTITUDE IN THE WORKPLACE

0 Units

Total Course Lecture Hours 9

This course equips students with essential skills to cultivate and sustain a positive attitude both at work and at home. It covers how attitudes are expressed and provides strategies for adjusting one's attitude. The course is graded on a Pass/No Pass basis. (R unlimited)

BUS 912 CUSTOMER SERVICE

0 Units

Total Course Lecture Hours 9

This course is designed to provide the student with key skills and attitudes in order to effectively meet the needs of customers. Participants will be introduced to the key elements of outstanding customer service. Topics will also include understanding and exceeding customer expectations, and how to deal with unrealistic expectations. The course addresses both internal and external customer service. Pass/No Pass only. (R unlimited)

BUS 913 COMMUNICATION IN THE WORKPLACE

0 Units

Total Course Lecture Hours 9

This course is designed to introduce the student to key elements in communication within business organizations. Topics will include verbal and nonverbal communication, listening skills and specific workplace communication skills, Pass/No Pass only. (R unlimited)

BUS 990 HOW TO START YOUR BUSINESS

0 Units

Total Course Lecture Hours 18

This course is designed to provide students with the necessary tools and skills to successfully start a business. Some topics and activities include forms of business ownership, registering a business name, licensing and permit requirements, and obtaining a Federal Tax ID number or Employer Identification Number (EIN). (R unlimited)

BUS 991 HOW TO MAINTAIN YOUR BUSINESS

0 Units

Total Course Lecture Hours 36

This course is to help students to be prepared and organized when operating a business. Some topics and activities include opening and maintaining a business bank account, tracking mileage and business expenses, understanding estimated payments and tax exemptions, and understanding basic record-keeping for a sole proprietorship. (R unlimited)

BUS 999 MAP FOR WORKPLACE SUCCESS

0 Units

Total Course Lecture Hours 36

This course is designed to provide students with the necessary tools and skills to assist them in the creation of a plan to be successful in the workplace. Some topics and activities include time management, job market realities, writing for the job, and preparing for a meeting with a potential employer. (R unlimited)

Department Description

The Business Information Professional is designed to prepare students for careers in business office environments where they can demonstrate advanced computer literacy with respect to computer hardware and software applications, develop advanced keyboarding skills, adeptly function in word processing, spreadsheets, PowerPoint, and database software as well as perform advanced business office tasks in business math and accounting (QuickBooks). The Business Information Professional program offers three certificates as well as an Associates Degree in Science. These progressive levels of expertise are designed to enable students to gain or enhance their employment in the business office and administrative fields.

Note: Each certificate level must be completed before enrolling in the next level.

Program Learning Outcomes

AI Strategies for Entrepreneurs, Small Business Owners, and Employees Certificate (Noncredit)

1. Build foundational AI literacy.
2. Apply AI to workforce and business practices.
3. Address ethical, legal, and societal dimensions.
4. Evaluate and strategize with AI for career and organizational advantage.

BIP Level I - Business Information Professional Quick Start Certificate of Achievement

1. Demonstrate beginning keyboarding competence, proofreading, and document formatting skills while applying the principles of grammar and communication.
2. Plan and format electronic spreadsheets utilizing formulas and functions to manage financial data as well as demonstrating essential business math within a spreadsheet application.
3. Distinguish between different computer components and explain how each component might be used in the business environment.
4. Demonstrate beginning presentation skills in a business environment.

BIP Level II - Business Information Professional Two Certificate of Achievement

1. Demonstrate intermediate keyboarding competence, proofreading, and document formatting skills while applying the principles of grammar and communication.
2. Plan and format basic electronic database software utilizing functions to manage and control business data.
3. Prepare and analyze basic financial statements within QuickBooks.

BIP Level III - Business Information Professional Three Certificate of Achievement

1. Demonstrate advanced keyboarding competence, proofreading, and document formatting skills while applying the principles of grammar and communication.
2. Demonstrate and format electronic spreadsheets utilizing advanced formulas and functions to manage financial and statistical data.
3. Develop and demonstrate advanced database skills in managing and manipulating various data into forms and reports.

Business Information Professional AS

1. Demonstrate advanced keyboarding competence, proofreading, and document formatting skills while applying the principles of grammar and communication.
2. Demonstrate and format electronic spreadsheets utilizing advanced formulas and functions to manage financial and statistical data.
3. Develop and demonstrate advanced database skills in managing and manipulating various data into forms and reports.

Customer Service Essentials Cert (Noncredit)

1. Demonstrate proficiency in verbal and nonverbal communication techniques, active listening, and workplace communication strategies to enhance collaboration and understanding within business organizations.
2. Positive Attitude Management: Identify and apply techniques for maintaining a positive attitude in both professional and personal settings, recognizing the impact of attitude on workplace dynamics and personal relationships.
3. Outstanding Customer Service Practices: Utilize key principles of exceptional customer service to meet and exceed the expectations of both internal and external customers, including effective strategies for managing challenging situations and unrealistic customer demands.
4. Conflict Resolution Skill: Develop and implement effective conflict resolution strategies to address and resolve workplace disputes, ensuring a harmonious and productive work environment.
5. Time Management and Organizational Skills: Demonstrate the ability to manage time efficiently and organize tasks effectively to meet deadlines and enhance overall productivity in a customer service role.
6. Cultural Competence and Diversity Awareness: Recognize and respect cultural differences in the workplace, applying inclusive practices to interact effectively with diverse customer bases and colleagues.

Certificate Programs

BIP Level I - Business Information Professional Quick Start Certificate of Achievement

Upon successful completion of the Level I Business Information Professional Certificate, students should be able to: demonstrate beginning computer literacy with respect to computer hardware and software applications, develop beginning keyboarding skills, use word processing and spreadsheets to perform basic business and office tasks, apply written communication skills in various business and office environments.

Students who successfully complete the certificate requirements may apply for entry-level positions in general office support, clerical support, data entry, reception, and administrative support.

Program Requirements

BIP Level I - Business Information Professional Quick Start Certificate of Achievement (Total 12)

Complete all of the following	**Units**
BIP 100 - Introduction to Business Information Professional	3
BIP 105 - Computer Literacy	1
BIP 106 - MS Outlook	1
BIP 110 - Keyboarding I	1
BIP 111 - MS Word I	1
BIP 112 - MS Excel I	1
BIP 114 - MS PowerPoint I	1
BIP 115 - Practical Math for Business and Consumers	3

Recommended Pathway	
Fall, First Semester	**Units**
BIP 100 - Introduction to Business Information Professional	3
BIP 106 - MS Outlook	1
BIP 110 - Keyboarding I	1
BIP 111 - MS Word I	1
BIP 112 - MS Excel I	1
BIP 114 - MS PowerPoint I	1
BIP 105 - Computer Literacy	1
BIP 115 - Practical Math for Business and Consumers	3
	Total 12
	Certificate Total 12

BIP Level II - Business Information Professional Two Certificate of Achievement

Upon successful completion of the Level II Business Information Professional Certificate students should be able to: demonstrate intermediate computer literacy with respect to computer hardware and software applications, develop intermediate keyboarding skills, use word processing, spreadsheets, and database software to perform beyond basic business office tasks, as well as apply graphics and written communication skills in various business and office environments. BIP Level I certificate must be completed before attempting this certificate.

Students who successfully complete the certificate requirements may apply for entry-level positions in administrative support, office coordination, data management, customer service support, and general business office operations.

Program Requirements

BIP Level II - Business Information Professional Two Certificate of Achievement (Total 12)

Complete all of the following	Units
BIP 113 - MS Access I	1
BIP 120 - Keyboarding II	1
BIP 121 - MS Word II	1
BIP 122 - MS Excel II	1
BIP 123 - MS Access II	1
BIP 125 - Adobe Acrobat	1
BIP 126 - Workplace Communication	3
BIP 127 - Introduction to Accounting	3

Recommended Pathway	
Fall Semester	**Units**
BIP 113 - MS Access I	1
BIP 120 - Keyboarding II	1
BIP 121 - MS Word II	1
BIP 125 - Adobe Acrobat	1
	Total 4
Spring Semester	
BIP 122 - MS Excel II	1
BIP 123 - MS Access II	1
BIP 126 - Workplace Communication	3
BIP 127 - Introduction to Accounting	3
	Total 8
	Certificate Total 12

BIP Level III - Business Information Professional Three Certificate of Achievement

Upon successful completion of the Level III, Business Information Professional Certificate, students should be able to: demonstrate advanced computer literacy with respect to computer hardware and software applications, develop advanced keyboarding skills, utilize word processing, spreadsheets, PowerPoint, and database software to perform advanced business office tasks. BIP Level II certificate must be completed before attempting this certificate.

Students who successfully complete the certificate requirements may apply for entry-level positions in advanced administrative support, office operations, executive office support, records management, and business information processing.

Program Requirements

BIP Level III - Business Information Professional Three Certificate of Achievement (Total 8)

Complete all of the following	Units
BIP 124 - MS PowerPoint II	1
BIP 130 - Keyboarding III	1
BIP 131 - MS Word III	1
BIP 132 - MS Excel III	1
BIP 133 - MS Access III	1
BIP 150 - Business Information Professional	3

Recommended Pathway	
Semester 1	**Units**
BIP 124 - MS PowerPoint II	1
BIP 130 - Keyboarding III	1
BIP 131 - MS Word III	1
BIP 132 - MS Excel III	1
BIP 133 - MS Access III	1
BIP 150 - Business Information Professional	3
	Total 8
	Certificate Total 8

Certificate Programs (Noncredit)

AI Strategies for Entrepreneurs, Small Business Owners, and Employees Certificate (Noncredit)

This noncredit certificate program is designed to give aspirational entrepreneurs, existing business owners, and key employees a strong understanding of artificial intelligence concepts, tools, and strategies. Participants will learn how to leverage AI to create a strategic advantage, improve operational efficiency, and enhance decision-making. The certificate emphasizes practical, task-based learning so that students can apply concepts immediately to real-world business scenarios. Whether launching a startup, pivoting an existing business, or managing day-to-day operations, students will leave with actionable skills to integrate AI effectively and ethically.

Program Requirements

Required Courses for AI Strategies for Entrepreneurs, Small Business Owners, and Employees (Total 162)

Complete all of the following	Hours
BIP 995 - Foundations of Artificial Intelligence in Business	54
BIP 996 - Applications of AI Tools for Business Productivity	54
BIP 997 - AI for Daily Business Management	54

Recommended Pathway	
Term 1	**Hours**
BIP 995 - Foundations of Artificial Intelligence in Business	54
	Total 54
Term 1	
BIP 996 - Applications of AI Tools for Business Productivity	54
	Total 54
Term 1	
BIP 997 - AI for Daily Business Management	54
	Total 54
	Degree Total 162

Customer Service Essentials Cert (Noncredit)

This non-credit certificate program features practical, hands-on activities designed to provide you with the skills needed to excel in customer service, stakeholder communication, and teamwork. Participants will engage in high-energy, cutting-edge training that empowers them to effectively serve both internal and external customers. The program is conveniently offered on campus or online. Join us to elevate your customer service standards and foster a more collaborative approach to your work environment.

Program Requirements
Customer Service Essentials Cert (Noncredit) (Total 27)

Complete all of the following	**Hours**
BUS 911 - Attitude in the Workplace	9
BUS 912 - Customer Service	9
BUS 913 - Communication in the Workplace	9

Recommended Pathway	
Term 1	**Hours**
BUS 911 - Attitude in the Workplace	9
	Total 9
Term 2	
BUS 912 - Customer Service	9
	Total 9
Term 3	
BUS 913 - Communication in the Workplace	9
	Total 9
	Certificate Total 27

Associate Degree

Business Information Professional AS

The Associate in Science degree in Business Information Professional is designed to prepare students for careers in business office environments where they can demonstrate advanced computer literacy with respect to computer hardware and software applications, develop advanced keyboarding skills, adeptly function in word processing, spreadsheets, PowerPoint, and database software, as well as perform advanced business office tasks in business math and accounting (QuickBooks).

The requirements for this Associate Degree in Business Information Professional may be satisfied by completing the Level I, II, and III BIP certificates of achievement plus 21 units of general education requirements and sufficient elective credits to total 60 units. (See graduation/associate degree requirements.)

Program Requirements
BIP Business Information Professional AS (Total 32)
Complete all of the following
Required Courses (Total 32)
Complete all of the following

BIP 100 - Introduction to Business Information Professional	3
BIP 105 - Computer Literacy	1
BIP 106 - MS Outlook	1
BIP 110 - Keyboarding I	1
BIP 111 - MS Word I	1
BIP 112 - MS Excel I	1
BIP 113 - MS Access I	1
BIP 114 - MS PowerPoint I	1
BIP 115 - Practical Math for Business and Consumers	3
BIP 120 - Keyboarding II	1
BIP 121 - MS Word II	1
BIP 122 - MS Excel II	1
BIP 123 - MS Access II	1
BIP 124 - MS PowerPoint II	1
BIP 125 - Adobe Acrobat	1
BIP 126 - Workplace Communication	3
BIP 127 - Introduction to Accounting	3
BIP 130 - Keyboarding III	1
BIP 131 - MS Word III	1
BIP 132 - MS Excel III	1
BIP 133 - MS Access III	1
BIP 150 - Business Information Professional	3

Recommended Pathway	
Fall Semester	**Units**
BIP 100 - Intro to Business Information Professional	3
BIP 105 - Computer Literacy	1
BIP 106 - MS Outlook	1
BIP 110 - Keyboarding I	1
BIP 111 - MS Word I	1
BIP 112 - MS Excel I	1
BIP 114 - MS PowerPoint I	1
AVC GE Area 2	3
BIP 115 - Practical Math for Business and Consumers	3
	Total 15
Spring Semester	
BIP 113 - MS Access I	1
BIP 120 - Keyboarding II	1
BIP 121 - MS Word II	1
BIP 122 - MS Excel II	1
BIP 123 - MS Access II	1
BIP 125 - Adobe Acrobat	1
BIP 126 - Workplace Communication	3
AVC GE Area 1A (ENGL C1000)	4
BIP127 - Introduction to Accounting	3
	Total 16
Summer Semester	
General Elective	2
	Total 2

Fall Semester

BIP 124 - MS PowerPoint II	1
BIP 130 - Keyboarding III	1
BIP 131 - MS Word III	1
BIP 132 - MS Excel III	1
BIP 133 - MS Access III	1
BIP 150 - BIP Business Information Professional	3
COMM C1000 ***OR*** any AVC GE Area 1B	3
MUSC 102 ***OR*** any AVC GE Area 3	3
Total	**14**

Spring Semester

BIOL 104 ***OR*** any AVC GE Area 5	3
POLS C1000 ***OR*** any AVC GE Area 4	3
AVC GE Area 6	3
General Elective	3
General Elective	1
Total	**13**
Degree Total	**60**

Business Information Professional Courses

BIP 100 INTRODUCTION TO BUSINESS INFORMATION PROFESSIONAL

3 Units

Total Course Lecture Hours 54

This course provides the learner with a survey of skills and topics covered in the Business Information Professional Program certificates and degree program. Business English, entry-level office procedures such as the role of a business information professional, the workplace environment, workplace communication, ethics, customer focus, and teamwork are covered. The focus is an introduction to skills that are relevant to success as an office clerk, administrative assistant, office manager, or other business information professional roles. (AVC)

BIP 105 COMPUTER LITERACY

1 Unit

Total Course Lecture Hours 13.5

Total Course Lab Hours 13.5

This course is designed for those with little or no computer experience. Learners practice file management, email, instant messaging, Internet browsing and searching. This course includes a brief introduction to industry standard Microsoft Office (word processing, spreadsheet, and presentation) application programs. Computer terminology and identification of fundamental hardware and software applications is introduced. (AVC)

BIP 106 MS OUTLOOK

1 Unit

Total Course Lecture Hours 13.5

Total Course Lab Hours 13.5

This course introduces personal management software and use of Microsoft Outlook functions. Topics include management of e-mail, organization of contacts, creation and scheduling of events using the calendar, and creating and managing tasks for personal and business use. Customization of Outlook features is also covered. (AVC)

BIP 110 KEYBOARDING I

1 Unit

Total Course Lecture Hours 13.5

Total Course Lab Hours 13.5

This is a beginning-level keyboarding course designed to build effective keyboarding skills with an emphasis on building correct touch-typing techniques for alphanumeric, symbol, and punctuation keys. A foundation for keyboarding speed and accuracy is developed and proofreader's marks are introduced. Successful completion of this class results in a minimum keyboarding speed of 15 net words per minute on a two-minute timed writing. Completion of BIP 110 with a satisfactory grade may substitute for OT 101. (AVC)

BIP 111 MS WORD I

1 Unit

Total Course Lecture Hours 13.5

Total Course Lab Hours 13.5

This course provides the initial introduction to Microsoft Word which is a document processing application. Students will learn to create and edit documents, navigate and format a document, create tables and multi-page reports, and enhance page layout and design. This class is designed for the end-user seeking administrative office skills. This vocationally-oriented course will serve students seeking a certificate, associate degree, or desiring to transfer to a four-year institution. Completion of BIP 111, 121, and 131 with a successful grade may substitute for OT 113. (AVC)

BIP 112 MS EXCEL I

1 Unit

Total Course Lecture Hours 13.5

Total Course Lab Hours 13.5

This course is designed to provide the learner with a basic understanding of Microsoft Excel beginning with spreadsheet design, creation, revision, formatting, and printing a workbook. Basic formulas, functions, and syntax are introduced along with an introduction to using charts and graphs. Problem solving for Excel solutions is also emphasized. This course begins preparation for the Microsoft Office User Certification exam for Excel. Completion of BIP 112, 122, and 132 with a satisfactory grade may substitute for OT 121. (AVC)

BIP 113 MS ACCESS I

1 Unit

Total Course Lecture Hours 13.5

Total Course Lab Hours 13.5

This course is designed to provide the learner with a basic understanding of fundamental relational database design and management. Building and editing basic tables, forms, queries, and reports are introduced. This course begins preparation for the Microsoft Office User Specialist exam for MS Access. (AVC)

BIP 114 MS POWERPOINT I

1 Unit
Total Course Lecture Hours 13.5
Total Course Lab Hours 13.5

This course provides the learner with experience planning, creating, editing, viewing, and printing PowerPoint presentations. Included is the opportunity to add and modify both text and graphics; insert and modify information graphics and multimedia; apply, modify, and create master pages; and to apply, modify, and create templates. Integration with other Microsoft programs is included. This course is designed for all individuals including professionals acquiring or updating basic skills in creating and editing professional presentations. This course prepares for the Microsoft Office User Certification in MS PowerPoint. Completion of BIP 114 and BIP 124 with a satisfactory grade replaces the former CA 141 course. (AVC)

BIP 115 PRACTICAL MATH FOR BUSINESS AND CONSUMERS

3 Units
Total Course Lecture Hours 54

This course introduces practical mathematical applications for business information professionals. Topics include, solving business problems using an electronic calculator, banking, payroll, invoicing, markups/markdowns, interest, present and future value, credit cards, student loans, types of insurance, installment buying, and mortgages. (AVC)

BIP 120 KEYBOARDING II

1 Unit
Total Course Lecture Hours 13.5
Total Course Lab Hours 13.5
Prerequisite: *Completion of or concurrent enrollment in BIP 110.*

This intermediate-level course builds on a basic keyboarding foundation with correct touch typing techniques, including alphabetic, numeric, and symbol keyboarding, as well as 10-Key numeric keypad. Skill-building includes introductory formatting of documents using Microsoft Word. Successful completion of this class results in a minimum keyboarding speed of 30 net words per minute on a three-minute timed writing. Completion of OT 102 with a satisfactory grade may substitute for BIP 120 (note -- BIP 120 cannot substitute for OT102). (AVC)

BIP 121 MS WORD II

1 Unit
Total Course Lecture Hours 13.5
Total Course Lab Hours 13.5
Prerequisite: *Completion of or concurrent enrollment in BIP 111.*

This course is designed to provide the learner with an intermediate level of understanding of word processing with Microsoft Word, including complex document creation, mail merge, columns, formatting, plus integration with other applications, and collaborating on documents using Microsoft Word. Themes, templates, and styles are also covered. This course continues preparation for the Microsoft Office User Exam for Microsoft Word. Completion of BIP 111, 121, and 131 with a satisfactory grade may substitute for OT 113. (AVC)

BIP 122 MS EXCEL II

1 Unit
Total Course Lecture Hours 13.5
Total Course Lab Hours 13.5
Prerequisite: *Completion of or concurrent enrollment in BIP 112.*

This course is designed to provide the learner with an intermediate understanding of Microsoft Excel. Analyzing data, working with multiple worksheets and functions, pivot tables, resolving conflicts, tracking changes, data validation, chart formatting, templates, and macros are covered. Problem solving for Excel solutions is also emphasized. This course continues preparation for the Microsoft Office User Certification exam for Excel. Completion of BIP 112, 122, and 132 with a satisfactory grade may substitute for OT 121. (AVC)

BIP 123 MS ACCESS II

1 Unit
Total Course Lecture Hours 13.5
Total Course Lab Hours 13.5
Prerequisite: *Completion of or concurrent enrollment in BIP 113.*

This course is designed to provide the learner with an intermediate understanding of database design and management. Advanced Queries, table design, custom forms and reports as well as integration of Access with the web and other programs is covered. This course continues preparation for the Microsoft Office User Specialist exam for MS Access. (AVC)

BIP 124 MS POWERPOINT II

1 Unit
Total Course Lecture Hours 13.5
Total Course Lab Hours 13.5
Prerequisite: *Completion of or concurrent enrollment in BIP 114.*

This second-level PowerPoint course builds on a fundamental skillset to feature the use of PowerPoint as a tool for designing, producing, and controlling visual elements to build and deliver effective presentations. Creating templates, publishing, customizing, and protecting presentations as well as inserting audio, video, and animations and integrating with other programs is included. This course focuses on design and effective delivery methods which are explored through project presentations. Completion of BIP 114 and BIP 124 with a satisfactory grade replaces the former CA 141 course. (AVC)

BIP 125 ADOBE ACROBAT

1 Unit
Total Course Lecture Hours 13.5
Total Course Lab Hours 13.5

This course is designed to provide the learner with a basic understanding of Adobe Acrobat. Topics include creating portable document files (PDF), working with PDF files, annotation and editing of files plus interactive forms. Distribution and management of PDFs is also covered. (AVC)

BIP 126 WORKPLACE COMMUNICATION

3 Units

Total Course Lecture Hours 54

This course covers essential communication skills and techniques important to the modern workplace, including written, verbal, listening, and nonverbal communication. Learners discuss, critique, and practice business-writing strategies to produce messages, letters, reports, and workplace communication while developing critical thinking skills. (AVC)

BIP 127 INTRODUCTION TO ACCOUNTING

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

Prerequisite: *Completion of BIP 115.*

This course covers basic accounting concepts and procedures that are required to complete an accounting cycle using generally accepted accounting principles (GAAP). Employer tax responsibilities and payroll is covered. Account types, (assets, liabilities, equity, revenue, expenses) as well as procedures for bank reconciliations, and petty cash, are introduced. Learners complete business transactions from source documents to closing entries and the preparation of year end documents such as a balance sheet, income statement, and statement of owner's equity using QuickBooks. (AVC)

BIP 130 KEYBOARDING III

1 Unit

Total Course Lecture Hours 13.5

Total Course Lab Hours 13.5

Prerequisite: *Completion of or concurrent enrollment in BIP 120.*

This is an advanced-level course that builds on an intermediate keyboarding foundation with correct touch typing techniques, including alphabetic, numeric, and symbol keyboarding as well as 10-Key numeric keypad. Skill-building includes introductory formatting of documents using Microsoft Word. Successful completion of this class results in a minimum keyboarding speed of 50+ net words per minute on a five-minute timed writing. Completion of OT 103 with a satisfactory grade may substitute for BIP 130 (Note -- BIP 130 cannot substitute for OT103). (AVC)

BIP 131 MS WORD III

1 Unit

Total Course Lecture Hours 13.5

Total Course Lab Hours 13.5

Prerequisite: *Completion of or concurrent enrollment in BIP 121.*

This course is designed to provide the learner with an advanced level of understanding of word processing with Microsoft Word, including the creation of templates, macros, advanced table formatting, and the use of long documents and sub-documents. Customizing and automating work and online forms are also covered. This course completes preparation for the Microsoft Office User exam for Word. Completion of OT 113 or CA 111 with a satisfactory grade may substitute for BIP 131. (Note --BIP 131 cannot substitute for OT 113 or CA 111). (AVC)

BIP 132 MS EXCEL III

1 Unit

Total Course Lecture Hours 13.5

Total Course Lab Hours 13.5

Prerequisite: *Completion of or concurrent enrollment in BIP 122.*

This course is designed to provide the learner with an advanced understanding of Microsoft Excel. Financial and what-if analysis, data tables, scenario management, importing and exporting data, enhancing with Visual Basic, sub-routines, modifying default settings, and problem-solving tools are covered. Problem solving for Excel solutions is also emphasized. This course completes preparation for the Microsoft Office User Certification exam for Excel. Completion of BIP 112, 122, and 132 with a satisfactory grade may substitute for OT 121. (AVC)

BIP 133 MS ACCESS III

1 Unit

Total Course Lecture Hours 13.5

Total Course Lab Hours 13.5

Prerequisite: *Completion of or concurrent enrollment in BIP 123.*

This course is designed to provide the learner with an advanced understanding of database design and management. Action Queries, table relationships, and automating tasks with macros are covered. Visual Basic for Applications is introduced to enhance database construction and functionality. Managing replication and synchronization is included. (AVC)

BIP 150 BUSINESS INFORMATION PROFESSIONAL

3 Units

Total Course Lecture Hours 54

Advisory: *Complete BIP 150 at the same time as the BIP Level III Certificate.*

Designed for the last semester of study in this major, this course is designed to integrate and refine business information skills presented throughout the program in advanced preparation for the administrative professional occupation. Further administrative procedures including but not limited to travel arrangements, organizing meetings or conferences, and electronic records management are introduced. Emphasis is on time management, customer service, human relations, workplace ethics, and effective communication. A final focus on job applications, interviewing, and employment documents is included. (AVC)

BIP 151 BASIC PRINCIPLES OF CODING FOR THE MEDICAL OFFICE

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of or concurrent enrollment in MOA 101.*

This is an introductory course in the basic principles of coding for the medical office using American Medical Association (AMA) standardized coding procedures and methodology. (AVC)

BIP 152 BEGINNING MEDICAL INSURANCE

3 Units

Total Course Lecture Hours 54

This course provides a comprehensive and concise overview of medical insurance terms and physician billing procedures. It also provides beginning instruction in current ICD CM and CPT coding systems, medical terminology, and an overview of confidentiality issues and legal terms related to medical billing. Students will complete medical insurance forms for group and private insurances, Blue Cross/Blue Shield, HMOs, Medicare, Medi-Cal, and the TRICARE/CHAMPUS Programs. Also covered will be insurance and related forms for Unemployment Insurance, State Disability Insurance, and Workers' Compensation. An overview of hospital billing procedures will be included. (AVC)

BIP 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the student's educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

BIP 205 MEDICAL OFFICE PROCEDURES

3 Units

Total Course Lecture Hours 54

Designed to provide a thorough understanding and offer practical application of the skills needed as a medical administrative assistant. Topics include professional conduct, receptionist duties, telephone techniques, appointment scheduling, organizing and maintaining records, composing medical business correspondence, office maintenance and management, financial responsibilities including the billing process and collections, computer and information processing in the medical office, and preparation for a position as a medical administrative assistant. Continuation of basic knowledge of medical terminology is included. Issues of confidentiality, medical law, and medical ethics will be emphasized. Students will use a medical office simulation software to simulate the administrative office environment. Formerly OT 205 (CSU, AVC)

Business Information Professional Non Credit Courses

BIP 995 FOUNDATIONS OF ARTIFICIAL INTELLIGENCE IN BUSINESS

0 Units

Total Course Lecture Hours 54

This introductory course provides small business owners, entrepreneurs, and community members with a practical understanding of artificial intelligence concepts and their applications in business. Students will learn to define key AI terms in non-technical language, explore real-world use cases, and compare traditional workflows with AI-enhanced processes. The course emphasizes task-based learning and ethical considerations, enabling participants to identify opportunities to apply AI tools to improve efficiency, decision-making, and customer engagement. No prior technical background is required. (R unlimited)

BIP 996 APPLICATIONS OF AI TOOLS FOR BUSINESS PRODUCTIVITY

0 Units

Total Course Lecture Hours 54

This course provides hands-on experience with artificial intelligence tools that support entrepreneurship, small business operations, and organizational productivity. Students will explore AI-driven applications for market research, branding, customer engagement, and business planning. Emphasis is placed on practical, task-based learning, including the use of AI platforms for content creation, financial analysis, and competitive intelligence. By the end of the course, students will be able to apply AI tools to streamline operations, enhance decision-making, and strengthen their business strategy. No prior technical background is required. (R unlimited)

BIP 997 AI FOR DAILY BUSINESS MANAGEMENT

0 Units

Total Course Lecture Hours 54

This course explores how artificial intelligence can be applied to everyday business operations. Students will learn to integrate AI tools into customer service, scheduling, and human resource management, while also applying AI to inventory control, supply chain forecasting, and vendor relations. Instruction emphasizes practical, task-based learning that prepares students to implement AI-driven analytics for financial monitoring and to design personalized marketing campaigns. By the end of the course, students will be able to use AI to improve efficiency, strengthen

Department Description

Chemistry is the discipline of science that explores the physical and chemical laws that define fundamental elemental interactions and hence the composition, properties, and reactivity of all matter.

Traditional teaching may be supplemented with computer and Internet-based instruction. Laboratory activities provide "hands-on" experimentation and discovery into the natural, physical, and chemical characteristics of the earth and our universe. Engineering and life science applications may be presented and computer-based data acquisition and analysis may assist in some lab instruction.

Program Learning Outcomes

Chemistry AS

1. Safely collect, evaluate, and report scientific data from modern laboratory instrumentation and using standard laboratory methods.
2. Evaluate chemical bonding models to explain structures and properties.
3. Predict the outcome of chemical reactions.

Certificate Program

Certificate not applicable.

Associate Degree

Chemistry AS

The Associate in Science in Chemistry degree offers students a fundamental knowledge of chemistry, such as atomic and molecular structure, chemical reactions and mechanisms, thermochemistry, equilibrium, and kinetics. Students will enhance their quantitative problem solving and critical thinking skills. Laboratory work will develop basic laboratory skills, experience with instrumentation, and data collection techniques. The Associate of Science in Chemistry degree prepares students for upper division chemistry courses.
Students must earn a C or better in all courses required for the major in order to qualify for the degree.

Program Requirements
Chemistry AS (Total Core 37)
Complete all of the following

Required Courses (Total 27)	Units
CHEM 120 - General Chemistry	5
CHEM 210 - Organic Chemistry	5
CHEM 220 - Organic Chemistry	5
MATH 160 - Calculus and Analytic Geometry	4
PHYS 110 - General Physics	4
PHYS 120 - General Physics	4

Choose one MATH 150 (Total 5)

MATH 150 - Calculus and Analytic Geometry	5
MATH 150H - Calculus & Analytic Geometry Honors	5

Choose one CHEM 110 (Total 5)

CHEM 110 - General Chemistry	5
CHEM 110H - General Chemistry Honors	5

Recommended Pathway

Term 1	Units
CHEM 110 - General Chemistry ***OR*** CHEM 110H - General Chemistry Honors	5
MATH 150 - Calculus and Analytic Geometry ***OR*** MATH 150H - Calculus & Analytic Geometry Honors	5
AVC GE Area 1A (ENGL C1000)	4
General Elective	2
	Total 16

Term 2	
MATH 160 - Calculus and Analytic Geometry	4
CHEM 120 - General Chemistry	5
AVC GE Area 1B	3
AVC GE Area 4	3
	Total 15

Term 3	
PHYS 110 - General Physics	4
AVC GE Area 5 (BIOL 110)	5
CHEM 210 - Organic Chemistry	5
	Total 14

Term 4	
PHYS 120 - General Physics	4
AVC GE Area 6	3
CHEM 220 - Organic Chemistry	5
AVC GE Area 3	3
	Total 15
	Degree Total 60

Chemistry Courses

CHEM 101 INTRODUCTORY CHEMISTRY

5 Units
Total Course Lecture Hours 72
Total Course Lab Hours 54
Prerequisite: *Completion of Intermediate Algebra or higher or placement by multiple measures.*
This is an introductory study of the nature of matter and its chemical and physical transformation. An emphasis is placed on fundamental laws and principles, elements, compounds and simple chemical reactions. Examines chemical theory in the context of familiar phenomena. Theories are tested and evaluated in the laboratory. This is a general education course for non-science majors. It is an advisory for science majors who have not previously studied chemistry. Science majors who have studied chemistry should consider CHEM 110 instead of this course. (C-ID: CHEM 101) (UC, CSU, AVC)

CHEM 102 INTRODUCTORY CHEMISTRY (ORGANIC & BIOCHEMISTRY)

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Prerequisite: *Completion of CHEM 101.*
This course is a basic study of molecular structure, bonding, nomenclature, reactivity and other physical and chemical properties of organic and biological compounds. It places an emphasis on the preparations, reactions, and naming of compounds. The laboratory generally evaluates material that is covered in lecture. The students learn to acquire and interpret experimental data using safe laboratory techniques and equipment. The course is intended for those planning to earn a degree in an allied-health science or a related field. (C-ID: CHEM 102) (UC, CSU, AVC)

CHEM 110 GENERAL CHEMISTRY

5 Units
Total Course Lecture Hours 72
Total Course Lab Hours 54
Advisory: *Completion of CHEM 101.*
Prerequisite: *Completion of Intermediate Algebra or higher or placement by multiple measures.*
This course is designed for students taking courses in the sciences, mathematics, and related STEM areas. It introduces the atom and its largest subatomic particles. Describes and quantifies how these particles are involved in chemical reactions, physical states, chemical energy, and bonding models. Examines chemical theory in the context of familiar phenomena. Theories are tested and evaluated in the laboratory. To succeed in CHEM 110, students are required to successfully complete CHEM 101 or one year of High School Chemistry. Algebra is used extensively to solve problems involving quantities. One hour of lecture time may be reserved for small group activities and analysis. (C-ID: CHEM 110) (UC, CSU, AVC)

CHEM 110H GENERAL CHEMISTRY HONORS

5 Units
Total Course Lecture Hours 72
Total Course Lab Hours 54
Prerequisite: *Completion of Intermediate Algebra or higher or placement by multiple measures.*
This general chemistry honors course, intended for students in the Honors Transfer Program, introduces the atom and its largest subatomic particles, describes and quantifies, where possible, how these particles and the nature of the atom are involved in chemical reactions, physical state, chemical energy, and bonding models. Algebra is used extensively to solve problems involving quantities. The course examines chemical theory in the context of familiar phenomena. Theories are tested and evaluated in the laboratory. One-hour of lecture time may be reserved for small group activities and analysis. This course is designed for science, mathematics, and related majors. The honors class will not only be given supplemental reading assignments they will also be required to write a scientific paper at the end of the semester. Students in the honors class will have to conduct a research, gather their information on what is already known about the topic, do literature research, conduct experiment(s) and conclude with a written paper (UC, CSU, AVC) Note: Students may take either CHEM 110 General Chemistry or CHEM 110H General Chemistry Honors. Duplicate credit will not be awarded.

CHEM 120 GENERAL CHEMISTRY

5 Units
Total Course Lecture Hours 54
Total Course Lab Hours 108
Prerequisite: *Completion of CHEM 110*
Investigates and quantifies, where possible, the kinetics, entropy, and enthalpy that underlie chemical reactivity. Relates these concepts to chemical equilibrium. Explores application of equilibrium to colligative properties of solutions, acid-base chemistry, precipitation from aqueous solutions, electrochemistry, and coordination compounds. Includes a cursory introduction to the fields of nuclear, organic, polymer, and bio-chemistry. Examines chemical theory in the context of familiar phenomena. Theories are tested and evaluated in the laboratory. This course is designed for science, mathematics, and related majors. (UC, CSU, AVC)

CHEM 210 ORGANIC CHEMISTRY

5 Units
Total Course Lecture Hours 54
Total Course Lab Hours 108
Prerequisite: *Completion of CHEM 120.*
This course is a study of molecular structure, bonding, nomenclature, stereochemistry, spectral and other physical properties of organic compounds. A major topic will be the preparations, reactions, and reaction mechanisms of organic compounds. The laboratory generally evaluates material that is being studied in lecture. Students learn to use and interpret the data from various equipment available in the laboratory. The course is intended for those planning to earn a 4-year degree in science or a related field. (C-ID: CHEM 150) (UC, CSU, AVC)

CHEM 220 ORGANIC CHEMISTRY

5 ***Units***
Total Course Lecture Hours 54
Total Course Lab Hours 108
Prerequisite: *Completion of CHEM 210.*
This course is a continuation of the study of molecular structure, bonding, nomenclature, stereochemistry, spectral and other physical properties of organic compounds. A major topic will be the preparations, reactions, and reaction mechanisms of organic compounds. A short introduction will be given covering biochemical topics. The laboratories generally follow material that is being studied in lecture. The course is intended for those planning to earn a 4-year degree in science or a related field. (UC, CSU, AVC)

Chemistry Non Credit Course

CHEM 990 RESEARCH PRACTICUM

0 Units
Total Course Lecture Hours 18
Total Course Lab Hours 54
This immersive research practicum provides students with hands-on experience in applying theories and concepts in General Chemistry and Organic Chemistry to original research. Under supervision of chemistry faculty mentors, students will select a research project, conduct a literature review and develop a research proposal. Throughout the course, student will design and perform experiment, analyze data using professional scientific instrument, and engage with the scientific literature. Students will also write formal research reports and present their finding through oral or poster presentations. Research methods, experimental design, and effective scientific communication will be emphasized. By participative in this research practicum, students will develop valuable problem-solving and analytical skills. This course will provide students with an opportunity to apply scientific knowledge in the context of "real world" problems, preparing them for future opportunities in advanced study or professional scientific career. (R unlimited)

Department Description

Child and Family Education is the study of three areas addressing the needs of the child and family. They are; the physical, social/emotional, and intellectual development of the child: the child in a social and educational setting outside of the home; and studies concerned with parenting in modern society. The Child & Family Education curriculum is designed to meet the needs of students who wish to qualify for work with groups of young children under private or public auspices. The quality of instruction and the varying educational and professional backgrounds of the faculty provide a program that meets the diverse demands of the many career options.

Program Learning Outcomes

Child and Family Education Cert

1. Students will integrate needs, characteristics, and multiple influences on the development of children birth to age eight as they develop, implement, and evaluate early childhood program practices.
2. Students will intentionally use systematic observations, documentation, and other assessment strategies in the design, implementation, and evaluation of environments, curricula, and activities that support learning through developmental
3. Students will demonstrate positive interaction strategies that support all children's learning, identity, and self-regulation.
4. Students will evaluate and incorporate ethical standards and professional behaviors that deepen understanding, knowledge, and commitment to the early childhood profession.

Child and Family Education AA

1. Students will integrate needs, characteristics, and multiple influences on the development of children birth to age eight as they develop, implement, and evaluate early childhood program practices.
2. Students will intentionally use systematic observations, documentation, and other assessment strategies in the design, implementation, and evaluation of environments, curricula, and activities that support learning through developmental play and positive reinforcement.
3. Students will demonstrate positive interaction strategies that support all children's learning, identity, and self-confidence.
4. Students will develop strategies that promote respectful, reciprocal partnerships between program teachers, families, and their communities.
5. Students will evaluate and incorporate ethical standards and professional behaviors that deepen understanding, knowledge, and commitment to the early childhood profession.

Child and Family Education Associate Teacher Certificate (12 Unit)

1. Comprehensive Understanding: Graduates will demonstrate a strong foundational understanding of child development and family education principles, as evidenced by their ability to apply these concepts in diverse contexts.
2. Effective Communication: Graduates will exhibit excellent communication skills, enabling them to engage collaboratively with families and colleagues to support children's well-being and development.
3. Practical Application: Graduates will showcase their ability to apply theoretical knowledge in practical scenarios, including classroom observations, assessments, and community engagement activities.
4. Career Readiness: Graduates will possess the skills and confidence needed to embark on successful careers in Child and Family Education, becoming valuable assets to their communities and the field as a whole.

Child and Family Education Specialization with Core 8 Option Certificate (24 unit)

1. Students will demonstrate positive interaction strategies that support all children's learning, identity, and self-regulation.
2. Students will integrate needs, characteristics, and multiple influences on the development of children from birth to age eight as they develop, implement, and evaluate early childhood program practices.
3. Students will evaluate and incorporate ethical standards and professional behaviors that deepen understanding, knowledge, and commitment to the early childhood profession.

Early Childhood Education AS-T

1. Students will integrate needs, characteristics, and multiple influences on the development of children birth to age eight as they develop, implement, and evaluate early childhood program practices.
2. Students will intentionally use systematic observations, documentation, and other assessment strategies in the design, implementation, and evaluation of environments, curricula, and activities that support learning through developmental play and positive reinforcement.
3. Students will demonstrate positive interaction strategies that support all children's learning, identity, and self-confidence.
4. Students will develop strategies that promote respectful, reciprocal partnerships between program teachers, families, and their communities.
5. Students will evaluate and incorporate ethical standards and professional behaviors that deepen understanding, knowledge, and commitment to the early childhood profession.

Home Visitor Certificate

1. Analyze how family, culture, ethnicity, and community influence child growth and development using sociological and developmental perspectives.
2. Demonstrate culturally responsive and ethical practices when supporting diverse families and children in community and educational settings.
3. Apply effective communication, leadership, and supervision skills to collaborate with families, educators, and community partners in promoting family well-being and child success.

School-Aged Child Care Certificate

1. Students will integrate needs, characteristics, and multiple influences on the development of children from birth to age eight as they develop, implement, and evaluate early childhood program practices.
2. Students will intentionally use systematic observations, documentation, and other assessment strategies in the design, implementation, and evaluation of environments, curricula, and activities that support learning through developmentally appropriate practices and positive learning outcomes.
3. Students will develop strategies that promote respectful, reciprocal partnerships between program teachers, families, and their communities.
4. Students will evaluate and incorporate ethical standards and professional behaviors that deepen understanding, knowledge, and commitment to the early childhood profession.

School-Aged Child Care AA

1. Students will integrate needs, characteristics, and multiple influences on the development of children birth to age eight as they develop, implement, and evaluate early childhood program practices.
2. Students will intentionally use systematic observations, documentation, and other assessment strategies in the design, implementation, and evaluation of environments, curricula, and activities that support learning through developmental play and positive learning outcomes.
3. Students will demonstrate positive interaction strategies that support all children's learning, identity, and self-confidence.
4. Students will evaluate and incorporate ethical standards and professional behaviors that deepen understanding, knowledge, and commitment to the early childhood profession.

Site Supervisor I Cert

1. Analyze and solve various business problems and scenarios using technology and software.
2. Implement theories in childhood education and the management of preschools, early childhood education centers, and various educational environments.
3. Analyze and research market demand for early childhood education, preschool, and home daycare settings, and develop a marketing plan.

Site Supervisor II Cert

1. Examine and research market demand for early childhood education, preschool, and home daycare settings, and develop a comprehensive marketing plan that includes internet and social media marketing strategies.
2. Apply theories in childhood education and the management of preschools, early childhood education centers, and other educational settings while also learning the principles of supervising adults in early childhood education.
3. Analyze and integrate accounting practices using QuickBooks to manage the financial activity and productivity of preschools, early childhood education centers, and various educational environments.

Skilled Parenting Certificate

1. Explain children's development from conception through adolescence in the physical, social, emotional, and cognitive domains.
2. Identify community resources to support children and their families that facilitates early intervention and/or offers supportive and rehabilitative services.
3. Explain socialization of the child focusing on the interrelationship of family, culture, teachers, and the community.

Certificate Programs

Child and Family Education Cert

The Child and Family Education curriculum is designed to meet the needs of students who wish to qualify for work with groups of young children under private or public settings. The certificate program is designed to enable students to gain employment at the entry-level in selected occupational areas. Completion of certificate qualifies students for the California Child Development Permit. Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
Child & Family Education Cert (Total 33)
Complete all of the following

Required Courses (Total 30)	Units
Complete all of the following	
CFE 101 - Principles and Practices of Teaching Young Children	3
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 103 - The Child in Family and Community Relationship	3
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
CFE 106 - Creative Experiences for Children	3
CFE 115 - Guiding Children's Behavior	3
CFE 116 - Diversity in Early Childhood Education	3
CFE 201 - Child Development Practicum-Observation and Assessment	3
CFE 202 - Child Development Practicum-Emergent Leadership	3
CFE 211 - Health, Safety, and Nutrition for the Young Child	3

Program Electives (Total 3)	
Complete the following number of units: 3	
CFE 104 - Literature for Children	3
CFE 107 - Literacy for Young Children	3
CFE 109 - Supervision and Administration of Childhood Programs I	3
CFE 110 - Supervision and Administration of Childhood Programs II	3
CFE 111 - Supervising Adults Child Care Settings	2
CFE 113 - Inclusive Early Childhood Education- Introduction to Children with Special Needs	3
CFE 114 - Music and Movement Education for the Young Child	3
CFE 120 - Infant/Toddler Development	3
CFE 122 - Infant Toddler Strategies	3
CFE 150 - Parenting: Infancy	1
CFE 151 - Parenting: The Preschool Child	1
CFE 152 - Parenting: The Elementary and Preadolescent Child	1
CFE 155 - Single Parenting	1
CFE 156 - Stepparenting and Blended Families	1
CFE 157 - Parenting the Exceptional Child	1
CFE 199 - Work Experience Education	1-8
DA 103 - Beginning Modern Dance	1
NF 100 - Nutrition	3
NF 102 - Nutrition and Food for Children	3

Recommended Pathway

Term 1	Units
CFE 101 - Principles and Practices of Teaching Young Children	3
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 106 - Creative Experiences for Children	3
CFE 103 - The Child in Family and Community Relationship	3
	Total 12

Term 2

CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
CFE 116 - Diversity in Early Childhood Education	3
CFE 115 - Guiding Children's Behavior	3
Total	**9**

Term 3

CFE 201 - Child Development Practicum-Observation and Assessment	3
CFE 211 - Health, Safety, and Nutrition for the Young Child	3
Total	**6**

Term 4

CFE 202 - Child Development Practicum-Emergent Leadership	3
Program Electives (CFE 107)	3
Total	**6**
Certificate Total	**33**

Child and Family Education Associate Teacher Certificate (12 Unit)

This 12-unit Child and Family Education Stackable Certificate program is meticulously crafted to meet Title 22 and 5 guidelines for the California's Child Development Matrix Associate Teacher requirements, providing students with a solid, beginning foundation in child development and family education. Covering essential topics such as child growth, observation, assessment, communication with families, and cultural responsiveness, our program equips students with the knowledge and practical skills necessary for success in the field.

Courses emphasize hands-on experiences, including classroom observations, family engagement, and community partnerships, our program ensures graduates are well-prepared to make a positive impact on the lives of children and families. With completion of this certificate, students are poised for meaningful careers in Child and Family Education, ready to contribute to the well-being and development of California's young learners and their families.

This Certificate Requires 50 days (of at least 3 hours per day) teaching experience supervised by a full-time permitted and/or credentialed teacher in an approved and licensed ECE setting. Experience can be paid and/or volunteer and must be met within the last two years from the date of certificate application submission.

Program Requirements
Child and Family Education Associate Teacher Certificate (12 Unit) (Total 12)
Complete all of the following

	Units
CFE 101 - Principles and Practices of Teaching Young Children	3
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 103 - The Child in Family and Community Relationship	3
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3

Recommended Pathway

Term 1

	Units
CFE 101 - Principles and Practices of Teaching Young Children	3
CFE 102 - The Developing Child-Child Growth and Development	3
Total	**6**

Term 2

CFE 103 - The Child in Family and Community Relationship	3
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
Total	**6**
Certificate Total	**12**

Child and Family Education Specialization with Core 8 Option (24 Unit)

This 24-unit Child and Family Education stackable certificate is tailored to meet the specific Early Childhood Education requirements of Transitional Kindergarten (TK) teachers in California. It fulfills the essential 24-unit coursework mandate outlined by the California Early Childhood Education Permit by providing the option to explore specialized Core 8 Courses aligned with the California Early Childhood Curriculum Alignment Project (CORE 8).

This flexible and comprehensive program equips educators with foundational Child Development knowledge and the opportunity to delve deeper into areas of early childhood education that align with their interests. Graduates emerge prepared to excel in Early Learning classrooms, implement developmentally appropriate teaching practices, engage families effectively, and specialize in specific aspects of early childhood education, impacting young children's lives and their families.

To apply for the state issued teacher's permit, the student must also have 175 days of teaching experience, working at least 3+ hours per day within four years in an approved setting by the department and licensed setting.

Program Requirements
Child and Family Education Specialization with Core 8 Option Certificate (24 Unit) (Total 24)
Complete all of the following

Required Courses (Total 18)	**Units**
Complete all of the following	
CFE 101 - Principles and Practices of Teaching Young Children	3
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 103 - The Child in Family and Community Relationship	3
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
CFE 116 - Diversity in Early Childhood Education	3
CFE 211 - Health, Safety, and Nutrition for the Young Child	3

Required Course - Choose one (Total 3)
Complete the following number of units: 3

CFE 106 - Creative Experiences for Children	3
CFE 201 - Child Development Practicum-Observation and Assessment	3

(*CFE 201 fulfils CORE 8 Requirements)*

Required Course - Choose one (Total 3)
Complete the following number of units: 3

CFE 115 - Guiding Children's Behavior	3
CFE 202 - Child Development Practicum-Emergent Leadership	3

(*CFE 202 fulfils CORE 8 Requirements)*

Recommended Pathway	
Term 1	**Units**
CFE 101 - Principles and Practices of Teaching Young Children	3
CFE 102 - The Developing Child-Child Growth and Development	3
	Total 6
Term 2	
CFE 103 - The Child in Family and Community Relationship	3
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
	Total 6
Term 3	
CFE 211 - Health, Safety, and Nutrition for the Young Child	3
Required Course (CFE 106 ***OR*** CFE 201)	3
	Total 6
Term 4	
CFE 116 - Diversity in Early Childhood Education	3
Required Course (CFE 115 ***OR*** CFE 202)	3
	Total 6
	Certificate Total 24

Home Visitor Certificate

The Home Visitor Program combines academic coursework in sociology, child development, and family systems with hands-on experience. Students will gain the knowledge and skills necessary to provide in-home support services to families with young children, with a focus on early education, health, safety, and parenting strategies. This interdisciplinary approach equips students to work across educational, health, and social service settings, creating a career pathway rooted in both theory and real-world experience.

Program Requirements
Home Visitor Certificate (Total 21)
Complete the following number of units: 21

Required Courses (Total 18)	
Complete all of the following	
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 103 - The Child in Family and Community Relationship	3
CFE 109 - Supervision and Administration of Childhood Programs I	3
SOC 110 - Ethnic Relations	3
SOC 115 - Modern Relations and Family Life	3
SOC 116 - Sociology of Gender and Sexuality	3

Sociology Option (Total 3)	
Complete the following number of units: 3	
SOCI C1000 - Introduction to Sociology	3
SOCI C1000H - Introduction to Sociology - Honors	3

Recommended Pathway	
Term 1	**Units**
SOCI C1000 - Introduction to Sociology ***OR*** SOCI C1000H - Introduction to Sociology - Honors	3
CFE 102 - The Developing Child-Child Growth and Development	3
SOC 115 - Modern Relationships and Family Life	3
	Total 9
Term 2	
CFE 103 - The Child in Family and Community Relationships	3
SOC 116 - Sociology of Gender and Sexuality	3
SOC 110 - Ethnic Relations	3
CFE 109 - Supervision and Administration of Childhood Programs I	3
	Total 12
	Certificate Total 21

School-Aged Child Care Cert

Students who complete the certificate have enhanced employability in the field of Early Childhood and School-Aged Child Care. Students are well prepared with an in-depth understanding, hands-on experience, and principles of Early childhood and School-Age child development. Students will have completed 33 units to be rewarded with this certificate.
Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
School-Aged Child Care Cert (Total 33)
Complete all of the following

Required Courses (Total 30)	**Units**
Complete all of the following	
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 103 - The Child in Family and Community Relationship	3
CFE 104 - Literature for Children	3
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
CFE 106 - Creative Experiences for Children	3
CFE 201 - Child Development Practicum-Observation and Assessment	3
CFE 202 - Child Development Practicum-Emergent Leadership	3
CFE 211 - Health, Safety, and Nutrition for the Young Child	3
CFE 212 - School Age Programs	3
CFE 213 - Curriculum Strategies for School Age Programs	3

Program Electives (Total 3)	
CFE 107 - Literacy for Young Children	3
CFE 109 - Supervision and Administration of Childhood Programs I	3
CFE 110 - Supervision and Administration of Childhood Programs II	3
CFE 111 - Supervising Adults Child Care Settings	2
CFE 113 - Inclusive Early Childhood Education- Introduction to Children with Special Needs	3
CFE 114 - Music and Movement Education for the Young Child	3
CFE 115 - Guiding Children's Behavior	3
CFE 116 - Diversity in Early Childhood Education	3
CFE 150 - Parenting: Infancy	1
CFE 151 - Parenting: The Preschool Child	1
CFE 152 - Parenting: The Elementary and Preadolescent Child	1
CFE 157 - Parenting the Exceptional Child	1
CFE 199 - Work Experience Education	1-8
NF 102 - Nutrition and Food for Children	3

Recommended Pathway	
Term 1	**Units**
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 106 - Creative Experiences for Children	3
	Total 6
Term 2	
CFE 103 - The Child in Family and Community Relationship	3
CFE 104 - Literature for Children	3
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
	Total 9
Term 3	
CFE 201 - Child Development Practicum-Observation and Assessment	3
CFE 212 - School Age Programs	3
CFE 211 - Health, Safety, and Nutrition for the Young Child	3
	Total 9
Term 4	
CFE 213 - Curriculum Strategies for School Age Programs	3
CFE 202 - Child Development Practicum-Emergent Leadership	3
CFE 115 - Guiding Children's Behavior	3
	Total 9
	Certificate Total 33

Site Supervisor I Cert

The Certificate of Achievement for a Site Supervisor I is tailored to equip aspiring leaders with the necessary skills and knowledge to effectively manage and oversee educational programs in child family centers, home daycare settings, and state-level administrative environments. This comprehensive program emphasizes leadership, best business and administrative practices, and implementing best practices in early childhood education. Students who successfully complete the certificate requirements may pursue positions as early childhood site supervisors, program coordinators, or lead administrators in licensed child development centers, family childcare networks, state-funded preschool programs, and other child and family education settings, consistent with California Child Development Permit requirements.

Program Requirements
Required Courses (Total 22)

Complete all of the following	**Units**
CFE 101 - Principles and Practices of Teaching Young Children	3
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 109 - Supervision and Administration of Childhood Programs I	3
BIP 115 - Practical Math for Business and Consumers	3
CA 221 - Computer Concepts & Applications in Business	4
MGT 101 - Management Principles	3
MKTG 101 - Principles of Marketing	3

Recommended Pathway	
Term 1	**Units**
CFE 101 - Principles and Practices of Teaching Young Children	3
CFE 102 - The Developing Child-Child Growth and Development	3
MKTG 101 - Principles of Marketing	3
	Total 9
Term 2	
BIP 115 - Practical Math for Business and Consumers	3
CA 221 - Computer Concepts & Applications in Business	4
MGT 101 - Management Principles	3
CFE 109 - Supervision and Administration of Childhood Programs I	3
	Total 13
	Certificate Total 22

Site Supervisor II Cert

The Certificate of Achievement for a Site Supervisor II is tailored to equip aspiring leaders with the necessary skills and knowledge to effectively manage and oversee educational programs in child family centers, home daycare settings, and state-level administrative environments. This comprehensive program builds on the Site Supervisor I certificate, allowing students to further develop their knowledge in management, child and family education administration, and business. In addition, they will gain skills in digital and social media marketing. Students must complete the Site Supervisor I certificate before attempting the Site Supervisor II certificate. Students who successfully complete the certificate requirements may pursue advanced supervisory and administrative roles in early childhood education programs, including site supervisor, program director, or child development program administrator positions in licensed centers, school-based programs, and community early learning organizations, in accordance with California Child Development Permit standards.

Program Requirements
Required Courses (Total 20)

Complete all of the following	**Units**
CFE 103 - The Child in Family and Community Relationship	3
CFE 110 - Supervision and Administration of Childhood Programs II	3
CFE 111 - Supervising Adults Child Care Settings	2
BIP 127 - Introduction to Accounting	3
MGT 202 - Supervisory Management	3
MKTG 130 - Digital Marketing	3
MKTG 132 - Social Media Marketing	3

Recommended Pathway	
Term 1	**Units**
CFE 103 - The Child in Family and Community Relationship	3
CFE 110 - Supervision and Administration of Childhood Programs II	3
BIP 127 - Introduction to Accounting	3
MKTG 130 - Digital Marketing	3
	Total 12
Term 2	
CFE 111 - Supervising Adults Child Care Settings	2
MKTG 132 - Social Media Marketing	3
MGT 202 - Supervisory Management	3
	Total 8
	Certificate Total 20

Skilled Parenting Certificate

Our 12-unit Skilled Parenting Certificate is part of a stackable certificate program designed to empower individuals with the knowledge and skills necessary to navigate the challenges and joys of parenthood confidently. We recognize that parenting is a lifelong journey filled with unique demands, and our program aims to provide a solid foundation to meet these challenges head-on. Throughout the program, students will delve into various aspects of parenting, including child development, effective communication with children, positive discipline techniques, and fostering healthy family dynamics. With a comprehensive curriculum, we ensure that graduates not only understand the theory behind successful parenting but can also apply these principles in their daily lives.
Our certificate program is not just about academic learning; it's about creating a supportive community of parents who can learn from each other's experiences. Through group discussions, practical exercises, and sharing insights, students build a network of fellow parents, offering mutual support and guidance.
Upon completion of the 12-unit Parenting Certificate program, graduates will be well-prepared to navigate the complexities of parenting with confidence and empathy. Whether they are new parents seeking guidance or experienced caregivers looking to enhance their skills, this program equips them to create nurturing and enriching environments for their children's growth and development.

Program Requirements
Skilled Parenting Certificate (Total 12)

Complete all of the following	**Units**
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 103 - The Child in Family and Community Relationship	3
CFE 150 - Parenting: Infancy	1
CFE 151 - Parenting: The Preschool Child	1
CFE 152 - Parenting: The Elementary and Preadolescent Child	1
CFE 155 - Single Parenting	1
CFE 156 - Stepparenting and Blended Families	1
CFE 157 - Parenting the Exceptional Child	1

Recommended Pathway

Term 1	**Units**
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 150 - Parenting: Infancy	1
CFE 151 - Parenting: The Preschool Child	1
CFE 152 - Parenting: The Elementary and Preadolescent Child	1
	Total 6
Term 2	
CFE 103 - The Child in Family and Community Relationship	3
CFE 155 - Single Parenting	1
CFE 156 - Stepparenting and Blended Families	1
CFE 157 - Parenting the Exceptional Child	1
	Total 6
	Certificate Total 12

Associate Degrees

Child and Family Education AA

The requirements for an associate degree in Child and Family Education may be satisfied by completing the respective certificate program in addition to the associate degree requirements. (See Graduation/ Associate Degree Requirements.)

Students who complete the associate degree have enhanced employability in the field of Early Childhood and School-Aged Child Care. Students are well prepared with an in-depth understanding, hands-on experience, and principles of Early childhood and School-Age child development.

The associate degree will also provide students with a broad range of knowledge with which to evaluate the learning environment and analyze the dynamics of teaching in child care settings.

Students must receive a minimum grade of “C” or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
Child & Family Education AA (Total 33)
Complete all of the following

Required Courses (Total 30)
Complete all of the following

CFE 101 - Principles and Practices of Teaching Young Children	3
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 103 - The Child in Family and Community Relationship	3
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
CFE 106 - Creative Experiences for Children	3
CFE 115 - Guiding Children's Behavior	3
CFE 116 - Diversity in Early Childhood Education	3
CFE 201 - Child Development Practicum-Observation and Assessment	3
CFE 202 - Child Development Practicum-Emergent Leadership	3
CFE 211 - Health, Safety, and Nutrition for the Young Child	3

Program Electives (Total 3)

CFE 107 - Literacy for Young Children	3
CFE 109 - Supervision and Administration of Childhood Programs I	3
CFE 110 - Supervision and Administration of Childhood Programs II	3
CFE 111 - Supervising Adults Child Care Settings	2
CFE 113 - Inclusive Early Childhood Education- Introduction to Children with Special Needs	3
CFE 114 - Music and Movement Education for the Young Child	3
CFE 120 - Infant/Toddler Development	3
CFE 122 - Infant Toddler Strategies	3
CFE 150 - Parenting: Infancy	1
CFE 151 - Parenting: The Preschool Child	1
CFE 152 - Parenting: The Elementary and Preadolescent Child	1
CFE 155 - Single Parenting	1
CFE 156 - Stepparenting and Blended Families	1
CFE 157 - Parenting the Exceptional Child	1
CFE 199 - Work Experience Education	1-8
DA 103 - Beginning Modern Dance	1
NF 100 - Nutrition	3
NF 102 - Nutrition and Food for Children	3

Recommended Pathway	
Term 1	**Units**
CFE 101 - Principles and Practices of Teaching Young Children	3
CFE 102 - The Developing Child-Child Growth and Development	3
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 2	3
General Elective	2
	Total 15
Term 2	
CFE 103 - The Child in Family and Community Relationship	3
CFE 116 - Diversity in Early Childhood Education	3
CFE 106 - Creative Experiences for Children	3
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
AVC GE Area 1B	3
	Total 15
Term 3	
CFE 115 - Guiding Children's Behavior	3
General Elective	3
CFE 201 - Child Development Practicum-Observation and Assessment	3
AVC GE Area 4	3
AVC GE Area 3	3
	Total 15
Term 4	
CFE 202 - Child Development Practicum-Emergent Leadership	3
CFE 211 - Health, Safety, and Nutrition for the Young Child	3
Program Electives (CFE 107)	3
AVC GE Area 5	3
AVC GE Area 6	3
	Total 15
	Total Degree 60

Early Childhood Education AS-T

Completion of the Associate in Science in Early Childhood Education for Transfer (AS-T in Early Childhood Education) degree provides a clearly articulated curricular track for students who wish to transfer to a California State University under the provisions of SB 1440, the Student Transfer Achievement Reform Act, and for employment in an early care and education program. Students develop skills, knowledge, and attitudes that prepare them to work as teachers of young children or as administrators of ECE programs. This degree exposes them to the core principles and practices of the field in order to build a foundation for their future, personal, academic, or vocational paths.

The Associate in Science in Early Childhood Education for Transfer (AS-T in Early Childhood Education) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses but do not exclude admittance to other colleges or universities.

To earn an Associate in Science in Early Childhood Education for Transfer (AS-T in Early Childhood Education) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 24-semester units in a major or area of emphasis, as determined by the community college district.
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements

Early Childhood Education AS-T (Total 24)

Complete all of the following	**Units**
CFE 101 - Principles and Practices of Teaching Young Children	3
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 103 - The Child in Family and Community Relationship	3
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
CFE 116 - Diversity in Early Childhood Education	3
CFE 201 - Child Development Practicum-Observation and Assessment	3
CFE 202 - Child Development Practicum-Emergent Leadership	3
CFE 211 - Health, Safety, and Nutrition for the Young Child	3

Recommended Pathway	
Term 1	**Units**
CFE 101 - Principles and Practices of Teaching Young Children	3
Cal-GETC GE Area 1A (ENGL C1000)	4
CFE 102 - The Developing Child-Child Growth and Development	3
Cal-GETC GE Area 4	3
General Elective	3
	Total 16
Term 2	
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 2	3
Cal-GETC GE Area 4 (CFE 103)	3
	Total 15
Term 3	
Cal-GETC GE Area 3A	3
CFE 116 - Diversity in Early Childhood Education	3
CFE 201 - Child Development Practicum-Observation and Assessment	3
Cal-GETC GE Area 5A	3
Cal-GETC GE Area 3B	3
	Total 15
Term 4	
CFE 202 - Child Development Practicum-Emergent Leadership	3
CFE 211 - Health, Safety, and Nutrition for the Young Child	3
Cal-GETC GE Area 5C	1
Cal-GETC GE Area 5B	3
Cal-GETC GE Area 6	3
General Elective	1
	Total 14
	Degree Total 60

School-Aged Child Care AA

The requirements for an associate degree in School-Aged Child Care may be satisfied by completing the respective certificate program in addition to the associate degree requirements. (See Graduation/ Associate Degree Requirements.)
Students who complete the associate degree have enhanced employability in the field of Early Childhood and School-Aged Child Care. Students are well prepared with an in-depth understanding, hands-on experience, and principles of Early childhood and School-Age child development.

The associate degree will also provide students with a broad range of knowledge with which to evaluate the learning environment and analyze the dynamics of teaching in child care settings.

Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
School-Aged Child Care AA (Total 33)

Complete all of the following	**Units**
Required Courses (Total 30)	
Complete all of the following	
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 103 - The Child in Family and Community Relationship	3
CFE 104 - Literature for Children	3
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
CFE 106 - Creative Experiences for Children	3
CFE 201 - Child Development Practicum-Observation and Assessment	3
CFE 202 - Child Development Practicum-Emergent Leadership	3
CFE 211 - Health, Safety, and Nutrition for the Young Child	3
CFE 212 - School Age Programs	3
CFE 213 - Curriculum Strategies for School Age Programs	3
Program Electives (Total 3)	
CFE 107 - Literacy for Young Children	3
CFE 109 - Supervision and Administration of Childhood Programs I	3
CFE 110 - Supervision and Administration of Childhood Programs II	3
CFE 111 - Supervising Adults Child Care Settings	2
CFE 113 - Inclusive Early Childhood Education- Introduction to Children with Special Needs	3
CFE 114 - Music and Movement Education for the Young Child	3
CFE 115 - Guiding Children's Behavior	3
CFE 116 - Diversity in Early Childhood Education	3
CFE 150 - Parenting: Infancy	1
CFE 151 - Parenting: The Preschool Child	1
CFE 152 - Parenting: The Elementary and Preadolescent Child	1
CFE 157 - Parenting the Exceptional Child	1
CFE 199 - Work Experience Education	4
NF 102 - Nutrition and Food for Children	3

Recommended Pathway

Term 1	**Units**
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 106 - Creative Experiences for Children	3
AVC GE Area 1A (ENGL C1000)	4
General Elective	3
General Elective	2
	Total 15
Term 2	
CFE 103 - The Child in Family and Community Relationship	3
CFE 104 - Literature for Children	3
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
AVC GE Area 2	3
AVC GE Area 1B	3
	Total 15
Term 3	
CFE 201 - Child Development Practicum-Observation and Assessment	3
CFE 211 - Health, Safety, and Nutrition for the Young Child	3
CFE 212 - School Age Programs	3
AVC GE Area 3	3
AVC GE Area 4	3
	Total 15
Term 4	
CFE 115 - Guiding Children's Behavior	3
CFE 213 - Curriculum Strategies for School Age Programs	3
CFE 202 - Child Development Practicum-Emergent Leadership	3
AVC GE Area 5	3
AVC GE Area 6	3
	Total 15
	Degree Total 60

Child and Family Education Courses

CFE 101 PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN

3 Units
Total Course Lecture Hours 54

Historical contexts and theoretical perspectives of developmentally appropriate practice in early care and education for children birth through age eight are examined. This course explores the typical roles and expectations of early childhood educators. Identifies professional ethics, career pathways, and professional standards. Introduces best practices for developmentally appropriate learning environments, curriculum, and effective pedagogy for young children including how play contributes to children's learning, growth, and development. (C-ID: ECE 120) (CSU, AVC)

CFE 102 THE DEVELOPING CHILD-CHILD GROWTH AND DEVELOPMENT

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Advisory: *Completion of ENGL C1000 or C1000H.*

Designed for students planning to work in early childhood and school-age settings, this course will provide a study of child growth and development from conception through adolescence. Examines the progression of development in the physical, cognitive, social, and emotional domains and identifies developmental milestones for children from conception through adolescence. Emphasis on interactions between biological processes and environmental factors. Students will observe children, evaluate individual differences, and analyze characteristics of development at various stages according to developmental theories. (C-ID: CDEV 100) (UC, CSU, AVC)

CFE 103 THE CHILD IN FAMILY AND COMMUNITY RELATIONSHIP

3 Units

Total Course Lecture Hours 54

Designed for students planning to work in early childhood and school-age settings, this course will examine the processes of socialization focusing on the interrelationship of family, school, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children's development, birth through adolescence. The influence of diverse ethnicity, cultures, languages, social classes, gender roles, and individual abilities and the impact of family behavior, morals, values, and attitudes upon child development will be explored. Directed observation in early childhood and school-age settings will be emphasized. (C-ID: CDEV 110) (UC, CSU, AVC)

CFE 104 LITERATURE FOR CHILDREN

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Advisory: *Completion of ENGL C1000 or C1000H.*

Prerequisite: *Completion of CFE 102.*

Designed for students planning to work in early childhood and school-age settings, this course will introduce a variety of quality literary selections and the pleasures gained from reading, listening to, and viewing children's literature for pleasure and informational purposes. Students will examine literary theories and genres and discuss literary preferences and responses of learners, while identifying and describing children's fiction and non-fiction literature. Students will learn strategies and techniques to apply when presenting literature in early childhood and school-age programs. This course may be used with CFE 107 to satisfy the 6-unit specialization requirement for the Master Teacher level of the Child Development Permit. (CSU, AVC)

CFE 105 INTRODUCTION TO CURRICULUM-DISCOVERY BASED EDUCATION FOR CHILDREN

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Advisory: *Completion of ENGL C1000 or C1000H.*

Prerequisite: *Completion of CFE 102.*

Designed for students planning to work in early childhood and school-age settings. This course will explore discovery-based learning and developmentally appropriate curriculum. Students will apply child development foundations to analyze learning experiences for children from birth to age 8. Students will evaluate methods of investigative and inquiry-based instruction, explore the value of a discovery approach to curriculum, and learn to apply theories of child growth and development in the evaluation of children's learning in indoor and outdoor environments. This course may be used with CFE 106 to satisfy the 6-unit specialization requirement for the Master Teacher level of the Child Development Permit. A current TB clearance may be required. (C-ID: ECE 130) (CSU, AVC)

CFE 106 CREATIVE EXPERIENCES FOR CHILDREN

3 Units

Total Course Lecture Hours 54

Limitations on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Advisory: *Completion of ENGL C1000 or C1000H.*

Designed for students planning to work in early childhood and school-age settings, this course will promote an understanding of children and their creative needs. Students will discuss theories of creativity and the integration of creative practices into curriculum content areas, explore a variety of media techniques, evaluate and formulate plans for creative environments and activities, and develop creative learning plans. Directed observation in early childhood and/or school-age settings will be emphasized. A current TB clearance may be required. (CSU, AVC)

CFE 107 LITERACY FOR YOUNG CHILDREN

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Advisory: *Completion of ENGL C1000 or C1000H.*

Designed for students planning to work in early childhood settings, this course will provide instruction in the key components of early literacy experiences which researchers have linked to later reading success. Early literacy is defined as the knowledge, skills, and attributes that come before and lead up to conventional reading and writing. Students will examine the following components of early literacy: oral language, vocabulary and comprehension development, phonological and phonemic awareness, alphabet knowledge, and background knowledge. Students will critique early childhood literacy experiences while conducting directed observations in early childhood settings. This course may be used with CFE 104 to satisfy the 6-unit specialization requirement for the Master Teacher Child Development Permit. (CSU, AVC)

CFE 109 SUPERVISION AND ADMINISTRATION OF CHILDHOOD PROGRAMS I

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 or C1000H. On-the-job experience in preschool, day care, or before-and-after school age care.*

Prerequisite: *Completion of any six units in CFE courses.*

Designed for students with prior experience in infant-toddler, preschool or school-age programs, this course will teach principles and practices related to the supervision and operation of child care and educational programs for preschool and school-aged children. Topics include: Titles 5 and 22 guidelines, organizational structures, budgeting, staff relationships, staff-parent relationships, record-keeping, reporting, and maintaining relationships with community and regulatory agencies. This course provides three of the six units in supervision and administration required to direct licensed child care programs and for the Site Supervisor and Program Director levels of the Child Development Permit. (CSU, AVC)

CFE 110 SUPERVISION AND ADMINISTRATION OF CHILDHOOD PROGRAMS II

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 or C1000H. On-the-job experience in preschool, day care, or before-and-after school age care.*

Prerequisite: *Completion of CFE 109.*

Designed to supplement the information presented in CFE 109, this course will provide students with an in-depth study of the administration and management of child care and education programs. Topics include: business plans, personnel management, proposal and grant writing, advocacy, Title 5 and 22 regulations, updates of regulatory laws and licensing, current research in the field of child care and education, professional growth, and community involvement. This course provides three of the six units in supervision and administration required to direct licensed child care programs and for the Site Supervisor and Program Director levels of the Child Development Permit. (CSU, AVC)

CFE 111 SUPERVISING ADULTS CHILD CARE SETTINGS

2 Units

Total Course Lecture Hours 36

Limitation on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Prerequisite: *Completion of CFE 101, CFE 102, and CFE 103.*

This class explores methods and principles of supervising adults in early childhood education settings. Emphasis will be on the role of experienced teachers and administrators acting as mentors to new teachers while addressing other classroom need. This course is required for Master Teacher, Director, and Site Supervisor categories of the Child Development permit, and to apply to become a mentor teacher in the California Mentor Teacher Project. (CSU, AVC)

CFE 113 INCLUSIVE EARLY CHILDHOOD EDUCATION- INTRODUCTION TO CHILDREN WITH SPECIAL NEEDS

3 Units

Total Course Lecture Hours 54

Limitations on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Introduces the variations in development of children with special needs ages birth through eight and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process. This course will introduce students to methods and principles of evaluating and planning appropriate classroom practices and settings for young children with diverse exceptional needs. It is designed to aid early childhood professionals in understanding and implementing programs for the inclusion of children with special needs in the least restrictive environment. Students will explore a variety of exceptional children's needs as well as teaching strategies that welcome and enhance diversity in classroom settings. (CSU, AVC)

CFE 114 MUSIC AND MOVEMENT EDUCATION FOR THE YOUNG CHILD

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Advisory: *Completion of ENGL C1000 or C1000H*

This course is designed for students planning employment or already employed in early childhood and school-age programs. Students will analyze the principles of music and movement education and will design, assess and implement developmentally appropriate music and movement activities for all areas of classroom curriculum. A current TB clearance may be required. (CSU, AVC)

CFE 115 GUIDING CHILDREN'S BEHAVIOR

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Advisory: *Completion of ENGL C1000 or C1000H.*

Prerequisite: *Completion of CFE 102.*

Designed for students preparing to work in early childhood and school-age settings, this course provides an overview of positive child guidance practices, foundations for understanding children's behavior, guidelines for effective communication, and assistance in planning curriculum and environments that promote the growth of social competence. Directed observations of early childhood programs in the community will be required. A current TB clearance may be required. (CSU, AVC)

CFE 116 DIVERSITY IN EARLY CHILDHOOD EDUCATION

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Advisory: *Completion of ENGL C1000 or C1000H.*

Prerequisite: *Completion of CFE 103.*

Examines the historical and current perspectives on diversity and inclusion and the impact of systemic societal influences on children's development, learning, and school experiences. Strategies for developmentally, culturally, and linguistically appropriate anti-bias curriculum will be explored as well as approaches to promote inclusive and anti-racist classroom communities. Includes self-reflection on the influence of teacher's own culture and life experiences on teaching and interactions with children and families. (C-ID: ECE 230) (CSU, AVC)

CFE 120 INFANT/TODDLER DEVELOPMENT

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Advisory: *Completion of ENGL C1000 or ENGL C1000H.*

Designed for students planning to work in infant/toddler programs, this course promotes an understanding of infant/toddler development, accepted infant/toddler care theories and practices, health and safety concerns, and appropriate educational and parenting strategies. A study of infants and toddlers from preconception 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. Students will observe infants and toddlers in home and childcare settings and evaluate adult/child interactions in the context of caregiving relationships. A current TB clearance may be required. This course meets California licensing requirements for the care of infants and toddlers in center-based and family child care-based settings. (CSU, AVC)

CFE 122 INFANT TODDLER STRATEGIES

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Advisory: *Completion of ENGL C1000 or C1000H.*

Designed for students planning to work in early childhood settings, the course focuses on the child development sequences of children ages birth through age three. It includes development of appropriate learning environments, resources, and curriculum strategies for use with infants and toddlers. Students will observe infants and toddlers at home and early childhood centers and develop curriculum for use with children from birth to age three. This course meets California licensing requirements for the care and education of infants and toddlers in center-based and family-based child care programs. (CSU, AVC)

CFE 150 PARENTING: INFANCY

1 Unit

Total Course Lecture Hours 18

Advisory: Completion of ENGL C1000 or C1000H

This course is designed to develop an awareness of the dynamics of the parent-child relationship. Focus is on the cognitive, social, emotional, and physical maturation processes as they apply to the unique nature of parenting the infant through 2 years of age. (CSU, AVC)

CFE 151 PARENTING: THE PRESCHOOL CHILD

1 Unit

Total Course Lecture Hours 18

Advisory: *Completion of ENGL C1000 or C1000H*

This course is designed to develop an awareness of the dynamics of the parent-child relationship. Focus is on the cognitive, social, and physical maturation processes as they apply to the unique nature of parenting the preschool child ages 2-6 years. Students will be required to complete directed field observations of preschool age children as part of this course. (CSU, AVC)

CFE 152 PARENTING: THE ELEMENTARY AND PREADOLESCENT CHILD

1 Unit

Total Course Lecture Hours 18

Advisory: *Completion of ENGL C1000 or C1000H*

This course is designed to develop an awareness of the dynamics of the parent-child relationship. Focus is on the emotional, social, and physical maturation processes as they apply to the unique nature of parenting the elementary and preadolescent child. Students will be required to complete directed field observations of elementary and preadolescent children as part of this course. (CSU, AVC)

CFE 155 SINGLE PARENTING

1 Unit

Total Course Lecture Hours 18

This course is designed to develop insights into the dynamics of the single parent-child relationship in the single family. Focus is on the social maturation process as it relates to the unique nature of the single parenting experience. The course addresses the special dynamics single parents confront in raising children both within and outside of the family. Interactions between the family, community, and various social systems will be identified and explored. (CSU, AVC)

CFE 156 STEPPARENTING AND BLENDED FAMILIES

1 Unit

Total Course Lecture Hours 18

Advisory: *Completion of ENGL C1000 or C1000H*

This course is designed to develop an awareness of the dynamics of the parent-child relationship in a stepfamily or blended family. Focus is on the emotional and social maturation processes as they apply to this unique and ever-growing segment of the family in society. Communication and relationships both within and outside of the family are studied. Interactions between the family and the community, various social systems, and the effects on children's development and socialization are examined and explored. (CSU, AVC)

CFE 157 PARENTING THE EXCEPTIONAL CHILD

1 Unit

Total Course Lecture Hours 18

Advisory: *Completion of ENGL C1000 or C1000H*

This course is designed to develop an awareness of the dynamics of the relationship between the parent and the child with special needs. Focus is on the cognitive, emotional, physical, and social maturation processes as they apply to the special needs child in the family. Components of parenting and varying family life circumstances will be examined. Issues surrounding diversity and social systems will be emphasized. (CSU, AVC)

CFE 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have the approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation*

The Child Family Education Work Experience Education is supervised employment designed to provide students with a realistic learning experience through work in the educational environment. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as classroom support staff. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the student's educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

CFE 201 CHILD DEVELOPMENT PRACTICUM-OBSERVATION AND ASSESSMENT

3 Units

Total Course Lecture Hours 27

Total Course Lab Hours 81

Limitation on Enrollment: *TB skin test clearance within the past year; Current livescan fingerprint clearance required. Proof of immunizations may be required.*

Prerequisite: *Completion of CFE 105.*

This course focuses on observation and assessment of children as it relates to the development of curriculum, preparation of classroom environments, and facilitation of classroom practices. Application of child development theory and assessment data to educational practices will be emphasized. Introduces the appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed, along with strategies for collaboration with families and professionals. Students will create learning plans using negotiated curriculum strategies. Practicum lab requires work in a supervised early childhood classroom setting, under the direction of an approved early childhood mentor teacher. (C-ID: ECE 200) (CSU, AVC)

CFE 202 CHILD DEVELOPMENT PRACTICUM-EMERGENT LEADERSHIP

3 Units

Total Course Lecture Hours 27

Total Course Lab Hours 81

Limitation on Enrollment: *TB skin test clearance within the past year; Current Livescan fingerprint clearance required. Proof of immunization may be required.*

Prerequisite: *Completion of CFE 102, CFE 103, CFE 105, and CFE 201.*

This course is designed to provide the continuing practicum student with in-depth practice in the application of child development theory to classroom environments, curriculum development, educational practices, and staff, family and community relationships. Demonstration of developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement, and evaluate approaches, strategies, and techniques that promote development and learning. Includes exploration of career pathways, professional development, and teacher responsibilities. Practicum lab requires work in a supervised early childhood classroom setting, under the direction of an approved early childhood mentor teacher. (C-ID: ECE 210) (CSU, AVC)

CFE 211 HEALTH, SAFETY, AND NUTRITION FOR THE YOUNG CHILD

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Advisory: *Completion of ENGL C1000 or C1000H*

Prerequisite: *Completion of CFE 101 and CFE 102.*

Laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. Includes the teachers' role in prevention strategies, nutrition and meal planning, integrating health safety and nutrition experiences into daily routines, and overall risk management. (C-ID: ECE 220) (CSU, AVC)

CFE 212 SCHOOL AGE PROGRAMS

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Prerequisite: *Completion of CFE 102 and CFE 106.*

This course is designed for students employed in or planning employment in before and after school programs for elementary school children. Students will study the needs of school-age children and environments for school-aged care, review models of before and after school childcare programs and develop curriculum plans. Students will learn ways to effectively support children and their families and to identify community resources available to children and families. (CSU, AVC)

CFE 213 CURRICULUM STRATEGIES FOR SCHOOL AGE PROGRAMS

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required.*

Prerequisite: *Completion of CFE 102 and CFE 106.*

Designed for those students working in or planning to work in school-age programs. Topics to be covered include creating appropriate environments, reviewing school-age program models and designing developmentally appropriate and culturally diverse curriculum experiences for before and after school-age programs. (CSU, AVC)

Department Description

Our Chinese program provides students with the foundation needed to be able to communicate effectively. Students in our Chinese program develop reading, writing, and speaking skills as well as aural comprehension. Additionally, students will gain an acquaintance with the literature, history, and culture of Chinese-speaking countries, demonstrate cultural knowledge, and use technology to develop language and cultural competence. All courses in Chinese are transfer-level. Chinese is adapted to careers in international business or trade, telecommunications, fashion, the gourmet food industry, medical research, international law, diplomacy and foreign service, aerospace technology, and careers in the arts and humanities.

Certificate Program

Certificate not applicable.

Associate Degree

Associate degree not available.

Chinese Courses

CHIN 101 ELEMENTARY CHINESE I

5 Units

Total Course Lecture Hours 90

Advisory: *Eligibility for ENGL C1000 (ENGL 101) or placement by multiple measures.*

This course is intended for students who have no background in Mandarin Chinese or any Chinese dialect. Students will be introduced to the fundamentals of Mandarin—-pronunciation, syntax, and high-frequency vocabulary—-through drills and exercises designed to mimic authentic situations commonly encountered in China and that enable students to practice speaking, reading, writing, and listening. This course helps students acquire some knowledge of Chinese customs, society, and history, especially as they elucidate the language and culturally appropriate behaviors. (UC, CSU, AVC)

CHIN 102 ELEMENTARY CHINESE 2

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of CHIN 101.*

CHIN 102 is designed as a continuation for beginning learners who have successfully completed CHIN 101. The class continues to emphasize the development of students' reading, writing, speaking, and listening skills as well as their knowledge of basic vocabulary, syntax, and structures. As students' command of the fundamentals improves, they will be able to use language more creatively rather than be limited to imitation of familiar topics and sentence patterns. The course will continue to expose students to Chinese culture, especially those aspects that help elucidate the language and culturally appropriate behaviors. (UC, CSU, AVC)

CHIN 201 INTERMEDIATE CHINESE

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of CHIN 102.*

This course is for students who have completed CHIN 102 and wish to continue to develop their speaking, listening, reading, and writing skills. The basic structures and patterns of beginning Chinese will be reinforced, but complexity and variation will be introduced into structures as students are exposed to more idiomatic uses and learn a greater variety of particles and function words. Students continue to interact with language in authentic contexts, but the contexts expand beyond the situations of everyday survival to allow students to engage in conversations that facilitate the practice of various conversational strategies, such as expressing opinions, making concessions, offering detailed descriptions, and indicating doubts. The course will continue to introduce students to the history and culture of China, especially those aspects that will help students understand, reflect on, and adjust to norms, values, and customs when living or working in China. (UC, CSU, AVC)

CHIN 202 INTERMEDIATE CHINESE

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of CHIN 201.*

This course is intended to improve student's proficiency in reading, writing, listening, and speaking Chinese. Texts from ancient and modern times will be read and analyzed. Major Chinese religions, philosophies, theories, and myths will be introduced and explained. In addition, this course will help students understand in-depth Chinese art, architecture, and other forms of culture. (UC, CSU, AVC)

Department Description

Communication Studies encompasses a variety of components and areas, for example, theoretical courses such as Interpersonal, Intercultural, and Mass Communication, to more performance-based courses such as Oral Interpretation and Storytelling. All Communication Studies courses are focused on effective communication, and critical inquiries into the nature of human communication with the aim of developing and equipping students with theoretical, aesthetic, and technical means to communicate these skill sets effectively to others. The Communication Studies program offers an Associate's Degree in Arts as it allows students to explore the many contexts of human communication.

Program Learning Outcomes

Communication Studies AA-T 2.0

1. Program majors will demonstrate and articulate professional verbal expression.
2. Through active listening, program majors will critically analyze verbal and nonverbal messages in a variety of contexts.
3. Program majors will make ethical communication decisions based on an understanding of cultural diversity.

Certificate Program

Certificate not applicable.

Associate Degree

Communication Studies AA-T 2.0

The Associate of Arts in Communication Studies 2.0 for Transfer (AA-T in Communication Studies 2.0) degree offers students a comprehensive course of study of the many facets of human communication. Public speaking and performance, interpersonal and group communication, argumentation, and mass media are some of the contexts studied. Students will enhance their own communication practices in professional and personal settings, as well as study theories and concepts that examine the impact of communication on relationships and society at large. The Associate of Arts in Communication Studies 2.0 for Transfer (AA-T in Communication Studies 2.0) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn an Associate of Arts in Communication Studies 2.0 for Transfer (AA-T in Communication Studies 2.0) degree, a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern - Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Communication Studies AA-T 2.0 (Total 18)
Complete all of the following **Units**

Required Course (Total 3)
COMM 107 - Introduction to Interpersonal Communication 3

Required Course - Choose one (Total 3)
Complete the following number of units: 3
COMM C1000 - Introduction to Public Speaking 3
COMM C1000H - Introduction to Public Speaking - Honors 3
COMM 201 - Virtual Communication and Expressive Technology 3

List A (Total 9)
Complete the following number of units: 9
COMM 105 - Introduction to Mass Communication 3
COMM 109 - Small Group Communication 3
COMM 110 - Persuasion 3
COMM 112 - Oral Interpretation 3
COMM 115 - Introduction to Argumentation and Debate 3
COMM 116 - Forensics 3
COMM 219 - Introduction to Intercultural Communication 3

List B, or any List A course not already used (Total 3)
Complete the following number of units: 3
ANTH 102 - Introduction to Cultural Anthropology 3
COMM 114 - Art of Storytelling 3
COMM 215 - Public Relations Communication 3
COMM 217 - Gender and Communication 3
ENGL C1002 - Introduction to Literature 3
ENGL C1001 - Critical Thinking and Writing 3
JOUR 121 - Beginning Journalism 3
PSYC C1000 - Introduction to Psychology 3
SOCI C1000 - Introduction to Sociology 3

Recommended Pathway

Term 1	**Units**
Required Course (COMM C1000 ***OR*** COMM C1000H ***OR*** COMM 201)	3
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 2	3
General Elective	1
	Total 14
Term 2	
COMM 107 - Introduction to Interpersonal Communication	3
List A (see list)	3
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 3A	3
Cal-GETC GE Area 5A	3
Cal-GETC GE Area 5C	1
	Total 16
Term 3	
List A (see list)	3
List A (see list)	3
Cal-GETC GE Area 5B	3
Cal-GETC GE Area 4	3
Cal-GETC GE Area 6	3
	Total 15
Term 4	
List B (see list)	3
Cal-GETC GE Area 3B	3
Cal-GETC GE Area 4	3
General Elective	3
General Elective	3
	Total 15
	Total Degree 60

Communication Studies Courses

COMM 105 INTRODUCTION TO MASS COMMUNICATION

3 Units

Total Course Lecture Hours 54

Advisory: *ENGL C1000 or ENGL C1000H.*

This course provides a survey of the growth and development of mass media in America from historical and analytical perspectives. The course summarizes the principles of the mass communication process and illustrates how that process affects the average consumer of the media. Students will be exposed to mass media problems of the past and present as well as the trends shaping the 21st century. Areas of study include: book & magazine publishing, photojournalism, newspapers, radio, recorded music, film, television, online media, advertising, public relations, ethics and law. (C-ID: JOUR 100) (UC, CSU, AVC)

COMM 107 INTRODUCTION TO INTERPERSONAL COMMUNICATION

3 Units

Total Course Lecture Hours 54

Advisory: *Eligibility for ENGL 101 or placement by multiple measures.*

The study of interpersonal communication principles and theories. The course will emphasize communication in family, friendship, romantic, and workplace relationships. Focus will be on improving interpersonal competence. (C-ID: COMM 130) (UC, CSU, AVC)

COMM 109 SMALL GROUP COMMUNICATION

3 Units

Total Course Lecture Hours 54

Advisory: *ENGL C1000 or ENGL C1000H.*

This course is designed to develop effective communication and leadership skills by exploring techniques for productive group discussion. Students will participate in group role playing, problem solving, decision making, projects, and panel discussions. Methods for creating positive communication climates and dealing with group conflict will also be examined. (C-ID: COMM 140) (UC, CSU, AVC)

COMM 110 PERSUASION

3 Units

Total Course Lecture Hours 54

This course provides an understanding of historical and contemporary theories of persuasion in media, interpersonal, intercultural, political, group, organizational, and public communication contexts. It also examines the ethics of persuasion and how to prepare, present, and evaluate persuasive messages. (C-ID: COMM 190) (UC, CSU, AVC)

COMM 112 ORAL INTERPRETATION

3 Units

Total Course Lecture Hours 54

Advisory: *ENGL C1000 or ENGL C1000H.*

A course in theory and practice of effective oral presentations. Training in selection, editing, and analysis of various genres of literature. Techniques of physical and oral expression. (C-ID: COMM 170) (UC, CSU, AVC)

COMM 114 ART OF STORYTELLING

3 Units

Total Course Lecture Hours 54

Advisory: *ENGL C1000 or ENGL C1000H.*

This course is a study of the history, theory, and practice of the oral art of storytelling. The historical and current practice of the oral tradition will be covered using a multicultural approach. Students will find, prepare, and perform stories from a variety of cultures (e.g. African American, Native American, Euro American, African, South American, etc.), as well as different genres of storytelling literature. (UC, CSU, AVC)

COMM 115 INTRODUCTION TO ARGUMENTATION AND DEBATE

3 Units

Total Course Lecture Hours 54

Advisory: *Eligibility for ENGL C1000 or placement by multiple measures.*

The special skills of critical thinking and reasoning are an important part of daily reactions to what we hear, think and read. This course is designed to enable students to create valid and well-supported arguments; to understand and improve their own reasoning processes; and to effectively critique the arguments presented by others. This course teaches formal debating skills as well as informal strategies for advocating and arguing positions. (C-ID: COMM 120) (UC, CSU, AVC)

COMM 116 FORENSICS

3 Units

Total Course Lecture Hours 54

Advisory: *: COMM C1000, COMM C1000H or COMM 112 and ENGL C1000 or ENGL C1000H.*

A course in competitive public speaking. Students may choose to compete in oral interpretation or platform speaking events at intercollegiate speech tournaments. (C-ID: COMM 160B) (UC, CSU, AVC)

COMM 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION OF ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

COMM 201 VIRTUAL COMMUNICATION AND EXPRESSIVE TECHNOLOGY

3 Units

Total Course Lecture Hours 54

This course applies theories of oral communication and creative expression by examining the impacts of virtual communication technologies on the development of human societies and individual identities. Computer-mediated and other virtual communication environments are critically evaluated through the development and delivery of oral/live presentations, including informative and persuasive speeches. The rise of individual creative expression through virtual media (e.g., digital storytelling tools used across social media, animated camera filters, interactive and immersive videogaming, etc.) is analyzed in relation to historic technological advancements overlapping with radical changes in society. From social media features to immersive extended reality (XR) technologies, diverse and imaginative examples of expressive digital production and consumption are critiqued in the contexts of popular- and counter-culture, global and civic life, and free and creative expression. (CSU, AVC)

COMM 215 PUBLIC RELATIONS COMMUNICATION

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 (ENGL 101).*

This course introduces students to an understanding of theory-based communication concepts and their application in public relations. It focuses on effective dissemination techniques across media. Students will explore the role of public relations in building and maintaining relationships with various publics/stakeholders, including business, education, public agencies, and other entities. The course emphasizes strategies for crafting public opinion, engaging in symmetrical communication, and managing crises in adverse situations. This course is designed for students seeking to develop real-world public communication skills. (UC, CSU, AVC)

COMM 217 GENDER AND COMMUNICATION

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or ENGL C1000H.*

Students will examine gendered patterns of communication and how society, media, and culture influence us in our relationships in a variety of contexts. The course will analyze historical movements of gendered identities such as feminism and LGBTQ rights, and how verbal and nonverbal communication define and challenge gender roles. (UC, CSU, AVC)

COMM 219 INTRODUCTION TO INTERCULTURAL COMMUNICATION

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 (ENGL 101).*

Intercultural communication concepts and theories will be examined to understand how culture influences our identities; and how we communicate in interpersonal, group, professional, local, global, and virtual settings. Students will learn to actively and creatively address intercultural conflict and ethical cross-cultural communication in a variety of situations and contexts. (C-ID: COMM 150) (UC, CSU, AVC)

COMM C1000 INTRODUCTION TO PUBLIC SPEAKING

3 Units

Total Course Lecture Hours 54

In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches. Formerly COMM 101 (C-ID: COMM 110) (UC, CSU, AVC)

COMM C1000H INTRODUCTION TO PUBLIC SPEAKING - HONORS

3 Units

Total Course Lecture Hours 54

In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience, and evaluation of various types of speeches, including informative and persuasive speeches. This is an honors course.

The honors course provides more content and requires greater intensity and depth of study than the non-honors class. Formerly COMM 101H (UC, CSU, AVC)

Note: Students may take either COMM C1000 Introduction to Public Speaking or COMM C1000H Introduction to Public Speaking - Honors. Duplicate credit will not be awarded. This honors course is intended for students in the Honors Transfer Program.

Department Description

Computer Applications program concentrates on microcomputer applications in the area of electronic spreadsheets, electronic presentations, database management, and word processing. The Computer Networking Core-Certificates provide students with entry-level skills in the computer networking field. In the Networking Multi-platform certificate program, students will expand their knowledge through advanced networking and network operating system classes. In the Cybersecurity program, students will take Computer skills needed for an entry-level career in Cybersecurity.

Program Learning Outcomes

Computer Applications Cert & AS

1. Demonstrate an understanding of computer components and explain their purpose.
2. Demonstrate the ability to use a word processing software application.
3. Demonstrate the ability to use a spreadsheet software application.
4. Demonstrate the ability to use a database management software application.

Computer Networking Cert

1. Demonstrate the ability to setup, configure, troubleshoot and maintain a microcomputer operating system.
2. Demonstrate networking skills that include installing, configuring, and troubleshooting network devices, protocols, and services.
3. Demonstrate networking administration skills related to server operating systems, network security, and directory services administration.

Computer Networking Multi-Platform Cert & AS

1. Demonstrate the ability to setup, configure, troubleshoot and maintain a microcomputer operating system.
2. Demonstrate networking skills that include installing, configuring, and troubleshooting network devices, protocols, and services.
3. Demonstrate networking administration skills related to server operating systems, network security, and directory services administration.

IT CyberSecurity Cert & AS

1. Describe the three common Security Operations Center types, the different tools used by the SOC analysts, the different job roles within the Security Operations Center, and incident analysis within a threat-centric Security Operations Center.
2. Demonstrate an understanding of the concepts of computer forensics and summarize how to prepare for a computer investigation.
3. Identify various cloud interface standards and protocols for building a cloud infrastructure using the cloud computing reference model.

Network System Administrator I

1. CA 171 Configure a network protocol to enable a computer to communicate on a network.
2. CA 107 Analyze a computer problem and select the proper trouble shooting tool.

Network System Administrator II

1. CA 170 Describe the road map for building cloud infrastructure using the cloud computing reference model.
2. CA183 Identify and rank the significance of system security vulnerabilities.

Certificate Programs

Computer Applications Cert

Students pursuing this certificate are pursuing a career in entry-level office positions, office networking, and troubleshooting. This certificate requires a minimum of 28 units. A maximum of 6 pass/no pass units will be accepted for any of these certificates.

Program Requirements
Computer Applications Cert (Total 28 - 30)
Complete all of the following **Units**

Required Courses (Total 25 - 26)
Complete all of the following
Introductory Module (Total 3 - 4)

CA 103 - Introduction to Computers and Digital Technology	3
CA 221 - Computer Concepts & Applications in Business	4

Intermediate Module (Total 16)
Complete all of the following

CA 107 - Microcomputer Hardware and Software Support	4
CA 111 - Word Processing-Microsoft Word	3
CA 121 - Microcomputer Spreadsheets	3
CA 151 - Microcomputer Operating System	3
CA 171 - Introduction to Networking	3

Advance Module (Total 6)
Complete all of the following

CA 131 - Relational Database Management and Design	3
CA 157 - Introduction to Linux	3

Program Elective (Total 3 - 4)
Complete the following number of units: 3-4

CA 103 - Introduction to Computers and Digital Technology	3
CA 175 - Administering Windows Server	3
CA 199 - Work Experience Education	1-8
CA 221 - Computer Concepts & Applications in Business	4

Recommended Pathway

Fall Semester	**Units**
Introductory Module (CA 221)	4
CA 111 - Word Processing-Microsoft Word	3
CA 121 - Microcomputer Spreadsheets	3
	Total 10
Spring Semester	
CA 157 - Introduction to Linux	3
CA 107 - Microcomputer Hardware and Software Support	4
CA 151 - Microcomputer Operating System	3
	Total 10
Fall Semester	
CA 171 - Introduction to Networking	3
CA 131 - Relational Database Management and Design	3
Program Elective (CA 175)	3
	Total 9
	Certificate Total 29

Computer Networking Cert

The Computer Networking Program consists of two parts: the Computer Networking Certificate-an 19-unit, entry-level certificate composed of five basic computer courses and one network operating system elective; and the Computer Networking Multi-Platform Certificate-a 31-unit program that includes the six courses in the program plus two more

networking operating system courses and two computer networking electives to provide the student with a breadth of networking experience.
A maximum of 6 pass/no pass units will be accepted for any of these certificates.
Computer Networking This entry-level certificate is composed of five basic computer courses and one network operating system elective for a total of 19 units. Students who successfully complete the certificate requirements may apply for entry-level positions as network technicians, IT support specialists, network support analysts, or technical support specialists. Graduates are prepared to install, configure, troubleshoot, and maintain network devices and operating systems used in modern enterprise environments. Employment opportunities exist in corporate IT departments, government agencies, educational institutions, managed service providers, and technology companies.

Program Requirements
Computer Networking Core Cert (Total 19)

Complete all of the following	**Units**
CA 107 - Microcomputer Hardware and Software Support	4
CA 151 - Microcomputer Operating System	3
CA 171 - Introduction to Networking	3
CA 175 - Administering Windows Server	3
CA 176 - Windows Server Networking	3
CA 182 - Network Security	3

Recommended Pathway

First Semester	**Units**
CA 107 - Microcomputer Hardware and Software Support	4
CA 151 - Microcomputer Operating System	3
	Total 7
Second Semester	
CA 171 - Introduction to Networking	3
CA 175 - Administering Windows Server	3
	Total 6
Third Semester	
CA 176 - Windows Server Networking	3
CA 182 - Network Security	3
	Total 6
	Certificate Total 19

Computer Networking Multi-Platform Cert

The Computer Networking Program consists of two parts: the Computer Networking Certificate-a 19-unit, entry-level certificate composed of five basic computer courses and one network operating system elective; and the Computer Networking Multi-Platform Certificate-a 31-unit program that includes the six courses in the Computer Networking Certificate plus two more networking operating system courses and two computer networking electives to provide the student with a breadth of networking experience.
A maximum of 6 pass/no pass units will be accepted for any of these certificates.
Computer Networking Multi-Platform The Multi-Platform Certificate builds on the Computer Networking certificate to enhance the skills and knowledge of the student. Any course taken in the Computer Networking Certificate does not need to be taken again for the Multi-Platform Certificate.
Students who successfully complete the certificate requirements may apply for positions as network administrators, systems technicians, infrastructure support specialists, or network operations technicians responsible for maintaining multi-platform computing environments. The program prepares students to support heterogeneous enterprise networks including Windows, Linux, and virtualization-based systems commonly used in modern IT infrastructures.

Program Requirements
Computer Networking Multi-Platform Cert (Total 31)
Complete all of the following

Required Courses (Total 28)	**Units**
Complete all of the following	
CA 107 - Microcomputer Hardware and Software Support	4
CA 151 - Microcomputer Operating System	3
CA 153 - Windows Installation and System Support	3
CA 157 - Introduction to Linux	3
CA 159 - SUSE Linux Server Administration	3
CA 171 - Introduction to Networking	3
CA 175 - Administering Windows Server	3
CA 176 - Windows Server Networking	3
CA 182 - Network Security	3

Program Electives (Total 3)
Complete the following number of units: 3

CA 103 - Introduction to Computers and Digital Technology	3
CA 131 - Relational Database Management and Design	3
CA 132 - Oracle SQL Database Management	3
CA 183 - Security Countermeasures	3

Recommended Pathway

First Semester	**Units**
CA 107 - Microcomputer Hardware and Software Support	4
CA 151 - Microcomputer Operating System	3
CA 157 - Introduction to Linux	3
	Total 10
Second Semester	
CA 182 - Network Security	3
CA 153 - Windows Installation and System Support	3
CA 175 - Administering Windows Server	3
CA 171 - Introduction to Networking	3
	Total 12
Third Semester	
CA 159 - SUSE Linux Server Administration	3
CA 176 - Windows Server Networking	3
Program Electives (see list)	3
	Total 9
	Certificate Total 31

IT Cybersecurity Cert

Students who complete the IT Cybersecurity certificate have enhanced employability in cybersecurity and computer networking. The IT Cybersecurity certificate prepares students to begin a career working with associate-level cybersecurity analysts within security operations centers, where responsibilities include detecting cybersecurity breaches and effectively responding to security incidents. This certificate requires 31 units to be completed.

Program Requirements
IT Cybersecurity Cert (Total 31)
Complete all of the following

Required courses (Total 25)	Units
Complete all of the following	
CA 107 - Microcomputer Hardware and Software Support	4
CA 157 - Introduction to Linux	3
CA 165 - Digital Forensics Fundamentals	3
CA 170 - Virtualization and Cloud Essentials	3
CA 171 - Introduction to Networking	3
CA 175 - Administering Windows Server	3
CA 182 - Network Security	3
CA 183 - Security Countermeasures	3

Program Electives (Total 6)	
Complete the following number of units: 6	
CA 159 - SUSE Linux Server Administration	3
CA 166 - Cloud Security Fundamentals	3
CA 176 - Windows Server Networking	3
CA 179 - Cybersecurity Operations -CCNA-Cyberops	3
CA 185 - Network Security - Firewalls and VPNs	3

Recommended Pathway

Semester # 1	Units
CA 107 - Microcomputer Hardware and Software Support	4
CA 157 - Introduction to Linux	3
Total	**7**
Semester # 2	
CA170 - Virtualization and Cloud Essentials	3
CA 165 - Digital Forensics Fundamentals	3
CA171 - Introduction to Networking	3
Total	**9**
Semester # 3	
CA 175 - Administering Windows Server	3
CA 182 - Network Security	3
CA 183 - Security Countermeasures	3
Total	**9**
Semester # 4	
Program Electives (CA 166)	3
Program Electives (CA 179)	3
Total	**6**
Certificate Total	**31**

Network System Administrator I Cert

System Administration Level I certificate is designed to prepare students for a career in the computer networking field. The certificate offers a set of necessary classes that prepare students to design, implement, and manage the heterogeneous corporate networks. The network administration courses emphasize network operating systems, network infrastructure and data communications. Students will acquire the skills to install and administer a Windows network, Virtualization, Active Directory, file system security, DNS, DHCP, and Linux Networking. Students will be introduced to use of routers, switches, network infrastructure, access control list, Virtual LAN (VLAN) and VLAN routing. Individual courses will help students prepare for related industry certification exams such as A+, Network+, Microsoft Server Certification, Linux+, Red Hat RHCSA. Upon completion of this certificate, career opportunities for students include entry-level and mid-management positions in Network Administration. This course was specifically created for the Local Aerospace and Defense Industry.

Program Requirements
Required Courses (Total 19)

Complete all of the following	Units
CA 107 - Microcomputer Hardware and Software Support	4
CA 151 - Microcomputer Operating System	3
CA 153 - Windows Installation and System Support	3
CA 157 - Introduction to Linux	3
CA 171 - Introduction to Networking	3
CA 175 - Administering Windows Server	3

Recommended Pathway

Term 1	Units
CA 151 - Microcomputer Operating System	3
CA 153 - Windows Installation and System Support	3
CA 107 - Microcomputer Hardware and Software Support	4
Total	**10**
Term 2	
CA 171 - Introduction to Networking	3
CA 175 - Administering Windows Server	3
CA 157 - Introduction to Linux	3
Total	**9**
Certificate Total	**19**

Network System Administrator II Cert

The System Administration Level II certificate is designed to pickup where the System Administration Level I certificate leaves off. This certificate with its included classes bring the students skills up to the next level. These courses prepares students to design, implement and manage the heterogeneous corporate network. The network administration courses emphasize network operating systems, network infrastructure and data communications. Students will acquire the skills to install and administer a Windows network, Virtualization, Active Directory, group policy, file system security, DNS, DHCP, routers, switches, network infrastructure, access control list, Virtual LAN (VLAN) and VLAN routing. Individual courses will assist students in preparing for industry certification exams such as Network+, Microsoft Certs, SUSE Linux Certs and Others. Opportunities available upon completion of the certificate program include entry-level and mid-management positions in Network Administration and support. This course was specifically created for the Local Aerospace and Defense Industry but is applicable to many other industries.

Program Requirements
Required Courses (Total 18)

Complete all of the following	Units
CA 159 - SUSE Linux Server Administration	3
CA 170 - Virtualization and Cloud Essentials	3
CA 176 - Windows Server Networking	3
CA 182 - Network Security	3
CA 183 - Security Countermeasures	3
CA 185 - Network Security - Firewalls and VPNs	3

Recommended Pathway	
Term 1	**Units**
CA 159 - SUSE Linux Server Administration	3
CA 176 - Windows Server Networking	3
CA 170 - Virtualization and Cloud Essentials	3
	Total 9
Term 2	
CA 182 - Network Security	3
CA 183 - Security Countermeasures	3
CA 185 - Network Security - Firewalls and VPNs	3
	Total 9
	Certificate Total 18

Associate Degrees

Computer Applications AS

The requirements for an associate degree in Computer Applications may be satisfied by completing the Computer Applications certificate, 21 units of general education requirements, and sufficient elective credits to total 60 units. (See Graduation/Associate Degree Requirements.)

Students who complete the associate degree have enhanced employability in several fields, and are well prepared for entry-level career opportunities in areas such as information technology, help desk support, and general office computer management. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, culture, and society in which they live, with the ability to think and communicate clearly and effectively.

Except in cases of a prerequisite requirement, it is not required that courses be taken in exactly this sequence; they are recommended in this order to facilitate success.

Program Requirements
Computer Applications AS (Total 28 - 30)
Complete all of the following

Required Courses (Total 25 - 26)	**Units**
Complete all of the following	
Introductory Module (Total 3 - 4)	
Complete the following number of units: 3-4	
CA 103 - Introduction to Computers and Digital Technology	3
CA 221 - Computer Concepts & Applications in Business	4
Intermediate Module (Total 16)	
Complete all of the following	
CA 107 - Microcomputer Hardware and Software Support	4
CA 111 - Word Processing-Microsoft Word	3
CA 121 - Microcomputer Spreadsheets	3
CA 151 - Microcomputer Operating System	3
CA 171 - Introduction to Networking	3
Advance Module (Total 6)	
Complete the following number of units: 6	
CA 131 - Relational Database Management and Design	3
CA 157 - Introduction to Linux	3
Program Electives (Total 3 - 4)	
Complete the following number of units: 3-4	
CA 103 - Introduction to Computers and Digital Technology	3
CA 175 - Administering Windows Server	3
CA 199 - Work Experience Education	1-8
CA 221 - Computer Concepts & Applications in Business	4

Recommended Pathway	
Fall Semester	**Units**
Introductory Module (CA 221)	4
AVC GE Area 1A (ENGL C1000)	4
STAT C1000 ***OR*** any AVC GE Area 2	3-4
General Elective	3
	Total 14-15
Spring Semester	
CA 107 - Microcomputer Hardware and Software Support	4
CA 111 - Word Processing-Microsoft Word	3
CA 151 - Microcomputer Operating System	3
General Elective	3
	Total 13
Summer Semester	
MUSC 102 ***OR*** any AVC GE Area 3	3
POLS C1000 ***OR*** any AVC GE Area 4	3
	Total 6
Fall Semester	
CA 121 - Microcomputer Spreadsheets	3
CA 171 - Introduction to Networking	3
AVC GE Area 6	3
CA 157 - Introduction to Linux	3
General Elective	2
	Total 14
Spring Semester	
COMM C1000 ***OR*** any AVC GE Area 1B	3
BIOL 104 ***OR*** any AVC GE Area 5	3
CA 131 - Relational Database Management and Design	3
Program Electives (CA 175)	3
General Elective	1
	Total 13
	Degree Total 60-61

Computer Networking Multi-Platform AS

The requirements for an associate degree in Computer Networking Multi-Platform may be satisfied by completing the Computer Networking Multi-Platform certificate, 21 units of general education requirements, and sufficient elective credits to total 60 units (See Graduation/Associate Degree Requirements).

Students who complete the associate degree have enhanced employability in several fields, and are well prepared for entry-level career opportunities in areas such as computer repair, service, maintenance, and installation of computer network hardware and software. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, culture, and society in which they live, with the ability to think and communicate clearly and effectively.

Except in cases of a prerequisite requirement, it is not required that courses be taken in exactly this sequence; they are recommended in this order to facilitate success.

Program Requirements
Computer Networking Multi-Platform AS (Total 31)
Complete all of the following

Required Courses (Total 28)	Units
Complete all of the following	
CA 107 - Microcomputer Hardware and Software Support	4
CA 151 - Microcomputer Operating System	3
CA 153 - Windows Installation and System Support	3
CA 157 - Introduction to Linux	3
CA 159 - SUSE Linux Server Administration	3
CA 171 - Introduction to Networking	3
CA 175 - Administering Windows Server	3
CA 176 - Windows Server Networking	3
CA 182 - Network Security	3

Program Electives (Total 3)	
Complete the following number of units: 3	
CA 103 - Introduction to Computers and Digital Technology	3
CA 131 - Relational Database Management and Design	3
CA 132 - Oracle SQL Database Management	3
CA 183 - Security Countermeasures	3

Recommended Pathway

First Semester	Units
CA 107 - Microcomputer Hardware and Software Support	4
STAT C1000 ***OR*** any AVC GE Area 2	3-4
CA 151 - Microcomputer Operating System	3
AVC GE Area 1A (ENGL C1000)	4
General Elective	1
	Total 15-16
Second Semester	
CA 153 - Windows Installation and System Support	3
CA 171 - Introduction to Networking	3
CA 175 - Administering Windows Server	3
MUSC 103 ***OR*** any AVC GE Area 3	3
BUS 212 ***OR*** any AVC GE Area 4	3
	Total 15
Third Semester	
CA 157 - Introduction to Linux	3
CA 176 - Windows Server Networking	3
CA 182 - Network Security	3
COMM C1000 ***OR*** any AVC GE Area 1B	3
General Elective	3
	Total 15
Fourth Semester	
CA 159 - SUSE Linux Server Administration	3
Program Electives (CA 183)	3
BIOL 104 ***OR*** any AVC GE Area 5	3
AVC GE Area 6	3
General Elective	3
	Total 15
	Degree Total 60-61

IT Cybersecurity AS

Students who complete the IT Cybersecurity Associates degree will become more knowledgeable and enhanced employability in cybersecurity and computer networking. The IT Cybersecurity Associates degree prepares students for a career working with associate-level cybersecurity analysts within security operations centers, including detecting cybersecurity breaches and effectively responding to security incidents. This degree requires 60 units to be completed.

Program Requirements
IT Cybersecurity AS (Total 31)
Complete all of the following

Required Courses (Total 25)	Units
Complete all of the following	
CA 107 - Microcomputer Hardware and Software Support	4
CA 157 - Introduction to Linux	3
CA 165 - Digital Forensics Fundamentals	3
CA 170 - Virtualization and Cloud Essentials	3
CA 171 - Introduction to Networking	3
CA 175 - Administering Windows Server	3
CA 182 - Network Security	3
CA 183 - Security Countermeasures	3

Program Electives (Total 6)	
Complete the following number of units: 6	
CA 159 - SUSE Linux Server Administration	3
CA 166 - Cloud Security Fundamentals	3
CA 176 - Windows Server Networking	3
CA 179 - Cybersecurity Operations -CCNA-Cyberops	3
CA 185 - Network Security - Firewalls and VPNs	3

Recommended Pathway

Fall Semester	Units
CA 157 - Introduction to Linux	3
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 2 (STAT C1000)	4
CA 107 - Microcomputer Hardware and Software Support	4
	Total 15
Spring Semester	
CA 170 - Virtualization and Cloud Essentials	3
CA 171 - Introduction to Networking	3
AVC GE Area 1B (COMM C1000)	3
CA 165 - Digital Forensics Fundamentals	3
	Total 12
Summer Semester	
AVC GE Area 3 (MUSC 103)	3
AVC GE Area 4 (BUS 212)	3
	Total 6
Fall Semester	
CA 175 - Administering Windows Server	3
CA 182 - Network Security	3
CA 183 - Security Countermeasures	3
AVC GE Area 5 (BIOL 104)	3
General Elective	3
	Total 15
Spring Semester	
AVC GE Area 6	3
Program Electives (CA 166)	3
Program Electives (CA 179)	3
General Elective	3
	Total 12
	Degree Total 60

Computer Applications Courses

CA 103 INTRODUCTION TO COMPUTERS AND DIGITAL TECHNOLOGY

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27

This course is designed to teach the first-time computer user the features of a microcomputer, how a microcomputer operates, and how to select a microcomputer to best fit individual needs. The student will learn how to use the major features of popular software applications, including word processors, spreadsheets, database managers, presentation managers, and internet browsers. This course includes hands-on operation of a microcomputer. No prior computer experience is needed. NOTE: Business and Computer oriented majors considering transfer to a university should consult with a counselor as to the appropriate computer courses to include in their program of study. (C-ID: BUS 140) (UC, CSU, AVC)

CA 107 MICROCOMPUTER HARDWARE AND SOFTWARE SUPPORT

4 Units
Total Course Lecture Hours 45
Total Course Lab Hours 81

This course is intended to provide students with a workable knowledge that is required for the installation, setup, and troubleshooting of hardware and software related to personal computers and peripheral devices. This course will help students prepare for the A+ Certification Exam. BEFORE ENROLLING, students should be able to create folders, format disks, copy files, rename files, create shortcuts, and use Windows Explorer. This course will involve problem solving and troubleshooting. Students should also be familiar with DOS commands and the installation of application software. (C-ID: ITIS 110) (CSU, AVC)

CA 111 WORD PROCESSING-MICROSOFT WORD

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 103 or CA 221 and BIP 110.*

This course covers the concepts of word processing emphasizing Microsoft Word. Topics covered include preparing documents, text formatting and editing, management of files and folders, formatting paragraphs, using multiple windows, and standard letter and punctuation styles. This vocationally oriented course will serve students seeking a certificate, associate degree, or desiring to transfer to a four-year institution. BEFORE ENROLLING, students should have used a word processing program to create, save, retrieve, edit, and print. (CSU, AVC)

CA 121 MICROCOMPUTER SPREADSHEETS

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 103 or CA 221*

This course is designed to teach computer users how to develop electronic spreadsheets using spreadsheet software such as Microsoft Excel, to solve business related quantitative problems. Topics of instruction include data entry, formulas, functions, charts, macros, and other beginning to intermediate level features of spreadsheet software. BEFORE ENROLLING: Students should be able to save and retrieve files and perform other basic file management tasks on the computer. (CSU, AVC)

CA 131 RELATIONAL DATABASE MANAGEMENT AND DESIGN

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27

Database management systems (DBMS) concepts and designs are explored using Microsoft Access. The relational model of database management, which is commonly used on micro and larger computers, is emphasized. The course covers database design, building a model using computer software, application generators, programming in database software, structured query language, and database administration. BEFORE ENROLLING, students should possess an understanding of how personal computers, software, and peripherals work together. (CSU, AVC)

CA 132 ORACLE SQL DATABASE MANAGEMENT

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 103 or CA 131.*

In this course, students will work with the Oracle Relational Database Management System in a client/ server environment. In both lecture and lab, students will learn Structured Query Language (SQL) by using the Oracle SQL*Plus tool. Proper relational database design that enforces referential integrity will be taught using schema diagrams and entity relationship diagrams. SQL Data Manipulation Language (DML) for reporting and Data Definition Language (DDL) for database creation will be covered. Students will also learn about database security issues such as database users, roles, and grants. BEFORE ENROLLING students should have used database software to create tables, and enter, edit, delete, and sort records. Students should also possess an understanding of how to save and retrieve files from local and network drives. (CSU, AVC)

CA 151 MICROCOMPUTER OPERATING SYSTEM

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 103 or CA 221*
The purpose of this course is to provide an understanding of the role of an operating system in the interaction between computer hardware components and application software. The concept of how a computer works from power-on until power-off will be discussed at length, as well as the boot process. Details will be explored on how an operating system is evaluated based on user needs. This course includes discussions on latest version of Windows, Linux, and Mac OS. There will be extensive hands on exposure to latest version of Windows and Linux. BEFORE ENROLLING, students should be advanced latest version of Windows computer users with the ability to manage disks, folders, and files using Windows Explorer. (CSU, AVC)

CA 153 WINDOWS INSTALLATION AND SYSTEM SUPPORT

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 103 or CS 100*
This course is designed to provide the knowledge and skills needed to support Microsoft Windows in both a stand-alone environment and networking environment. These skills include setup, configuration, migration, optimization, network integration, administration, troubleshooting, and messaging. BEFORE ENROLLING, students should be advanced Windows users with ability to create folders, copy files, rename files, create shortcuts and execute applications. (CSU, AVC)

CA 157 INTRODUCTION TO LINUX

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 103 or CA 221 or CS 100*
This course introduces a variety of the tools and concepts used while working with a UNIX/Linux-based computer system. The course will focus on the shell environment, system administration and security, programming, and the graphical user interface. Students will learn to write shell scripts using basic commands and regular expressions. They will then use those tools to write scripts first with basic shell commands, then with grep, sed, and awk, then with more advanced decision-making and flow control commands. Other scripting tools such as Perl and Python will also be explored. Students will write shell scripts programs to exercise their understanding of tools and concepts. This course will be taught using a combination of lectures, demonstrations, discussions, and hands-on labs. (CSU, AVC)

CA 159 SUSE LINUX SERVER ADMINISTRATION

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
This course will provide a student with the knowledge and skills required to build, maintain, troubleshoot and support server hardware and software technologies. The student will be able to identify environmental issues; understand and comply with disaster recovery and physical / software security procedures; become familiar with industry terminology and concepts; understand server roles / specializations and interaction within the overall computing environment. This in-depth, hands-on course covers a variety of topics: installing and configuring SUSE Linux Enterprise Server, managing users and groups, securing the system, and configuring Web services. By completing multiple lab exercises, students will be able to apply course concepts and strengthen their proficiency in Linux administration. (C-ID: ITIS 155) (CSU, AVC)

CA 165 DIGITAL FORENSICS FUNDAMENTALS

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 103 or CS 100*
This course is an introduction to the methods used to properly conduct a computer forensics investigation beginning with a discussion of ethics, while mapping to the objectives of the International Association of Computer Investigative Specialists (IACIS) certification. Topics covered include an overview of computer forensics as a profession; the computer investigation process; understanding operating systems boot processes and disk structures; data acquisition and analysis; technical writing; and a review of familiar computer forensics tools. (CSU, AVC)

CA 166 CLOUD SECURITY FUNDAMENTALS

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 182 and CA 170*
Students will learn how to properly evaluate cloud providers, and perform risk assessment and review. Students will be introduced to the various cloud computing delivery models, ranging from Software as a Service (SaaS) to Infrastructure as a Service (IaaS) and how each delivery models represents an entirely separate set of security conditions to consider, especially when coupled with various cloud types, including public, private, and hybrid. The course will also touch on architecture and infrastructure fundamentals for the private, public, and hybrid clouds, including a wide range of topics such as patch and configuration management, virtualization security, application security, and change management. Policy, risk assessment, and governance within cloud environments will also be covered, with recommendations for both internal policies and contract provisions. This will lead us to a discussion of compliance and legal concerns. (CSU, AVC)

CA 170 VIRTUALIZATION AND CLOUD ESSENTIALS

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 151*
This course covers cloud deployment and service models, cloud infrastructure, and the key considerations in migrating to cloud computing. This course also provides the required technology essentials across all domains—including server, storage, networking, applications, and databases—-to help develop a strong understanding of virtualization and cloud computing technologies. Prepares students for the Cloud Infrastructure and Services Associate (EMCCIS) Certification and the CompTIA Cloud+. (CSU, AVC)

CA 171 INTRODUCTION TO NETWORKING

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 107*
This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP (Internet Protocol) addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for further study of computer networks. It uses the OSI (Open Systems Interconnection) and TCP (Transmission Control Protocol) layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. The course will cover Local Area Networks (LANs), Wide Area Networks (WANs), physical topologies, logical topologies, network operating systems, network hardware, network troubleshooting, network maintenance, network security. Preparation for the CompTIA Network+ certification exam will be studied. (C-ID: ITIS 150) (CSU, AVC)

CA 175 ADMINISTERING WINDOWS SERVER

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 107 or Completion of CA 171.*
This course will provide a student with the knowledge, and skills required to build, maintain, troubleshoot and support server hardware and software technologies. The student will be able to identify environmental issues; understand and comply with disaster recovery and physical / software security procedures; become familiar with industry terminology and concepts; understand server roles / specializations and interaction within the overall computing environment. (CSU, AVC)

CA 176 WINDOWS SERVER NETWORKING

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 171 or Completion of CA 175*
This course trains network administrators and support professionals to design, implement, optimize, monitor, and troubleshoot networking services on a Windows server. Students will also learn Transfer Control Protocol/Internet Protocol (TCP/IP) networking design, subnetting, and address resolution. Topics covered will also include Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), Windows Internet Naming Service (WINS), Remote Access Service (RAS), Internet Protocol (IP) routing, and IP security. (CSU, AVC)

CA 179 CYBERSECURITY OPERATIONS -CCNA-CYBEROPS

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 171 or CA 182.*
This course introduces students to the knowledge and skills needed to rapidly detect cybersecurity breaches and effectively respond to security incidents. Students will learn to be part of a team of people in a Security Operations Center (SOC) and how to keep a vigilant eye on security systems and protect their organizations by detecting and responding to cybersecurity threats. This course helps prepare students to take the required exams to achieve the CCNA Cyber Ops certification. (CSU, AVC)

CA 182 NETWORK SECURITY

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 107*
An introduction to the fundamental principles and topics of Information Technology Security and Risk Management at the organizational level. It addresses hardware, software, processes, communications, applications, and policies and procedures with respect to organizational Cybersecurity and Risk Management. Preparation for the CompTIA Security+ certification exams. (CSU, AVC)

CA 183 SECURITY COUNTERMEASURES

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Advisory: *Completion of CA 182.*
This course introduces the network security specialist to the various methodologies for attacking a network. Students will be introduced to the concepts, principles, and techniques, supplemented by hands-on exercises, for attacking and disabling a network within the context of properly securing a network. The course will emphasize network attack methodologies with the emphasis on student use of network attack techniques and tools and appropriate defenses and countermeasures. Students will receive course content information through a variety of methods: lecture and demonstration of hacking tools will be used in addition to a virtual environment. Students will experience a hands-on practical approach to penetration testing measures and ethical hacking. (C-ID: ITIS 164) (CSU, AVC)

CA 185 NETWORK SECURITY - FIREWALLS AND VPNS

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

Advisory: *Completion of CA 182 and Completion of CA 183*

Students will be introduced to security principles and technologies, using various security products to provide hands-on examples. This course allows learners to understand common security concepts and deploy basic security techniques utilizing a variety of popular security appliances within a "real-life" network infrastructure. (CSU, AVC)

CA 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have the approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students with a realistic learning experience through work in IT or any environment that requires knowledge and use of computer applications, networking, or cybersecurity. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as employees in various situations and jobs in the field that requires an understanding of computer applications, networking, or cybersecurity. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to an environment that would require an understanding of computer applications, networking, or cybersecurity. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

CA 221 COMPUTER CONCEPTS & APPLICATIONS IN BUSINESS

4 Units

Total Course Lecture Hours 63

Total Course Lab Hours 27

This course includes an examination of information systems and their role in business. The focus will be on information systems, electronic spreadsheets, database management systems, networking, e-commerce, ethics and security, and computer systems hardware and software components. This course includes the application of these concepts and methods in a business environment through hands-on projects developing computer-based solutions to business problems. (C-ID: BUS 140 or ITIS 120) (UC, CSU, AVC)

Computer Applications Non Credit Course

CA 998 COMPUTERS, APPLICATION SOFTWARE, AND TECHNOLOGY FOR BEGINNERS

0 Units

Total Course Lecture Hours 36

This course is designed for students who need to gain experience using a computer, computer outputs and inputs, essential computer application software, and computer typing skills. Some of the topics and activities of this course include how to use a mouse, how to turn on, off, and restart a computer, how to adjust the sound and microphone settings of a computer, how to get on the Internet and choose a browser, the basics of typing on a computer keyboard, and elementary use of word processing and spreadsheet applications. (R unlimited)

Department Description

Computer Science is one of the most sought-after degree programs in California Community Colleges, as well as the transfer institutions of California State Universities and University of California campuses. The popularity of this program stems from software developed for computer platforms on desktop PCs, notebooks, and mobile devices. The gaming industry has contributed to this exciting field with creating distinct and powerful games.

This program is designed to provide students with programming skills in various languages, for transfer to four-year universities as well as gaining access into industries across the world. This program provides our students a path to success.

Program Learning Outcomes

Computer Science AS & AS-T

1. Design, create and test a program in a high-level, object-oriented, programming language based on a given set of specifications.
2. Design, create and test a program in assembly language based on a given set of specifications.
3. Solve common problems in the Binary and Hexadecimal numbering systems.

Programming Fundamentals

1. Apply knowledge of computer programming to identify, define, and solve business problems.
2. Design and perform tests/experiments, analyze and interpret data, and prepare technical reports as a member of a computer programming project group.

Software Development Essentials Cert

1. Apply knowledge of computer programming to identify, define, and solve problems.
2. Design and perform tests/experiments, analyze and interpret data, and prepare technical reports as a member of a computer programming project group.

Certificate Programs

Programming Fundamentals

A student completing the Programming Fundamentals Certificate will gain a solid grounding in the basic principles that underlie Computer Science. This certificate provides both academic preparation for and a pathway to internships. When combined with further study, it will lead to the Computer Science Associate in Science Degree (AS), Computer Science Associate in Science for Transfer (AS-T), and/or transfer. This certificate is intended to be completed at the beginning of a student's course of study, while they are at the freshman level.

Program Requirements
Programming Fundamentals (Total 15)
Complete all of the following **Units**

Core Non Programming Courses (Total 9)
Complete all of the following
MATH 150 - Calculus and Analytic Geometry 5
PHYS 110 - General Physics 4

Core Programming Courses (Total 6)
Complete the following number of rules: 1
C/C++ Programming (Total 6)
Complete all of the following
CS 120 - Programming and Algorithms in C/C++ 3
CS 130 - Data Structures using C++ 3
Java Programming (Total 6)
Complete all of the following
CS 121 - Programming and Algorithms in Java 3
CS 131 - Data Structures using Java 3
Python Programming (Total 6)
Complete all of the following
CS 122 - Programming and Algorithms in Python 3
CS 132 - Data Structures using Python 3

Recommended Pathway

Term 1	**Units**
Core Programming Courses (CS 120 ***OR*** CS 121 ***OR*** CS 122)	3
Core Non Programming Courses (MATH 150)	5
	Total 8
Term 2	
Core Programming Courses (CS 130 ***OR*** CS 131 ***OR*** CS 132)	3
Core Non Programming Course (PHYS 110)	4
	Total 7
	Certificate Total 15

Software Development Essentials Cert

A student completing the Software Development Essentials Certificate will gain a solid grounding in the basic principles that underlie Computer Science. This certificate provides both academic preparation for and a pathway to internships. When combined with further study, it will lead to the Computer Science Associate in Science Degree (AS), Computer Science Associate in Science for Transfer (AS-T), and/or transfer. This certificate is intended for students that would like to develop their programming skills in a specific language. Students who successfully complete the certificate requirements may apply for entry-level positions in software development support, programming support, web and application development support, quality assurance testing, and other junior computing-related roles.

Program Requirements
Core Courses (Total 14)
Complete all of the following **Units**

Calculus I Option (Total 5)
Complete the following number of units: 5
MATH 150 - Calculus and Analytic Geometry 5
MATH 150H - Calculus & Analytic Geometry Honors 5

Programming I Options (Total 3)
Complete the following number of units: 3
CS 120 - Programming and Algorithms in C++ 3
CS 121 - Programming and Algorithms in Java 3
CS 122 - Programming and Algorithms in Python 3

Programming II Options (Total 3)
Complete the following number of units: 3

CS 130 - Data Structures using C++	3
CS 131 - Data Structures using Java	3
CS 132 - Data Structures using Python	3

Program Elective (Total 3)
Complete the following number of units: 3

CS 110 - Introduction to Programming Concepts and Methodologies	3
CS 140 - Assembly Language and Computer Architecture	3
CS 230 - Advanced Programming and Algorithms in C++	3
CS 231 - Advanced Programming and Algorithms in Java	3

Recommended Pathway

Term 1	**Units**
CS 110 - Introduction to Programming Concepts and Methodologies	3
Calculus I Options **(**MATH 150 ***OR*** MATH 150H)	5
	Total 8
Term 2	
Programming I Options (CS 120 ***OR*** CS 121 ***OR*** CS 122)	3
	Total 3
Tem 3	
Programming II Options (CS 130 ***OR*** CS 131 ***OR*** CS 132)	3
	Total 3
	Certificate Total 14

Associate Degrees

Computer Science AS

The Associate in Science in Computer Science (AS in Computer Science) degree is to provide students with a foundational knowledge of computer science, computer programming, to enhance their problem-solving skills, sharpen their critical thinking. Additionally, the degree can prepare students in areas of science and engineering.

Program Requirements
Computer Science AS Core Courses (Total 28 - 32)
Complete all of the following

Programming Language Options (Total 6)
Complete the follwoing number of rules: 1
C/C++ Programming (Total 6)

Complete all of the following	**Units**
CS 120 - Programming and Algorithms in C++	3
CS 130 - Data Structures using C++	3

Java Programming (Total 6)

CS 121 - Programming and Algorithms in Java	3
CS 131 - Data Structures using Java	3

Python Programming (Total 6)

CS 122 - Programming and Algorithms in Python	3
CS 132 - Data Structures using Python	3

Core Courses Required (Total 16)
Complete all of the following

CS 140 - Assembly Language and Computer Architecture	3
CS 150 - Discrete Structures	4
MATH 150 - Calculus and Analytic Geometry	5
MATH 160 - Calculus and Analytic Geometry	4

Core Electives (Total 6 - 10)
Complete the following number of units: 6-10

CS 110 - Introduction to Programming Concepts and Methodologies	3
CS 230 - Advanced Programming and Algorithms in C++	3
CS 231 - Advanced Programming and Algorithms in Java	3
BIOL 110 - General Molecular Cell Biology	5
BIOL 120 - General Organismal, Ecological and Evolutionary Biology	5
CHEM 110 - General Chemistry	5
CHEM 120 - General Chemistry	5
ENGR 185 - Digital Logic and Design	4
MATH 220 - Linear Algebra	4
PHYS 110 - General Physics	4
PHYS 120 - General Physics	4

Recommended Pathway

Semester 1	**Units**
MATH 150 - Calculus and Analytic Geometry	5
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 1B	3
AVC GE Area 4	3
	Total 15
Semester 2	
Programming Language Options (CS 120 ***OR*** CS 121 ***OR*** CS 122)	3
MATH 160 - Calculus and Analytic Geometry	4
AVC GE Area 3	3
Core Electives (see list)	3-5
General Elective	2
	Total 15-17
Semester 3	
Programming Language Options (CS 130 ***OR*** CS 131 ***OR*** CS 132)	3
CS 140 - Assembly Language and Computer Architecture	3
AVC GE Area 6	3
General Elective	3
General Elective	3
	Total 15
Semester 4	
CS 150 - Discrete Structures	4
Core Electives (see list)	3-5
AVC GE Area 5	3
General Elective	3
General Elective	2
	Total 15-17
	Degree Total 60-64

Computer Science AS-T

The Associate in Science in Computer Science for Transfer (AS-T in Computer Science) degree is to provide students with a foundational knowledge of computer science, to enhance their problem-solving skills, sharpen their critical thinking and the opportunity to seamlessly transfer to a California State University in advanced standing as a Computer Science major. Additionally, the degree can prepare students in areas of science and engineering. The Associate in Science in Computer Science for Transfer (AS-T in Computer Science) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses but do not exclude admittance to other colleges or universities.

To earn the Associate in Science in Computer Science for Transfer (AS-T in Computer Science) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major
- Completion of the Cal-GETC pattern
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district

Program Requirements
Computer Science AST Core Courses (Total 30 - 31)
Complete all of the following

Programming Language Options; Select One Grouping (Total 6)
Complete the following number of units: 6
C/C++ Programming (Total 6)

Complete all of the following	**Units**
CS 120 - Programming and Algorithms in C/C++	3
CS 130 - Data Structures using C++	3

Java Programming (Total 6)
Complete all of the following

CS 121 - Programming and Algorithms in Java	3
CS 131 - Data Structures using Java	3

Python Programming (Total 6)
Complete all of the following

CS 122 - Programming and Algorithms in Python	3
CS 132 - Data Structures using Python	3

Core Courses Required (Total 20)
Complete all of the following

CS 140 - Assembly Language and Computer Architecture	3
CS 150 - Discrete Structures	4
MATH 150 - Calculus and Analytic Geometry	5
MATH 160 - Calculus and Analytic Geometry	4
PHYS 110 - General Physics	4

Core Course Options (Total 4 - 5)
Complete the following number of units: 4-5

BIOL 110 - General Molecular Cell Biology	5
BIOL 120 - General Organismal, Ecological and Evolutionary Biology	5
CHEM 110 - General Chemistry	5
PHYS 120 - General Physics	4

Recommended Pathway

Summer 1	**Units**
Cal-GETC GE Area 3A	3
Cal-GETC GE Area 1C	3
	Total 6
Semester 1	
Cal-GETC GE Area 3B	3
Programming Language Options (CS 120 ***OR*** CS 121 ***OR*** CS 122)	3
Cal-GETC GE Area 1A (ENGL C1000)	4
MATH 150 - Calculus and Analytic Geometry	5
	Total 15
Semester 2	
Programming Language Options (CS 130 ***OR*** CS 131 ***OR*** CS 132)	3
MATH 160 - Calculus and Analytic Geometry	4
Cal-GETC GE Area 5B	3
Cal-GETC GE Area 1B	3
	Total 13
Semester 3	
CS 140 - Assembly Language and Computer Architecture	3
PHYS 110 - General Physics	4
Cal-GETC GE Area 4	3
Cal-GETC GE Area 4	3
	Total 13
Semester 4	
CS 150 - Discrete Structures	4
Core Course Options (see list)	4-5
Cal-GETC GE Area 6	3
General Elective	2
	Total 13-14
	Degree Total 60-61

Computer Science Courses

CS 100 SURVEY OF COMPUTER SCIENCE

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27

A survey course designed to acquaint the student with the general concepts and basic vocabulary of computers and information systems. Includes introduction to the organization and functions of basic components of computers and information processing systems. Instruction in programming procedures and programming logic is provided. Other topics include Internet and networking fundamentals as well as basic computer software such as spreadsheets and database applications. Appropriate for the student with a general interest in this area as well as for the student desiring to pursue further training in computer science or information systems. (Engineering and science majors consult counselors.) (CSU, UC, AVC) (Formerly CIS 101)

CS 110 INTRODUCTION TO PROGRAMMING CONCEPTS AND METHODOLOGIES

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27

Advisory: *Completion of CS 100.*

This is an introductory course designed to teach basic concepts of computer hardware and the programming commands that control them. Student will be introduced to the principles of structured programming as well as describing, creating, testing, and debugging structured programs to complete tasks. (Engineering and science majors consult counselors) (CSU, UC, AVC)

CS 120 PROGRAMMING AND ALGORITHMS IN C++

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Prerequisite: *Completion of or concurrent enrollment in MATH 150 OR completion of or concurrent enrollment in MATH 150H OR completion of CS 110 OR successful completion of one year of Calculus in high school OR successful completion of one year of programming in high school.*
This is a first course designed to teach computer programming to Computer Science majors as well as non - Computer Science majors with an introduction to C++ programming. Focus is on hands-on C++ programming skills, problem-solving using algorithmic thinking, abstraction, implementing an algorithm to executable code, debugging and testing software programs. Problem solving through stepwise development of algorithms is presented. Students will learn programming language syntax, coding, program logic, and program testing. Students will plan, create, test, and run their own programs to solve typical problems. (Engineering and science majors consult counselors) (C-ID: COMP 122) (UC, CSU, AVC) (Students who completed CIS 161 or CIS 173 will not receive credit for CS 120)

CS 121 PROGRAMMING AND ALGORITHMS IN JAVA

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Prerequisite: *Completion of or concurrent enrollment in MATH 150 OR completion of or concurrent enrollment in MATH 150H OR completion of CS 110 OR successful completion of one year of Calculus in high school OR successful completion of one year of programming in high school.*
This is a first course designed to teach computer programming to Computer Science majors as well as non - Computer Science majors with an introduction to Java programming. Focus is on hands-on Java programming skills, problem-solving using algorithmic thinking, abstraction, implementing an algorithm to executable code, debugging and testing software programs. Problem solving through stepwise development of algorithms is presented. Students will learn programming language syntax, coding, program logic, and program testing. Students will plan, create, test, and run their own programs to solve typical problems. (Engineering and science majors consult counselors) (C-ID: COMP 122) (UC, CSU, AVC) (Formerly CIS 111)

CS 122 PROGRAMMING AND ALGORITHMS IN PYTHON

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Prerequisite: *Completion of or concurrent enrollment in MATH 150 OR completion of or concurrent enrollment in MATH 150H OR completion of CS 110 OR successful completion of one year of Calculus in high school OR successful completion of one year of programming in high school.*
This is the first course designed to teach computer programming to Computer Science majors as well as non - Computer Science majors with an introduction to Python programming. Focus is on hands-on Python programming skills, problem-solving using algorithmic thinking, abstraction, implementing an algorithm to executable code, debugging and testing software programs. Problem solving through stepwise development of algorithms is presented. Students will learn programming language syntax, coding, program logic, and program testing. Students will plan, create, test, and run their own programs to solve typical problems. (C-ID: COMP 122) (UC, CSU, AVC) (Formerly CIS 177)

CS 130 DATA STRUCTURES USING C++

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Prerequisite: *Completion of CS 120.*
This course continues the introduction to programming and algorithms initiated in CS 120, with a particular focus on the ideas of data abstraction and object-oriented programming. Topics include object-oriented programming, fundamental data structures, design and implementation of abstract data types, common types of collections (such as stacks, queues, lists, graphs, trees and sets), algorithm analysis and complexity, search and sort algorithms, and the use of recursion. Students plan and create programs using data structures and collection types to solve problems frequently encountered by professional computer scientists. This course is intended for students majoring in Computer Science. (Engineering and Science majors consult counselors.) (CSU, UC, AVC)

CS 131 DATA STRUCTURES USING JAVA

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Prerequisite: *Completion of CS 121.*
This course continues the introduction to programming and algorithms initiated in CS 121, with a particular focus on the ideas of data abstraction and object-oriented programming. Topics include object-oriented programming, fundamental data structures, design and implementation of abstract data types, common types of collections (such as stacks, queues, lists, graphs, trees, and sets), algorithm analysis and complexity, search and sort algorithms, and the use of recursion. Students plan and create programs using data structures and collection types to solve problems frequently encountered by professional computer scientists. This course is intended for students majoring in Computer Science. (Engineering and Science majors consult counselors.) (UC, CSU, AVC) (Formerly CIS 113)

CS 132 DATA STRUCTURES USING PYTHON

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Prerequisite: *Completion of CS 122.*
This course continues the introduction to programming and algorithms initiated in CS 122, with a particular focus on the ideas of data abstraction and object-oriented programming. Topics include object-oriented programming, fundamental data structures, design and implementation of abstract data types, common types of collections (such as stacks, queues, lists, graphs, trees and sets), algorithm analysis and complexity, search and sort algorithms, and the use of recursion. Students plan and create programs using data structures and collection types to solve problems frequently encountered by professional computer scientists. This course is intended for students majoring in Computer Science. (Engineering and Science majors consult counselors.) (UC, CSU, AVC)

CS 140 ASSEMBLY LANGUAGE AND COMPUTER ARCHITECTURE

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Prerequisite: *Completion of CS 120 or CS 121 or CS 122 or CS 123.*
Covers the basics of integrated circuit technology, digital logic gates and circuit design, computer organization and ISA standard computer architecture, microcode, number systems and data representation, machine languages, assembly languages and programming, memory systems, addressing, operating systems, interrupt/exception handling, input/output processing, and the connection between high-level language, assembly language, and machine operation on a microprocessor system. (CSU, UC, AVC) (Formerly CIS 123)

CS 150 DISCRETE STRUCTURES

4 Units
Total Course Lecture Hours 72
Prerequisite: *Completion of MATH 150 or MATH 150H and completion of CS 130 or CS 131 or CS 132.*
This course covers the fundamental mathematical elements of computer science including mathematical functions, relations and sets; basic logic; proof techniques; basics of counting; graphs and trees; and discrete probability. (C-ID: COMP 152) (UC, CSU, AVC) (Formerly CIS 121)

CS 230 ADVANCED PROGRAMMING AND ALGORITHMS IN C++

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Prerequisite: *Completion of CS 130.*
This is an advanced course designed to teach advanced topics in computer programming to Computer Science majors as well as non - Computer Science majors using C++ programming. Focus is on hands-on C/C++ programming skills, problem-solving using algorithmic thinking, abstraction, implementing an algorithm to executable code, debugging and testing software programs. Problem solving through stepwise development of algorithms is presented. Students will further learn programming language syntax, coding, program logic, and program testing. Students will plan, create, test, and run their own programs to solve more advanced problems. (Engineering and science majors consult counselors) (CSU, UC, AVC)

CS 231 ADVANCED PROGRAMMING AND ALGORITHMS IN JAVA

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Prerequisite: *Completion of CS 131.*
This course teaches advanced Java programming concepts, the extensive Java class library, and Object Oriented design and programming. The students will learn advanced techniques for using exceptions, file input/output, utility classes, multi-threading, network/Internet programming, streams, developing Web applications and Graphical User Interface (GUI) programming. This course is intended for students majoring in Computer Science or those desiring-to increase their programming skills. (CSU, UC, AVC) (Formerly CIS 175)

Department Description

The Dance program offers experience in dance as an art form, both in practice and in theory. Students of dance experience creative expression through bodily movement, movement rhythmic structure, and the development of bodily alignment, form, strength, coordination, balance, control, physical agility, flexibility, and stamina. The Dance program provides a program of professional preparation courses for those students majoring in dance who wish to transfer to a four-year educational institution, and it gives students training in dance technique, choreographic methods, dance theory, and dance performance for personal development or to prepare them for a career in dance.

Program Learning Outcomes

Dance AA

1. Demonstrate knowledge of various dance techniques, dance vocabulary, choreography, performance, and history of various dance forms.
2. Communicate dramatic or emotional content by expression through choreography and dance performance.
3. Analyze dance works and interpret dance works for their historical origins and choreographic technique.

Certificate Program

Certificate not applicable.

Associate Degree

Dance AA

The Associate in Arts in Dance degree offers an experience in dance as an art form, both in practice and in theory. Students enrolled in the AA in Dance degree will experience creative expression through bodily movement, movement rhythmic structure, and the development of bodily alignment, form, strength, coordination, balance, control, physical agility, flexibility and stamina. The grace and confidence one gains in dance is beneficial to everyone in all aspects of life. Students who are planning to transfer to university will be well prepared for their supplemental application and audition. For additional transfer requirements, please make an appointment with General Counseling.

Dance (Total 27 - 30)
Complete the following number of units: 27-30

Required Courses (Total 11)	Units
Complete all of the following	
DA 103 - Beginning Modern Dance	1
DA 108 - Dance Ensemble	3
DA 111 - Choreography	3
DA 116 - Dance Improvisation	1
MUS 111 - Fundamentals of Music	3

Required Electives A (Total 2)
Complete the following number of units: 2

DA 102 - Beginning Ballet	1
DA 122 - Intermediate Ballet	1
DA 202 - Advanced Ballet	1

Program Electives B (Total 2)
Complete the following number of units: 2

DA 123 - Intermediate Modern Dance	1
DA 203 - Advanced Modern Dance	1

Program Electives C (Total 12 - 15)
Complete the following number of units: 12-15

DA 104 - Beginning Jazz Dance	1
DA 105 - Beginning Tap Dance	1
DA 107A - Dance Performance	1
DA 107B - Dance Performance	2
DA 107C - Dance Performance	3
DA 110 - Hip-Hop Dance	1
DA 113 - World Dance-Ethnic Forms	1
DA 117 - Dance Conditioning	1
DA 124 - Intermediate Jazz Dance	1
DA 125 - Intermediate Tap Dance	1
DA 199 - Work Experience Education	4
DA 204 - Advanced Jazz Dance	1
DA 205 - Advanced Tap Dance	1
MUSC 102 - History of Jazz	3
MUSC 108 - History of Hip Hop	3
THA 101 - Introduction to Theatre	3
THA 110 - Fundamentals of Acting	3

Recommended Pathway

Term 1	Units
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 3	3
DA 108 - Dance Ensemble	3
AVC GE Area 2 (STAT C1000)	4
Required Electives C (DA 104)	1
Required Electives A (DA 102)	1
DA 103 - Beginning Modern Dance	1
	Total 17
Term 2	
AVC GE Area 1B	3
AVC GE Area 5	3
DA 116 - Dance Improvisation	1
Required Electives C (DA 107B)	2
Required Electives A (DA 122)	1
Required Electives C (DA 124)	1
Required Electives B (DA 123)	1
MUS 111 - Fundamentals of Music	3
	Total 15
Term 3	
Required Electives B (DA 203)	1
AVC GE Area 6	3
Required Electives C (DA 113)	1
Required Electives C (DA 107A)	1
Required Electives C (DA 105)	1
AVC GE Area 4	3
General Elective	1
DA 111 - Choreography	3
	Total 14
Term 4	
General Elective	3
General Elective	3
Required Electives C (DA 107C)	3
General Elective	2
Required Electives C (THA 110)	3
	Total 14
	Degree Total 60

Dance Courses

DA 101 DANCE APPRECIATION
3 Units
Total Course Lecture Hours 54
A study of dance as it has evolved throughout history with an emphasis on western theatrical dancing. Introduces major concepts, approaches, and issues in the study of dance as a cultural, historical, and artistic practice. Uses text, audiovisual, demonstration, and performance to expose students to the prominent choreographers and performers who have influenced dance culturally, historically, and as an art form. (UC, CSU, AVC)

DA 102 BEGINNING BALLET
1 Unit
Total Course Lab Hours 54
A beginning course that introduces the student to the basic vocabulary, movements, and discipline of classical ballet. (UC, CSU, AVC) (R3) # Enrollment in any combination of DA 102 or DA 122 is limited to 4 times.

DA 103 BEGINNING MODERN DANCE
1 Unit
Total Course Lab Hours 54
An introduction to the fundamentals of creative expression, and development of bodily strength, flexibility, coordination, balance, and rhythm through dance techniques. (UC, CSU, AVC) (R3) # Enrollment in any combination of DA 103, DA 123 or DA 203 is limited to 4 times.

DA 104 BEGINNING JAZZ DANCE
1 Unit
Total Course Lab Hours 54
An introduction to the basic movement skills employed in jazz dance techniques. Compositional forms and rhythms are practiced leading to an understanding and appreciation of jazz as an artistic dance form. (UC, CSU, AVC)

DA 105 BEGINNING TAP DANCE
1 Unit
Total Course Lab Hours 54
This course introduces basic tap dance techniques using various beginning level combinations and rhythmic structures. It provides students an opportunity to develop motor coordination and rhythm through style and performance. Historical studies on tap dance pioneers, cultural influences, and current trends are introduced. Compositional forms and rhythms are practiced leading to an understanding and appreciation of tap as an artistic dance form. Note: For successful completion of this course, student will need to acquire their own tap shoes and have access to a hardwood floor or tap board. (UC, CSU, AVC)

DA 106 BALLROOM DANCE
1 Unit
Total Course Lab Hours 54
This course is designed to introduce students to ballroom dancing through developing an understanding of its history, music, and fundamental practices of performance. Instruction on leading and following, proper body carriage and alignment, and social etiquette is emphasized through detailed demonstrations and consistent practice. Basic steps, variations and styling techniques for selected novelty dances will be included. (UC, CSU, AVC)

DA 106B LATIN BALLROOM DANCE
1 Unit
Total Course Lab Hours 54
This course introduces Latin ballroom dances including salsa, cha-cha, rhumba, samba, mambo, jive, paso doble, and bachata. Areas of study include movement theory, dance vocabulary, dance courtesy, and fundamentals of music. Rhythm, posture, and connection with partner are emphasized. (CSU, AVC)

DA 107A DANCE PERFORMANCE
1 Unit
Total Course Lab Hours 54
Advisory: BEFORE AUDITIONING*, students should have at least two years of dance experience and the knowledge of various dance techniques.*
Limitation on Enrollment: *Audition required.*
Students will perform in a dance production. The course is primarily concerned with the performing aspects of dance as well as some choreography and staging. Through rehearsal and performance, students will improve performance skills and abilities. (UC, CSU, AVC) (R3) # Enrollment in any combination of DA 107A, DA 107B or DA 107C is limited to 4 times.

DA 107B DANCE PERFORMANCE
2 Units
Total Course Lab Hours 108
Advisory: BEFORE AUDITIONING*, students should have at least two years of dance experience and the knowledge of various dance techniques.*
Limitation on Enrollment: *Audition required.*
Students will perform in a dance production. The course is primarily concerned with the performing aspects of dance as well as some choreography and staging. Through rehearsal and performance, students will improve performance skills and abilities. (UC, CSU, AVC) (R3) # Enrollment in any combination of DA 107A, DA 107B or DA 107C is limited to 4 times.

DA 107C DANCE PERFORMANCE
3 Units
Total Course Lab Hours 162
Advisory: BEFORE AUDITIONING*, students should have at least two years of dance experience and the knowledge of various dance techniques.*
Limitation on Enrollment: *Audition required.*
Students will perform in a dance production. The course is primarily concerned with the performing aspects of dance as well as some choreography and staging. Through rehearsal and performance, students will improve performance skills and abilities. (UC, CSU, AVC) (R3) # Enrollment in any combination of DA 107A, DA 107B or DA 107C is limited to 4 times.

DA 108 DANCE ENSEMBLE

3 Units

Total Course Lab Hours 162

***Advisory: BEFORE AUDITIONING**, students should have at least two years of dance experience and the knowledge of various dance techniques.*

***Limitation on Enrollment:** Audition required.*

This is a college dance company class. The course is primarily concerned with the performing aspects of dance as well as some choreography and staging. Through rehearsal and performance, students will focus on learning various forms of repertory. This course will also offer experience in the many phases of dance productions, concerts, and demonstrations, which will be performed in various settings including schools, parks and theaters. (UC, CSU, AVC) (R3)

DA 110 HIP-HOP DANCE

1 Unit

Total Course Lab Hours 54

This course introduces the foundational elements of hip-hop dance including music, technique and vocabulary as well as various styles and sub-cultures. Students will gain a physical and cognitive understanding of body coordination, rhythm and musicality. Students will also be introduced to the historical context of hip-hop, which includes the development and co-evolution of its culture, music and dance. (CSU, AVC)

DA 111 CHOREOGRAPHY

3 Units

Total Course Lecture Hours 54

***Advisory:** Completion of DA 102, DA 103, DA 104, DA 105, DA 107A, DA 107B, DA 107C, DA 108 or the equivalent.*

This course explores the basic principles of dance composition emphasizing on the concepts of space, time, and energy. It provides the opportunity for the practical understanding and application of elements of choreography through problem solving, research, and critique of choreography. It integrates dance movement technique as a form of expression to communicate literal and non-literal themes. Solo and small group choreography will be emphasized as well as improvisations. BEFORE ENROLLING, students should have at least two years of dance experience and the knowledge of various dance techniques. (UC, CSU, AVC)

DA 113 WORLD DANCE - ETHNIC FORMS

3 Units

Total Course Lecture Hours 54

Dance around the world is studied in its cultural and social context. Analyzes similarities and differences among dance practices in reference to geographical zones, societal structures and values, religious practices, historical events, and other related art practices within the culture. Includes cultures from Africa, Asia, Europe, India, Latin America, Middle East, and North America, plus a focus on Southern California. (UC, CSU, AVC)

DA 115 DANCE REPERTORY

1 Unit

Total Course Lab Hours 54

***Advisory:** Knowledge and experience in the various genres of dance. **BEFORE ENROLLING**, students should have at least two years of previous dance experience.*

This course is an introduction to the study and reconstruction of various ballet, modern and jazz dance pieces choreographed by outstanding artists in the field of dance. Students should have an understanding of the different dance idioms and their respective vocabulary including ballet, modern and jazz dance. Students need to be able to reproduce movements necessary for advanced compositions. (UC, CSU, AVC) (R3)

DA 116 DANCE IMPROVISATION

1 Unit

Total Course Lab Hours 54

***Advisory: BEFORE ENROLLING**, students should have at least one year of dance experience.*

Students will learn to apply dance technique to improvisational movement studies in a creative and nonjudgmental environment. Various stimuli will be used to encourage the discovery of a unique and creative language of expression through movement. (UC, CSU, AVC) (R3)

DA 117 DANCE CONDITIONING

1 Unit

Total Course Lab Hours 54

Dance Conditioning employs somatic practices for the purpose of fundamental conditioning and repatterning techniques to improve dance performance and overall health and fitness. Students will achieve deeper proprioceptive and interoceptive awareness, strength, mobility and breath connection to improve efficiency, efficacy and safety in their dance courses and dance careers. Also suitable for cross-training. (CSU, AVC) (R3)

DA 118 YOGA FOR DANCERS

1 Unit

Total Course Lab Hours 54

Yoga for Athletes and Dancers incorporates various yogic practices including asana (postures), pranayama (breathing exercises) and meditation to prepare and maintain a healthy, integral and focused approach to their various movement needs (athletics, dance, etc.). Students will learn and utilize these practices to aid in improvement of concentration, physical endurance, flexibility, balance and alignment. Students will also learn and use various tools for stress relief, injury prevention and active recovery. Previous yoga experience is recommended, but not required. (CSU, AVC)

DA 122 INTERMEDIATE BALLET

1 Unit

Total Course Lab Hours 54

A course which uses the basic movements of beginning ballet as a base and progresses to a higher level of technical difficulty and competency. BEFORE ENROLLING, students should have completed one year of ballet training and/or completion of DA 102. (UC, CSU, AVC) (R3) # Enrollment in any combination of DA 102 or DA 122 is limited to 4 times.

DA 123 INTERMEDIATE MODERN DANCE
1 Unit
Total Course Lab Hours 54
A study of dance techniques developed by outstanding dancers in the modern dance field, which uses beginning modern dance as a base and progresses to a higher level of technical difficulty and competency. **BEFORE ENROLLING**, students should have completed one year of dance training and/or completion of DA 103. (UC, CSU, AVC) (R3) # Enrollment in any combination of DA 103, DA 123 or DA 203 is limited to 4 times.

DA 124 INTERMEDIATE JAZZ DANCE
1 Unit
Total Course Lab Hours 54
This course continues development of intermediate movement skills employed in jazz dance technique with an emphasis on style and form. Increased compositional forms and rhythms are practiced leading to an understanding and appreciation of jazz as an artistic dance form. **BEFORE ENROLLING**, students should know basic jazz movements including isolation coordination and complex rhythmic forms, and/or completion of one semester of DA 104. (UC, CSU, AVC) (R3) Enrollment in any combination of DA 124 or DA 204 is limited to 4 times.

DA 125 INTERMEDIATE TAP DANCE
1 Unit
Total Course Lab Hours 54
***Advisory: BEFORE ENROLLING**, students should have at least one year of tap dance, and/or completion of DA 105.*
This course is a continued development tap dance techniques and tap dances, emphasizing on intermediate level combinations and rhythmic structures. It will provide an opportunity to further develop motor coordination and rhythm through style and performance. Compositional forms and rhythms developed by tap dance pioneers, cultural influences, and current trends are practiced leading to an understanding and appreciation of tap as an artistic dance form. Note: For successful completion of this course, student will need to acquire their own tap shoes and have access to a hardwood floor or tap board. (UC, CSU, AVC)

DA 199 WORK EXPERIENCE EDUCATION
1–8 Units
Total Course Lab Hours 54–432
***LIMITATION ON ENROLLMENT:** To participate in work experience education, students must have a paid or unpaid job or internship and have the approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*
Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

DA 202 ADVANCED BALLET
1 Unit
Total Course Lab Hours 54
Using beginning and intermediate ballet as a base, this course is a continuation of the study of classical ballet with an emphasis on performance style as well as increased technical and choreographic skills. **BEFORE ENROLLING**, students should have completed two years of ballet training and/or completion of DA 122. (UC, CSU, AVC)

DA 203 ADVANCED MODERN DANCE
1 Unit
Total Course Lab Hours 54
Using beginning and intermediate modern dance as a base, this course is a continuation of the study of modern dance with an emphasis on performance style as well as increased technical and choreographic skills. **BEFORE ENROLLING**, students should have completed two years of modern dance training and/or completion of DA 123. (UC, CSU, AVC) (R3) # Enrollment in any combination of DA 103, DA 123 or DA 203 is limited to 4 times.

DA 204 ADVANCED JAZZ DANCE
1 Unit
Total Course Lab Hours 54
***Advisory:** At least two years of previous jazz dance training and/or completion of DA 124.*
This course is a progressive refinement of jazz dance technique with an emphasis on line, style and form. Advanced compositional forms and rhythms are practiced leading to an understanding and appreciation of jazz as an artistic dance form. Students will demonstrate various jazz dance styles at a performance level. **BEFORE ENROLLING**, students should know intermediate jazz movements including isolation coordination and complex rhythmic forms. Athletic stamina, strength and increased flexibility are necessary to succeed in advanced jazz. (UC, CSU, AVC) (R3) # Enrollment in any combination of DA 124 or DA 204 is limited to 4 times.

DA 205 ADVANCED TAP DANCE
1 Unit
Total Course Lab Hours 54
***Advisory:** Completion of DA 125 or at least two years of tap dance experience.*
This course is a continuation of intermediate tap dance, focusing on advanced level combinations and rhythmic structures. It will further expand the study of tap styles, tap dance history, and tap performance. Compositional forms and rhythms are practiced leading to an understanding and appreciation of tap as an artistic dance form. Note: For successful completion of this course, student will need to acquire their own tap shoes and have access to a hardwood floor or tap board. (UC, CSU, AVC)

Department Description

Students who complete the associate degree have enhanced employability working with the Deaf community in settings such as social work and education. They are well prepared for full-time, permanent positions rather than temporary, on-call positions. The associate degree will provide students with a broad range of knowledge with which to evaluate and appreciate American Sign Language, Deaf culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Learning Outcomes

Deaf Studies: American Sign Language Cert & AA

1. Demonstrate good citizenship and teamwork through respect, tolerance, cultural awareness and the role of diversity in the modern Deaf community.
2. Identify career opportunities available to persons that sign.
3. Qualify to enter into AVC's DFST -Interpreter Training Program.

Deaf Studies: Interpreter Training Cert & AA

1. Demonstrate good citizenship and teamwork through respect, tolerance, cultural awareness and the role of diversity in the modern Deaf community.
2. Identify career opportunities available to persons that sign and/or interpret.
3. Demonstrate interpreting skills that lead a graduate into the profession of Sign Language Interpreting.

Certificate Programs

Deaf Studies: American Sign Language Cert

Deaf Studies offers associate degree and certificate programs in both American Sign Language and Interpreter Training. American Sign Language is suited for those interested in learning to communicate with people in the Deaf community, as well as enhancing cultural awareness. Interpreter Training focuses on developing and utilizing American Sign Language skills to provide communication access for persons who are Deaf or Hard-Of-Hearing. The successful student has many career opportunities to choose from upon completion.

Program Requirements
Deaf Studies: American Sign Language Cert (Total 38)
Complete all of the following

Required Courses (Total 31)

Complete all of the following	Units
DFST 101 - American Sign Language I	4
DFST 102 - American Sign Language II	4
DFST 105 - Introduction to American Deaf Culture	3
DFST 110 - Power, Privilege, and Oppression	3
DFST 201 - American Sign Language III	4
DFST 202 - American Sign Language IV	4
DFST 204 - Structure of American Sign Language	3
INT 101 - Principles of Sign Language Interpreting	3
INT 201 - Translation	3

Program Electives (Total 7)
Complete the following number of units: 7

DFST 101L - American Sign Language I Skill Building Lab	1
DFST 102L - American Sign Language II Skill Building Lab	1
DFST 106 - Introduction to Deaf Education	3
DFST 108 - Visual, Gestural, and Non-Manual Aspects of American Sign Language	3
DFST 201L - American Sign Language III/IV Skill Building Lab	1
DFST 205 - Numbers, Fingerspelling and Classifiers	3
DFST 206 - Creative Signing	2
DFST 199 - Work Experience Education	1-8
INT 210 - Ethics, Decision-Making, & Professionalism for Interpreters	3

Recommended Pathway

Term 1	Units
DFST 101 - American Sign Language I	4
Program Electives (DFST 101L)	1
DFST 110 - Power, Privilege, and Oppression	3
	Total 8
Term 2	
DFST 102 - American Sign Language II	4
Program Electives (DFST 102L)	1
DFST 105 - Introduction to American Deaf Culture	3
	Total 8
Term 3	
DFST 201 - American Sign Language III	4
INT 201 - Translation	3
INT 101 - Principles of Sign Language Interpreting	3
Program Electives (DFST 206)	2
	Total 12
Term 4	
DFST 202 - American Sign Language IV	4
DFST 204 - Structure of American Sign Language	3
Program Electives (INT 210)	3
	Total 10
	Certificate Total 38

Deaf Studies: Interpreter Training Cert

This certificate requires a minimum of 39 units. Students must take all courses listed in the “Required Courses” and complete the remaining 6 units from program electives. Students who complete the certificate program have enhanced employability working with the Deaf community in settings such as social work, education, and interpreting. They are well prepared for full-time, permanent positions rather than temporary, on-call positions. The certificate will provide students with a broad range of knowledge with which to evaluate and appreciate American Sign Language, Deaf culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Deaf Studies: Interpreter Training Cert (Total 39)
Complete all of the following

Required Courses (Total 33)

Complete all of the following	**Units**
DFST 110 - Power, Privilege, and Oppression	3
DFST 201 - American Sign Language III	4
DFST 202 - American Sign Language IV	4
DFST 204 - Structure of American Sign Language	3
INT 101 - Principles of Sign Language Interpreting	3
INT 201 - Translation	3
INT 202 - Interpreting I	3
INT 203 - Interpreting II	3
INT 206 - Interpreting III	4
INT 210 - Ethics, Decision-Making, & Professionalism for Interpreters	3

Program Electives (Total 6):
Complete the following number of units: 6

DFST 105 - Introduction to American Deaf Culture	3
DFST 205 - Numbers, Fingerspelling and Classifiers	3
INT 205 - Interpreting in Specialized Settings	3
INT 199 - Work Experience Education	1-8

Recommended Pathway

Term 1	**Units**
INT 101 - Principles of Sign Language Interpreting	3
DFST 201 - American Sign Language III	4
INT 201 - Translation	3
	Total 10
Term 2	
DFST 202 - American Sign Language IV	4
INT 202 - Interpreting I	3
Program Electives (DFST 105)	3
	Total 10
Term 3	
DFST 110 - Power, Privilege, and Oppression	3
INT 203 - Interpreting II	3
DFST 204 - Structure of American Sign Language	3
	Total 9
Term 4	
INT 210 - Ethics, Decision-Making, & Professionalism for Interpreters	3
INT 206 - Interpreting III	4
Program Electives (DFST 205)	3
	Total 10
	Certificate Total 39

Associate Degrees

Deaf Studies: American Sign Language AA

Students who complete the associate degree have enhanced employability working with the Deaf community in settings such as social work and education. They are well prepared for full-time, permanent positions rather than temporary, on-call positions. The associate degree will provide students with a broad range of knowledge with which to evaluate and appreciate American Sign Language, Deaf culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Deaf Studies: American Sign Language AA (Total 38)
Complete all of the following

Required Courses (Total 31)

Complete the following number of units: 31	**Units**
DFST 101 - American Sign Language I	4
DFST 102 - American Sign Language II	4
DFST 105 - Introduction to American Deaf Culture	3
DFST 110 - Power, Privilege, and Oppression	3
DFST 201 - American Sign Language III	4
DFST 202 - American Sign Language IV	4
DFST 204 - Structure of American Sign Language	3
INT 101 - Principles of Sign Language Interpreting	3
INT 201 - Translation	3

Program Electives (Total 7)
Complete the following number of units: 7

DFST 101L - American Sign Language I Skill Building Lab	1
DFST 102L - American Sign Language II Skill Building Lab	1
DFST 106 - Introduction to Deaf Education	3
DFST 108 - Visual, Gestural & Non-Manual Aspects of American Sign Language	3
DFST 201L - American Sign Language III/IV Skill Building Lab	1
DFST 205 - Numbers Fingerspelling and Classifiers	3
DFST 206 - Creative Signing	2
DFST 199 - Work Experience Education	8
INT 210 - Ethics, Decision-Making, & Professionalism for Interpreters	3

Recommended Pathway

Term 1	**Units**
DFST 101 - American Sign Language I	4
Program Electives (DFST 101L)	1
DFST 110 - Power, Privilege, and Oppression	3
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 2 (MATH 110)	3
	Total 15
Term 2	
DFST 102 - American Sign Language II	4
Program Electives (DFST 102L)	1
DFST 105 - Introduction to American Deaf Culture	3
AVC GE Area 5	3
AVC GE Area 6	3
	Total 14
Term 3	
DFST 201 - American Sign Language III	4
INT 201 - Translation	3
INT 101 - Principles of Sign Language Interpreting	3
Program Electives (DFST 206)	2
AVC GE Area 1B (COMM C1000)	3
	Total 15
Term 4	
DFST 202 - American Sign Language IV	4
DFST 204 - Structure of American Sign Language	3
Program Electives (INT 210)	3
AVC GE Area 3	3
AVC GE Area 4	3
	Total 16
	Degree Total 60

Deaf Studies: Interpreter Training AA

Students who complete the associate degree have enhanced employability working with the Deaf community in settings such as social work, education, and interpreting. They are well prepared for full-time, permanent positions rather than temporary, on-call positions. The associate degree will provide students with a broad range of knowledge with which to evaluate and appreciate American Sign Language, Deaf culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Deaf Studies: Interpreter Training AA (Total 39)
Complete all of the following

Required Courses (Total 33)	**Units**
Complete all of the following	
DFST 110 - Power, Privilege, and Oppression	3
DFST 201 - American Sign Language III	4
DFST 202 - American Sign Language IV	4
DFST 204 - Structure of American Sign Language	3
INT 101 - Principles of Sign Language Interpreting	3
INT 201 - Translation	3
INT 202 - Interpreting I	3
INT 203 - Interpreting II	3
INT 206 - Interpreting III	4
INT 210 - Ethics, Decision-Making, & Professionalism for Interpreters	3

Program Electives (Total 6)	
Complete the following number of units: 6	
DFST 105 - Introduction to American Deaf Culture	3
DFST 205 - Numbers Fingerspelling and Classifiers	3
INT 205 - Interpreting in Specialized Settings	3
INT 199 - Work Experience Education	1 - 8

Recommended Pathway

Term 1	**Units**
INT 101 - Principles of Sign Language Interpreting	3
DFST 201 - American Sign Language III	4
INT 201 - Translation	3
AVC GE Area A1 (ENGL C1000)	4
Program Electives (DFST 105)	3
Total	**17**

Term 2	
DFST 202 - American Sign Language IV	4
INT 202 - Interpreting I	3
AVC GE Area 2 (MATH 110)	3
AVC GE Area 1B (COMM C1000)	3
Total	**13**

Term 3	
AVC GE Area 6	3
DFST 110 - Power, Privilege, and Oppression	3
INT 203 - Interpreting II	3
AVC GE Area 5	3
General Elective	2
Total	**14**

Term 4	
DFST 204 - Structure of American Sign Language	3
INT 210 - Ethics, Decision-Making & Professionalism for Interpreters	3
INT 206 - Interpreting III	4
Program Electives (DFST 205 ***OR*** INT 205)	3
AVC GE Area 4	3
Total	**16**
Degree Total	**60**

Deaf Studies Courses

DFST 101 AMERICAN SIGN LANGUAGE I

4 Units
Total Course Lecture Hours 63
Total Course Lab Hours 27
As part of the American Sign Language (ASL) course sequence, ASL I is designed mainly to introduce ASL, a visual-gestural language used by the Deaf community in the United States and Canada, and, more importantly, to focus on the development of basic conversational skills, emphasizing receptive abilities. Deaf culture will be studied as it relates to the course. (UC, CSU, AVC)

DFST 101L AMERICAN SIGN LANGUAGE I SKILL BUILDING LAB

1 Unit
Total Course Lab Hours 54
Prerequisite: *Completion of or concurrent enrollment in DFST 101.*
This course is designed for students in ASL I wishing to become more proficient in using ASL and to further develop vocabulary, ASL grammar, finger-spelling, and basic conversational skills. This course is taught in ASL only. (CSU, AVC)

DFST 102 AMERICAN SIGN LANGUAGE II

4 Units
Total Course Lecture Hours 63
Total Course Lab Hours 27
Prerequisite: *Completion of DFST 101.*
As part of the American Sign Language (ASL) course sequence, ASL II is designed for students who wish to develop or enhance their proficiency in ASL usage. The course stresses development of basic conversational skills with emphasis on vocabulary and expressive skills. Deaf culture will be studied as it relates to the course. (UC, CSU, AVC)

DFST 102L AMERICAN SIGN LANGUAGE II SKILL BUILDING LAB

1 Unit
Total Course Lab Hours 54
Corequisite: *Completion of or concurrent enrollment in DFST 102.*
This course is designed for students in intermediate sign language (DFST 102) wishing to become increasingly more proficient in using ASL and to further develop their vocabulary, ASL grammar, and finger-spelling skills. This course is taught in ASL only. (CSU, AVC)

DFST 105 INTRODUCTION TO AMERICAN DEAF CULTURE

3 Units

Total Course Lecture Hours 54

Discussion of various aspects of the American Deaf Culture, including description of deafness, deaf people and the Deaf community as defined by audiology and/or cultural means, services for and by deaf people, and culture as reflected in the language of Deaf people. Deaf culture vs. "Hearing" culture is also analyzed and discussed. (UC, CSU, AVC)

DFST 106 INTRODUCTION TO DEAF EDUCATION

3 Units

Total Course Lecture Hours 54

This course will provide the student with a general orientation to the Deaf community. The course provides an overview of the historical, philosophical, psychological and social aspects of Deaf education. In addition, it provides orientation to problems, issues and research in the field of education for the Deaf. (UC, CSU, AVC)

DFST 108 VISUAL, GESTURAL & NON-MANUAL ASPECTS OF AMERICAN SIGN LANGUAGE

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of DFST 101.*

Examines the visual and gestural aspects of communication which form an integral base for communicating in American Sign Language. Non-manual features of ASL such as facial expression, mouthing, head and body movements will be identified and analyzed. This course will develop and enhance the student's non-verbal communication skills, as well as improve expressive and receptive skills related to ASL's non-manual features. (CSU, AVC)

DFST 110 POWER, PRIVILEGE, AND OPPRESSION

3 Units

Total Course Lecture Hours 54

In this course we will use a critical-intersectional approach to analyze concepts such as racism, sexism, ableism, audism, homophobia, transphobia, white supremacy, immigration, coloniality, anti-racism, liberation, resistance, and decolonization to better understand the diverse lived experiences of Deaf peoples. An intersectional approach considers how structural forms of domination influence minoritized and majoritized groups and the experiences of people located within those groups and their intersections. This course assists in the development of culturally competent learners, citizens, and practitioners in diverse settings. Students develop knowledge, skills, and dispositions necessary to recognize, call-out, and resist oppression and oppressive ideologies, to promote policies and practices that value difference, and to foster equity in their spheres of influence. (UC, CSU, AVC)

DFST 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

DFST 201 AMERICAN SIGN LANGUAGE III

4 Units

Total Course Lecture Hours 63

Total Course Lab Hours 27

Prerequisite: *Completion of DFST 102.*

This course is designed for students to acquire communicative competency in ASL. The course promotes the shifting from comprehension to production of ASL. With expanded vocabularies and grammatical patterns being exposed, the students continue to develop their ASL competencies in numerous conversational settings. The main emphasis is to bring the student's ASL fluency to a point of self-generated ASL for the purpose of furthering language use in ASL. Deaf culture will be studied as it relates to the course. (UC, CSU, AVC)

DFST 201L AMERICAN SIGN LANGUAGE III/IV SKILL BUILDING LAB

1 Unit

Total Course Lab Hours 54

Prerequisite: *Completion of or concurrent enrollment in DFST 201.*

Designed for students in advanced sign language courses (DFST 201 or DFST 202) wishing to become more proficient in using ASL and to further expand and develop their vocabulary, ASL grammar, and finger-spelling skills. This course is taught in ASL only. (CSU, AVC)

DFST 202 AMERICAN SIGN LANGUAGE IV

4 Units

Total Course Lecture Hours 63

Total Course Lab Hours 27

Prerequisite: *Completion of DFST 201.*

Advanced study of ASL grammar. Further development and refinement of ASL skills and fluency. Deaf culture will be studied as it relates to the course. (UC, CSU, AVC)

DFST 204 STRUCTURE OF AMERICAN SIGN LANGUAGE

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of DFST 102.*

This course will provide the student with the basic concepts of phonological, morphological, syntactic, semantic, and sociolinguistic structure of American Sign Language (ASL). Social issues as they pertain to ASL will also be explored. (UC, CSU, AVC)

DFST 205 NUMBERS FINGERSPELLING AND CLASSIFIERS

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of DFST 101.*

This course will focus on providing more advanced experiences and communication techniques with expressive and receptive fingerspelling, the use of classifiers, and the use of American Sign Language (ASL) number systems. Numbers will include, but are not limited to: cardinal, ordinal, informational numbers; numbers related to time, temporal aspect signs, measurements, sports and mathematical numbers. (UC, CSU, AVC)

DFST 206 CREATIVE SIGNING

2 Units

Total Course Lecture Hours 36

Prerequisite: *Completion of DFST 102 and completion of or concurrent enrollment in DFST 201.*

This course will provide the student with techniques of facial expression, characterization, body movement, and use of space as it relates to American Sign Language. Development of expressive sign language skills through the use of ASL Poetry, skits, ASL storytelling, and Deaf jokes. (UC, CSU, AVC)

Interpreter Training Courses

INT 101 PRINCIPLES OF SIGN LANGUAGE INTERPRETING

3 Units

Total Course Lecture Hours 54

An introduction to the profession of Sign Language Interpreting. Topics will include: the history and definitions of interpreting, modes and methods, the need for interpreters, the professional standards and Code of Professional Conduct, interpreter settings, evaluation (regional and national testing standards) and certification of interpreters, legal mandates (including the ADA-Americans with Disabilities Act), employment issues, and culture as it relates to interpreting. (CSU, AVC)

INT 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

INT 201 TRANSLATION

3 Units

Total Course Lecture Hours 36

Total Course Lab Hours 54

Advisory: *Completion of or concurrent enrollment in INT 101.*

Prerequisite: *Completion of or concurrent enrollment in DFST 201.*

Introduction to the practice of translation between ASL and English texts. Discourse and text analysis will be introduced and emphasized throughout the course. As the first step toward simultaneous interpreting, translation enables students to discover meaning and render a translation without the time constraints of real-time interpretation. Students will produce translations of texts while considering cultural contexts, audience, genre, intent, and meaning. (CSU, AVC)

INT 202 INTERPRETING I

3 Units

Total Course Lecture Hours 36

Total Course Lab Hours 54

Advisory: *Completion of or concurrent enrollment in INT 101, COMM C1000 (COMM 101), and THA 110.*

Prerequisite: *Completion of INT 201, and completion of or concurrent enrollment in DFST 202.*

Designed to build on skills acquired in INT 201 (Translation). Students will be introduced to consecutive interpreting and then will transition to the process of simultaneous Interpreting. Discourse/ text analysis, processing, and information management will be emphasized throughout the course. (CSU, AVC)

INT 203 INTERPRETING II

3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54
Advisory: *Completion of or concurrent enrollment in COMM C1000 (COMM 101) and THA 110.*
Prerequisite: *Completion of DFST 202 and INT 202.*
Designed to build on skills acquired in INT 202 (Interpreting I). Students will continue to develop their simultaneous interpretation skill with more complex source material and interactive settings. Students will also be introduced to transliteration which requires processing information and transmitting it into a second language with the goal of retaining form while still focusing on meaning and intent. Emphasis is on grammatical structure/discourse analysis, process time, vocal inflection, voice/sign clarity and monitoring. (CSU, AVC)

INT 204 SIGN/ENGLISH TRANSLITERATION

3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54
Advisory: *Completion of or concurrent enrollment in COMM C1000 (COMM 101) and THA 110.*
Prerequisite: *Completion of DFST 202 and INT 202.*
Introduction to transliteration theory and application. The student will develop the skills required to accurately interpret a spoken message into signed English and a signed English message into standard spoken English. The areas of concentration are non-manual signals, mouth movement, fingerspelling and monitoring for complete thoughts through the use of vocal and body inflection. (CSU, AVC)

INT 205 INTERPRETING IN SPECIALIZED SETTINGS

3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54
Advisory: *Completion of or concurrent enrollment in COMM C1000 (COMM 101) and THA 110.*
Prerequisite: *Completion of DFST 202 and INT 202.*
Introduction to interpreting in a variety of settings including community, medical, mental health, minimal language skills, performing arts, religious, telephone and television interpreting. Focus will be on environmental considerations, vocabulary development, resource building, general knowledge, ethics and situation considerations. (CSU, AVC)

INT 206 INTERPRETING III

4 Units
Total Course Lecture Hours 72
Prerequisite: *Completion of INT 203.*
This course continues development of students' interpreting skills through exercises that focus on memory, processing, discourse analysis and interpretation with an emphasis on interpreting sign to voice. Throughout the semester students are exposed to and practice interpreting texts from a variety of specialized settings. Information Management Techniques, Processing Techniques, and coping strategies will be emphasized. (CSU, AVC)

INT 210 ETHICS, DECISION-MAKING, & PROFESSIONALISM FOR INTERPRETERS

3 Units
Total Course Lecture Hours 54
Advisory: *INT 101.*
This course will provide an exploration of ethical theories and frameworks that interpreters may identify with when determining their own personal values and ethics. Students will learn to make decisions that also include an understanding of power-relationships between deaf and non-deaf persons, myriad cultural considerations, and equity issues that exist in interpreting settings. Real-world situations will be presented for students to analyze, determine the issues, make recommendations, and discuss the possible outcomes and consequences of the decisions. (CSU, AVC)

Department Description

Digital Media courses are directed toward career, technical, and artistic application of the acquired skills within each of the designated areas.

The Digital Media program is directed toward providing individual artistic development with an emphasis on the student's ability to use computer technology to create graphic and photographic images.

The Digital Media program develops competencies in graphic design, digital photographic imaging, video design and production, animation, digital printing, and interactive media. Successful completion of a certificate program provides students with entry-level skills for a wide variety of digital media industry employment.

***Note: All associate degrees require the completion of a minimum of 60 semester units.**

Program Learning Outcomes

Computer Animation Cert & AA

1. Create a body of work that demonstrates successful animations including image development, key framing, motion, scripting, and story boarding.

Graphic Design Cert & AA

1. Understand and apply proper industry standards to graphic design jobs.
2. Recognize and apply an understanding of current graphic design styles for a variety of target audiences.

Interactive Media—Web Design Cert & AA

1. Create interactive content according to industry standard procedures for operations on the web.
2. Complete content linking all products to consistent with industry standards.

Video Design and Production Cert & AA

1. Create interactive content according to industry standard procedures for operation on the web and other commercial media platforms.
2. Complete content linking all products to consistent with industry standards.

Certificate Programs

Computer Animation Cert

The Digital Media program develops competencies in 2D and 3D animation, graphic design, video design and production and interactive media. Successful completion of a certificate program provides students with entry-level skills for a wide variety of digital media industry employment.

Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
Computer Animation Cert (Total 30)
Complete all of the following **Units**

Required Courses (Total 21)
Complete all of the following

ART 110 - Drawing	3
DM 113 - Photoshop I	3
DM 143 - Computer 2-D Animation	3
DM 145 - Computer 3-D Animation	3
DM 205 - Digital Illustration	3
DM 246 - Portfolio and Job Search	3
DM 298 - Special Studies Digital Media	3

Program Electives (Total 9)
Complete the following number of units: 9

DM 101 - Digital Media Arts	3
DM 103 - Graphic Design I	3
DM 106 - Video Design & Production I	3
DM 110 - Motion Graphics	3
DM 112 - Experimental Video Production	3
DM 115 - Graphic Communications I	3
DM 127 - Web Design and Production I	3
DM 128 - Web Design and Production II	3
DM 206 - Video Design and Production II	3
DM 213 - Photoshop II	3
DM 199 - Work Experience Education	1-8

Recommended Pathway

First Semester	**Units**
ART 110 - Drawing	3
Program Electives (DM 101)	3
	Total 6
Second Semester	
DM 113 - Photoshop I	3
DM 205 - Digital Illustration	3
Program Electives (see list)	3
DM 143 - Computer 2-D Animation	3
	Total 12
Third Semester	
DM 246 - Portfolio and Job Search	3
Program Electives (see list)	3
DM 298 - Special Studies Digital Media	3
DM 145 - Computer 3-D Animation	3
	Total 12
	Certificate Total 30

Graphic Design Cert

The Digital Media program develops competencies in graphic design, digital photographic imaging, video design and production, 2d and 3D animation, and interactive media. Successful completion of a certificate program provides students with entry-level skills for a wide variety of digital media industry employment.

Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
Graphic Design Cert (Total 27)

Complete all of the following	**Units**
Program Courses (Total 18)	
Complete all of the following	
DM 103 - Graphic Design I	3
DM 113 - Photoshop I	3
DM 115 - Graphic Communications I	3
DM 203 - Graphic Design II	3
DM 205 - Digital Illustration	3
DM 246 - Portfolio and Job Search	3
Program Electives (Total 9)	
Complete the following number of units: 9	
DM 101 - Digital Media Arts	3
DM 106 - Video Design & Production I	3
DM 110 - Motion Graphics	3
DM 112 - Experimental Video Production	3
DM 127 - Web Design and Production I	3
DM 128 - Web Design and Production II	3
DM 143 - Computer 2-D Animation	3
DM 145 - Computer 3-D Animation	3
DM 199 - Work Experience Education	3
DM 206 - Video Design and Production II	3
DM 213 - Photoshop II	3
DM 215 - Graphic Communications II	3
DM 298 - Special Studies Digital Media	3

Recommended Pathway

Semester 1	**Units**
Program Electives (DM 101)	3
DM 113 - Photoshop I	3
	Total 6
Semester 2	
DM 115 - Graphic Communications I	3
DM 103 - Graphic Design I	3
DM 205 - Digital Illustration	3
	Total 9
Semester 3	
DM 203 - Graphic Design II	3
DM 246 - Portfolio and Job Search	3
Program Electives (see list)	3
Program Electives (see list)	3
	Total 12
	Certificate Total 27

Interactive Media-Web Design Cert

The Digital Media program develops competencies in graphic design, digital photographic imaging, video design and production, 2D and 3D animation and interactive media. Successful completion of a certificate program provides students with entry-level skills for a wide variety of digital media industry employment.

Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
Interact Media-Web Design Cert (Total 27)

Complete all of the following	**Units**
Required Courses (Total 21)	
Complete all of the following	
DM 101 - Digital Media Arts	3
DM 103 - Graphic Design I	3
DM 105 - Interactive Media	3
DM 113 - Photoshop I	3
DM 127 - Web Design and Production I	3
DM 128 - Web Design and Production II	3
DM 246 - Portfolio and Job Search	3
Program Electives (Total 6)	
Complete the following number of units: 6	
ART 100 - Art Appreciation	3
ART 145 - 2-D Design Basics	3
DM 106 - Video Design & Production I	3
DM 110 - Motion Graphics	3
DM 115 - Graphic Communications I	3
DM 199 - Work Experience Education	1-8
DM 213 - Photoshop II	3
DM 298 - Special Studies Digital Media	3
PHTC 125 - Beginning Digital Photography	3

Recommended Pathway

Semester 1	**Units**
DM 101 - Digital Media Arts	3
Program Electives (ART 100)	3
Program Electives (PHTC 125)	3
	Total 9
Semester 2	
DM 113 - Photoshop I	3
DM 103 - Graphic Design I	3
DM 127 - Web Design and Production I	3
	Total 9
Semester 3	
DM 105 - Interactive Media	3
DM 128 - Web Design and Production II	3
DM 246 - Portfolio and Job Search	3
	Total 9
	Certificate Total 27

Video Design and Production Cert

This program is to prepare students for the world of Digital Media with an emphasis on Video Production and design. Students will create interactive content according to industry standard procedures for operations on the web and will complete content linking all products to consistent with industry standards. Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the certificate. Students who successfully complete the certificate requirements may apply for entry-level positions in video production, video editing, digital content creation, multimedia production, and related digital media fields.

Program Requirements
Video Design & Production Cert (Total 27)
Complete all of the following **Units**

Required Courses (Total 24)
Complete all of the following

DM 101 - Digital Media Arts	3
DM 106 - Video Design & Production I	3
DM 110 - Motion Graphics	3
DM 112 - Experimental Video Production	3
DM 113 - Photoshop I	3
DM 206 - Video Design and Production II	3
DM 246 - Portfolio and Job Search	3
DM 298 - Special Studies Digital Media	3

Program Electives (Total 3)
Complete the following number of units: 3

ART 100 - Art Appreciation	3
ART 110 - Drawing	3
DM 105 - Interactive Media	3
DM 115 - Graphic Communications I	3
DM 127 - Web Design and Production I	3
DM 199 - Work Experience Education	1-8
FTV 101 - Introduction to Film	3
FTV 121 - Beginning Motion Picture Production	4
FTV 215 - Directing for Film and Video	3
FTV 230 - Digital Cinematography	4
PHTC 125 - Beginning Digital Photography	3
THA 101 - Introduction to Theatre	3
THA 220 - Fundamentals of Directing	3

Recommended Pathway

First Semester	**Units**
DM 101 - Digital Media Arts	3
Program Electives (ART 110)	3
	Total 6
Second Semester	
DM 106 - Video Design & Production I	3
DM 113 - Photoshop I	3
	Total 6
Term 3	
DM 110 - Motion Graphics	3
DM 112 - Experimental Video Production	3
DM 206 - Video Design and Production II	3
DM 246 - Portfolio and Job Search	3
DM 298 - Special Studies Digital Media	3
	Total 15
	Certificate Total 27

Associate Degree

Computer Animation AA

The Digital Media program develops competencies in graphic design, digital photographic imaging, video design and production, animation, digital printing, and interactive media. Successful completion of a certificate program provides students with entry-level skills for a wide variety of digital media industry employment.

Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
Computer Animation AA (Total 30)
Complete all of the following **Units**

Required Courses (Total 21)
Complete all of the following

ART 110 - Drawing	3
DM 113 - Photoshop I	3
DM 143 - Computer 2-D Animation	3
DM 145 - Computer 3-D Animation	3
DM 205 - Digital Illustration	3
DM 246 - Portfolio and Job Search	3
DM 298 - Special Studies Digital Media	3

Program Electives (Total 9)
Complete the following number of units: 9

DM 101 - Digital Media Arts	3
DM 103 - Graphic Design I	3
DM 106 - Video Design & Production I	3
DM 110 - Motion Graphics	3
DM 112 - Experimental Video Production	3
DM 115 - Graphic Communications I	3
DM 127 - Web Design and Production I	3
DM 128 - Web Design and Production II	3
DM 206 - Video Design and Production II	3
DM 213 - Photoshop II	3
DM 199 - Work Experience Education	1-8

Recommended Pathway

Semester 1	**Units**
ART 110 - Drawing	3
Program Electives (DM 101)	3
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 2 (MATH 110)	3
General Elective	2
	Total 15
Semester 2	
AVC GE Area 3	3
DM 113 - Photoshop I	3
DM 143 - Computer 2-D Animation	3
General Elective	3
AVC GE Area 4	3
	Total 15
Semester 3	
DM 205 - Digital Illustration	3
AVC GE Area 6	3
Program Electives (DM 213)	3
DM 145 - Computer 3-D Animation	3
AVC GE Area 1B	3
	Total 15
Semester 4	
Program Electives (DM 106)	3
AVC GE Area 5	3
DM 246 - Portfolio and Job Search	3
DM 298 - Special Studies Digital Media	3
General Elective	3
	Total 15
	Degree Total 60

Graphic Design AA

The requirements for an associate degree in Graphic Design may be satisfied by completing the certificate program, plus 21 units of general education requirements, and sufficient elective credits to total 60 units. (See Graduation/Associate Degree Requirements.).

Program Requirements
Graphic Design AA (Total 27)
Complete all of the following **Units**

Required Courses (Total 18)
Complete all of the following

DM 103 - Graphic Design I	3
DM 113 - Photoshop I	3
DM 115 - Graphic Communications I	3
DM 203 - Graphic Design II	3
DM 205 - Digital Illustration	3
DM 246 - Portfolio and Job Search	3

Program Electives (Total 9)
Complete the following number of units: 9

DM 101 - Digital Media Arts	3
DM 106 - Video Design & Production I	3
DM 110 - Motion Graphics	3
DM 112 - Experimental Video Production	3
DM 127 - Web Design and Production I	3
DM 128 - Web Design and Production II	3
DM 143 - Computer 2-D Animation	3
DM 145 - Computer 3-D Animation	3
DM 199 - Work Experience Education	3
DM 206 - Video Design and Production II	3
DM 213 - Photoshop II	3
DM 215 - Graphic Communications II	3
DM 298 - Special Studies Digital Media	3

Recommended Pathway

First Semester	**Units**
Program Electives (DM 101)	3
AVC GE Area 1A (ENGL C1000)	4
General Elective	2
AVC GE Area 2	3
AVC GE Area 3	3
Total	**15**
Second Semester	
AVC GE Area 1B	3
DM 103 - Graphic Design I	3
DM 113 - Photoshop I	3
AVC GE Area 4	3
General Elective	3
Total	**15**
Third Semester	
DM 203 - Graphic Design II	3
DM 115 - Graphic Communications I	3
Program Electives (see list)	3
AVC GE Area 6	3
General Elective	3
Total	**15**
Fourth Semester	
DM 205 - Digital Illustration	3
DM 246 - Portfolio and Job Search	3
Program Electives (see list)	3
AVC GE Area 5	3
General Elective	3
Total	**15**
Degree Total	**60**

Interactive Media—Web Design AA

The Digital Media program develops competencies in graphic design, digital photographic imaging, video design and production, 2d and 3D animation, and interactive media. Successful completion of a certificate program provides students with entry-level skills for a wide variety of digital media industry employment.
Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
Interactive Media-Web Design AA (Total 27)
Complete all of the following **Units**

Required Courses (Total 21)
Complete all of the following

DM 101 - Digital Media Arts	3
DM 103 - Graphic Design I	3
DM 105 - Interactive Media	3
DM 113 - Photoshop I	3
DM 127 - Web Design and Production I	3
DM 128 - Web Design and Production II	3
DM 246 - Portfolio and Job Search	3

Program Electives (Total 6)
Complete the following number of units: 6

ART 100 - Art Appreciation	3
ART 145 - 2-D Design Basics	3
DM 106 - Video Design & Production I	3
DM 110 - Motion Graphics	3
DM 115 - Graphic Communications I	3
DM 199 - Work Experience Education	1-8
DM 213 - Photoshop II	3
DM 298 - Special Studies Digital Media	3
PHTC 125 - Beginning Digital Photography	3

Recommended Pathway

Term 1	**Units**
DM 101 - Digital Media Arts	3
AVC GE Area 2	3
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 3 (any ART GE course)	3
General Elective	2
Total	**15**
Term 2	
DM 103 - Graphic Design I	3
DM 105 - Interactive Media	3
DM 113 - Photoshop I	3
General Elective	3
AVC GE Area 1B	3
Total	**15**

Term 3	
DM 127 - Web Design and Production I	3
Program Electives (DM 115)	3
AVC GE Area 5	3
AVC GE Area 6	3
General Elective	3
Total	**15**
Term 4	
DM 128 - Web Design and Production II	3
DM 246 - Portfolio and Job Search	3
Program Electives (see list)	3
AVC GE Area 4	3
General Elective	3
Total	**15**
Degree Total	**60**

Video Design and Production AA

This program is to prepare students for a career in digital media with an emphasis on video production and design. Students will create interactive content according to industry standard procedures for operations on the web and will complete content linking all products to consistent with industry standards. Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the certificate.

Program Requirements
Video Design and Production AA (Total 27)

Complete all of the following	**Units**
Required Courses (Total 24)	
Complete all of the following	
DM 101 - Digital Media Arts	3
DM 106 - Video Design & Production I	3
DM 110 - Motion Graphics	3
DM 112 - Experimental Video Production	3
DM 113 - Photoshop I	3
DM 206 - Video Design and Production II	3
DM 246 - Portfolio and Job Search	3
DM 298 - Special Studies Digital Media	3
Program Electives (Total 3)	
Complete the following number of units: 3	
ART 100 - Art Appreciation	3
ART 110 - Drawing	3
DM 105 - Interactive Media	3
DM 115 - Graphic Communications I	3
DM 127 - Web Design and Production I	3
DM 199 - Work Experience Education	1-8
FTV 101 - Introduction to Film	3
FTV 121 - Beginning Motion Picture Production	4
FTV 215 - Directing for Film and Video	3
FTV 230 - Digital Cinematography	4
PHTC 125 - Beginning Digital Photography	3
THA 101 - Introduction to Theatre	3
THA 220 - Fundamentals of Directing	3

Recommended Pathway	
First Semester	**Units**
DM 101 - Digital Media Arts	3
AVC GE Area 3	3
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 2	3
General Elective	2
Total	**15**
Second Semester	
DM 106 - Video Design and Production I	3
DM 113 - Photoshop I	3
Program Electives (DM 115)	3
AVC GE Area 4	3
General Elective	3
Total	**15**
Term 3	
DM 110 - Motion Graphics	3
DM 112 - Experimental Digital Video	3
AVC GE Area 6	3
AVC GE Area 1B	3
General Elective	3
Total	**15**
Term 4	
DM 206 - Video Design and Production II	3
DM 246 - Portfolio and Job Search	3
DM 298 - Special Studies in Digital Media	3
AVC GE Area 5	3
General Elective	3
Total	**15**
Degree Total	**60**

Digital Media Courses

DM 101 DIGITAL MEDIA ARTS

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81

This course is designed to provide students with an introductory overview of the professional digital media including print, illustration, typography, digital photography. Students will be introduced to industry standard computer hardware (Mac desktop computers) and software (Adobe Creative suite, Adobe photoshop. Illustrator, InDesign) and terminology, as well as operating systems, design principles, and career paths. Class will also implement training using industry standard Wacom digital pens and tablets. Note: Students may need to purchase a student Adobe creative suite software license if working from home. (CSU, AVC)

DM 103 GRAPHIC DESIGN I

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of DM 101.*
Students will learn to create visual designs for a variety of media such as television, web, design and print using industry standard software and hardware. Primary software is Adobe Photoshop and Adobe Illustrator for creating designs for projects such as brochures, ads, packaging, web pages, graphic designs and television graphics. Focus will be on developing entry-level skills for creating contemporary visual design solutions to typical industry projects. Note: Students may need to purchase a student Adobe creative suite software license if they plan to work from home. (CSU, AVC)

DM 105 INTERACTIVE MEDIA

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of DM 101.*
Introduction to design and production methods using industry software for interactive media such as Web authoring, kiosk and display media and mobile devices. This course covers how ideas are generated, storyboards are constructed, media requirements are identified, and interfaces are designed. Production and delivery methods are covered in the course. Note: Students may need to purchase a student Adobe creative suite software license if they are working from home. (CSU, AVC)

DM 106 VIDEO DESIGN & PRODUCTION I

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of DM 101.*
This course will focus on the fundamentals of video production and non-linear editing. The central emphasis of this class will be upon the foundational elements to create an industry standard video segment using digital cameras and digital editing software. Basic camera composition, audio editing and interview techniques will be folded into the curriculum. Students will create video segments which demonstrate a clear understanding of basic video production and post production. The course will also examine current trends in the television industry and online media platforms as well as program development and client/producer business relations along with questions of ethics and social responsibility. Note: Students may need to purchase a student Adobe creative suite software license. (CSU, AVC)

DM 110 MOTION GRAPHICS

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of DM 101 and DM 106.*
This course will focus on the creation of motion graphics and visual effects using still images, photography, animation, digital compositing, typography and sound and video. The course will cover specialized motion graphics computer software in Adobe Creative Suite to create innovative styles that will aesthetically enhance a digital media project. Television and movies special effects techniques are examined and discussed such as effects compositing, greenscreen compositing, effects and animation. Students will learn to output to QuickTime file format for integration into television, Web, physical media, and film projects. Note: Students may need to purchase a student Adobe creative suite software license. BEFORE ENROLLING, students should be familiar with the Macintosh operating system, the Macintosh computer, and related peripherals. (CSU, AVC)

DM 112 EXPERIMENTAL VIDEO PRODUCTION

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of DM 101 and DM 106.*
This course will introduce the student to digital techniques and methods of creating experimental video projects. Students will be instructed in non-traditional narrative and non-narrative project formats to engage his/her imagination and creativity. The central focus of the class is to explore a variety of digital video techniques used in the production of artistic imagery. Using Adobe creative suite software and digital cameras, students will be able to create abstract, experimental and non-traditional storytelling techniques to create exciting digital projects that push the boundaries of the medium. Note: Students may need to purchase a student Adobe creative suite software license. BEFORE ENROLLING, students should be familiar with the Macintosh operating system, the Macintosh computer, and related peripherals. (CSU, AVC)

DM 113 PHOTOSHOP I

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
This course gives students instruction and practice using Adobe Photoshop® to artistically enhance digitally captured images at an introductory level. At the completion of the course, students will have created a series of related works that demonstrate entry-level technical and creative skills in digital photographic imaging. Participation in critiques will provide the opportunity to refine and improve projects. Examples of topics to be covered include digital capture, color correction, scanning, retouching, masking, compositing, special effects, filters, typography, and file preparation for output to print, web, and video. Note: Students may need to purchase a student Adobe creative suite software license if working from home. Please note: Adobe software does not work with Chromebook laptops. (CSU, AVC)

DM 115 GRAPHIC COMMUNICATIONS I

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of DM 101.*
This advanced level course will cover graphic design topics in the context of wide-ranging visual and commercial communication theories that build upon skills learned in Graphic Communications I. Students will enhance their knowledge of the creative design process along with the communication of ideas by completing typical industry projects. Emphasis is on advanced software training and the integration of creative communications campaigns to prepare students for entry to the professional graphic communications industry. This course is designed for those who want advanced knowledge of graphic design as applied to the communications industry. Note: Students may need to purchase a student Adobe creative suite software license if working from home. (CSU, AVC)

DM 127 WEB DESIGN AND PRODUCTION I

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Completion of DM 101.*
This course is designed to provide students with an introductory overview of web page development. Focus will be placed on the needed skills to develop and deliver information on the web. A central focus will be placed upon understanding basic HTML and CSS. Introduces Adobe Dreamweaver to develop and publish websites, emphasizing a critical-thinking approach and accepted standards of web page design. Students will be introduced to several related tools and concepts to accomplish this task including flow charts, image optimization, code editors, audio, video, and basic animation. Note: Students may need to purchase a student Adobe creative suite software license. (CSU, AVC)

DM 128 WEB DESIGN AND PRODUCTION II

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Completion of DM 101 and DM 127.*
Introduction to advanced website design. A central focus will be on the advanced components required to develop interactive Web sites, using a variety of technologies including HTML, CSS, and JavaScript. Also, an introduction to WordPress website creation. Other areas covered within this course include implementation of audio, video, and animation content for the web. Emphasis is on developing design techniques using modern layout tools such as wireframe/layout software, code editors, CSS Grid and Flexbox. Concepts related to UX, UI, large scale development, site promotion, hosting and e-commerce may also be covered. Students may have to purchase additional supplies not provided by the college. Note: Students may need to purchase a student Adobe creative suite software license if working from home. Please note Chromebooks will not run Adobe software. (CSU, AVC)

DM 143 COMPUTER 2-D ANIMATION

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of DM 101.*
This course provides the student with a basic overview and development of computer techniques required for production of 2-dimensional animation in various mediums and formats. Students will begin by learning basic animation disciplines such as timing, spacing, keyframes, emotion, weight, and mood to communicate story or message using industry standard software in the Adobe Creative suite as well as animating and compositing in 2D space. Class will also implement training using industry standard Wacom digital pens and tablets. Note: Students may need to purchase a student Adobe creative suite software license if working from home. Please note: Chromebooks cannot run Adobe software. (CSU, AVC)

DM 145 COMPUTER 3-D ANIMATION

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of DM 101 and DM 143.*
This course provides the student with an overview and development of computer techniques required for the production of 3-D animation using media industry standard technology and software. Topics covered are frame rate, concepts, timing, deformers, keyframes, curve editing, rigging, character walk cycles and facial animation. Software platforms used in course includes industry standard programs such as MAYA and BLENDER. Note: Students may need to purchase a student Adobe creative suite software license if working from home. Please note Chromebooks will not run Maya, Blender or Adobe software. (CSU, AVC)

DM 199 WORK EXPERIENCE EDUCATION

1–8 Units
Total Course Lab Hours 54–432
LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*
Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

DM 203 GRAPHIC DESIGN II

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of DM 103.*
This course provides advanced instruction in graphic design and production for the digital media arts industry. Students will learn to create visual design solutions for a variety of media such as television, Web, and print using industry standard software and hardware at an advanced level for creation of design projects such as brochures, ads, packaging, Web pages, and television graphics. Focus will be on developing portfolio- quality contemporary visual design solutions to typical industry projects. Note: Students may need to purchase a student Adobe creative suite software license. (CSU, AVC)

DM 205 DIGITAL ILLUSTRATION

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Completion of DM 113.*
Prerequisite: *Completion of DM 101.*
This course is an introduction to the basic principles and practices of digital fine arts and commercial illustration exploring the computer as the medium. Students are exposed to the skills needed to produce assignments with a focus on current industry standards using Adobe creative suite software. Projects incorporate creativity and conceptual problem solving in illustration as a means of communicating ideas. Traditional illustration skills and theories are presented as they relate to digital media with an emphasis on composition, line, perspective, tonality, color, expression, storytelling, typography, and design. Note: Students may need to purchase a student Adobe creative suite software license if learning from home. Please note: Chromebooks will not run Adobe software. (CSU, AVC)

DM 206 VIDEO DESIGN AND PRODUCTION II

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of DM 106.*
This course will enhance the skills of advanced video students. Using non-linear editing software, students will learn to create graphics and effects as well as music /sound effects tracks to develop 30-second commercials and short form videos. The curriculum is developed to augment the advanced student's knowledge of special effect editing and post production techniques. An emphasis will be placed on the art of camera composition and the subtleties of editing design. Students will conceptualize through storyboards and paper edits using logs to organize and track video content. This course will also provide an introduction to studio production, including set design, lighting, sound mixing, camera operation, floor directing and technical directing. Students may have to purchase additional supplies not provided by the college. Note: Students may need to purchase a student Adobe creative suite software license if learning from home. Please note Chromebooks will not run Adobe software. (CSU, AVC)

DM 213 PHOTOSHOP II

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Completion of DM 101.*
Prerequisite: *Completion of DM 113.*
This course provides advanced instruction in photographic digital imaging using Adobe Photoshop to artistically enhance digitally captured images. At the completion of the course, students will have created a series of works that demonstrate advanced- level technical and creative skills in digital photographic imaging. Participation in critiques will provide the opportunity to refine and improve projects. Examples of the topics to be covered include advanced-level digital design, color correction, retouching, masking, compositing, special effects, filters, typography, channels, and file preparation for output to print, web, and video. Note: Students may need to purchase a student Adobe creative suite software license if learning from home. Please note: Chromebooks cannot run Adobe software. (CSU, AVC)

DM 215 GRAPHIC COMMUNICATIONS II

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of DM 115.*
This advanced level course will cover graphic design topics in the context of wide-ranging visual and commercial communication theories that build upon skills learned in Graphic Communications I. Students will enhance their knowledge of the creative design process along with the communication of ideas by completing typical industry projects. Emphasis is on advanced software training and the integration of creative communications campaigns to prepare students for entry to the professional graphic communications industry. This course is designed for those who want advanced knowledge of graphic design as applied to the communications industry. Note: Students may need to purchase a student Adobe creative suite software license if working from home. Please note: Chromebooks do not run Adobe software. (CSU, AVC)

DM 246 PORTFOLIO AND JOB SEARCH

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Completion of DM 101, DM 103, and DM 127.*
Prerequisite: *Completion of DM 113.*
This course provides students with the necessary skills associated with portfolio development, self-promotion, interview techniques, and job search in digital media arts. This is a portfolio-level course that students should take after completion of the DM 100 courses and/or in their last semester. The course provides students with the necessary skills associated with portfolio development, self-promotion, interview techniques, and job search in digital media arts. Students create new works to showcase their abilities to prospective employers. Self-promotional pieces such as direct mail, web content and Web site designs may be developed. Note: Students will need to purchase a Student Adobe Creative Suite Software License and are required to have a working knowledge of the Adobe software. (CSU, AVC)

DM 298 SPECIAL STUDIES DIGITAL MEDIA

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *DM 103, DM 113, and DM 127.*
Prerequisite: *Completion of DM 101.*
This course provides the student with the ability to conduct advanced individual study in the field of digital media under instructor guidance. This course provides the student with the ability to conduct advanced individual study in the field of digital media. Work during this course will provide the student with the opportunity to refine skills that can be demonstrated in portfolio-level quality final projects that will serve as part of the degree/certificate program. Note: Students will need to purchase a Student Adobe Creative Suite Software License and are required to have a working knowledge of the Adobe software. Please note: Chromebooks do NOT run Adobe software. (CSU, AVC)

Department Description

Earth Science is the study of the Earth's atmosphere, lithosphere, hydrosphere, and biosphere together with its place in the solar system and the universe. The Earth Science course will present an overview of the general principles of geology, astronomy, meteorology, and oceanography. Traditional teaching may be supplemented with computer and Internet-based activities. Laboratory activities will provide "hands-on" experiences and discovery into the natural, physical, and chemical characteristics of the earth and our universe.

Associate Degree/Certificate

No degrees or certificates are currently offered.

Earth Science Courses

ERSC 101 INTRODUCTION TO EARTH SCIENCE

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Prerequisite: *Completion of Intermediate Algebra or higher or placement by multiple measures.*

An introduction to the essentials of Earth Science with a laboratory. Topics include the geosphere, atmosphere, hydrosphere, and solar system. This course focuses on the interactions between physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle, weather and climate. (C-ID: GEOL 121) (UC, CSU, AVC)

Department Description

Economics is concerned with the study of how people make choices when they face scarcity and the consequences of these choices for society. The Economics Program offers an AA-T degree in Economics that provides both a general academic experience and professional preparation. The AA-T degree is designed to facilitate student matriculation to four-year colleges and provides an understanding of the economic world we live in. The program emphasizes economic analysis, institutions, and policies in regional, national, and international settings. Classes draw connections between economic principles and current issues and events.

Program Learning Outcomes

Economics AA-T

1. Students will be able to comprehend the key components of the discipline by being able to describe, analyze, and evaluate the various components of an economy and the main tenets of economic theory using the language and vocabulary of the discipline of economics.
2. Students will be able to demonstrate their ability to apply economic analysis and the conceptual framework of economics to help in the understanding, discussion and exploration of everyday problems in real-world situations.
3. Students will be able to communicate effectively in written, oral, and graphical form about specific issues related to the major concepts and theories of the discipline of economics.
4. Students will be able to identify career options that utilize the knowledge and skill sets of the discipline of economics.

Certificate Program

Certificate not applicable.

Associate Degree

Economics AA-T

The Associate in Arts in Economics for Transfer (AA-T in Economics) degree program has been developed to provide the student with a fundamental understanding of the field of Economics, which emphasizes economic analysis, institutions and policies in American, regional, and urban settings. Economics is concerned with the study of how people and societies produce various commodities and distribute them for consumption, now or in the future, among various persons and groups in society.

The Associate in Arts in Economics for Transfer (AA-T in Economics) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses but do not exclude admittance to other colleges or universities.

To earn an Associate in Arts in Economics for Transfer (AA-T in Economics) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Competition of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Economics AA-T (Total 20 - 23)

Complete all of the following	**Units**
Required Core (Total 14 - 15)	
Complete the following number of units: 14-15	
Choose One (Total 3)	
Complete the following number of units: 3	
ECON C2002 - Principles of Macroeconomics	3
ECON C2002H - Principles of Macroeconomics - Honors	3
Choose One (Total 3)	
Complete the following number of units: 3	
ECON C2001 - Principles of Microeconomics	3
ECON C2001H - Principles of Microeconomics - Honors	3
Choose One (Total 4)	
Complete the following number of units: 4	
STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4
MATH 116 - Introduction to Statistics Using R	4
Choose One (Total 4 - 5)	
Complete the following number of units: 4-5	
MATH 148 - Calculus for Business and Economics	4
MATH 150 - Calculus and Analytic Geometry	5
MATH 150H - Calculus & Analytic Geometry Honors	5
List A (Total 3-4)	
Complete the following number of units: 3-4	
ACCT 201 - Financial Accounting	4
ACCT 205 - Managerial Accounting	4
BUS 113 - Business Communications	3
BUS 201 - Business Law	3
BUS 201H - Business Law Honors	3
CA 221 - Computer Concepts & Applications in Business	4
MATH 124 - Finite Math	4
MATH 160 - Calculus and Analytic Geometry	4
List B or any List A course not already used (Total 3-4)	
Complete the following number of units: 3-4	
ECON 100 - Survey of Economics	3
ECON 110 - Economics of the Underclass	3
MATH 220 - Linear Algebra	4
MATH 250 - Calculus and Analytic Geometry	4
POLS C1000 - American Government and Politics	3
POLS C1000H - American Government and Politics - Honors	3
PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3
SOCI C1000 - Introduction to Sociology	3
SOCI C1000H - Introduction to Sociology - Honors	3

Recommended Pathway

Term 1	**Units**
List B (ECON 100)	3
List A (MATH 124)	4
AVC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 3A	3
General Elective	1
	Total 15

Term 2

ECON C2001 - Principles of Microeconomics	3
AVC GE Area 2 (STAT C1000)	4
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 1B	3
General Elective	2
Total	**15**

Term 3

AVC GE Area 4 (ECON C2002)	3
MATH 148 - Calculus for Business and Economics	4
Cal-GETC GE Area 5A	3
Cal-GETC GE Area 4	3
General Elective	2
Total	**15**

Term 4

Cal-GETC GE Area 5B	3
Cal-GETC GE Area 5C	1
Cal-GETC GE Area 6	3
Cal-GETC GE Area 3B	3
General Elective	3
General Elective	2
Total	**15**
Degree Total	**60**

Economics Courses

ECON 100 SURVEY OF ECONOMICS

3 Units

Total Course Lecture Hours 54

A general education course surveying the American economy from both microeconomic and macroeconomic perspectives. The course is not intended for business or economics majors. Topics include business cycles; unemployment; inflation; international trade; income distribution; market structure and performance; and the economic behavior of firms, households, and government. (UC, CSU, AVC)

ECON 110 ECONOMICS OF THE UNDERCLASS

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 or C1000H or placement by multiple measures.*

Investigation of the economic inequalities as they presently exist in America and their ramifications for the permanent underclass in our society. Course focuses primarily on women, Blacks, Chicanos, and deals specifically with the economic impact of poverty, unemployment, and discrimination on these groups. (UC, CSU, AVC)

ECON C2001 PRINCIPLES OF MICROECONOMICS

3 Units

Total Course Lecture Hours 54

Prerequisite: *Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.*

An introductory course using microeconomic models to understand individual decisions by consumers and firms, market outcomes including market failure, elasticity, market structures, labor markets, inequality, and the impact of government policies. Formerly ECON 102 (C-ID: ECON 201) (UC, CSU, AVC)

ECON C2001H PRINCIPLES OF MICROECONOMICS - HONORS

3 Units

Total Course Lecture Hours 54

Prerequisite: *Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.*

An introductory course using microeconomic models to understand individual decisions by consumers and firms, market outcomes including market failure, elasticity, market structures, labor markets, inequality, and the impact of government policies. This is an honors course. The honors course provides more content and requires greater intensity and depth of study than the non-honors course. Honors students complete advanced analysis of scholarly or professional economic literature, quantitative interpretation of economic evidence, and an independent microeconomic research or policy paper/project. Note: Students may either take ECON C2001 Principles of Microeconomics or ECON C2001H Principles of Microeconomics Honors. Duplicate credit will not be awarded. Formerly ECON 102H (C-ID: ECON 201) (UC, CSU, AVC)

ECON C2002 PRINCIPLES OF MACROECONOMICS

3 Units

Total Course Lecture Hours 54

Prerequisite: *Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.*

An introductory course using models of the domestic and international economy to understand national income, unemployment, inflation, economic growth, inequality, the financial system, and monetary, fiscal, and other economic policies. Formerly ECON 101 (C-ID: ECON 202) (UC, CSU, AVC)

ECON C2002H PRINCIPLES OF MACROECONOMICS - HONORS

3 Units

Total Course Lecture Hours 54

Prerequisite: *Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.*

An introductory course using models of the domestic and international economy to understand national income, unemployment, inflation, economic growth, inequality, the financial system, and monetary, fiscal, and other economic policies. This is an honors course. The honors course provides more content and requires greater intensity and depth of study than the non-honors course. Honors students complete advanced analysis of scholarly or professional macroeconomic literature, interpretation of domestic and international macroeconomic data, and an independent macroeconomic research or policy paper/project. Note: Students may either take ECON C2002 Principles of Macroeconomics or ECON C2002H Principles of Macroeconomics Honors. Duplicate credit will not be awarded. Formerly ECON 101H (C-ID: ECON 202) (UC, CSU, AVC)

Department Description

This program provides an introduction to teaching and prepares the student to function in a paraprofessional teaching capacity. The instructional aide program provides the student with the skills, knowledge, and understanding that are needed to become a para-professional teacher's aide. Students earn work experience credit in the instructional aide program through work experience in the public school setting. ED 140 provides valuable information to students seeking a career in teaching. ED 141 and ED 145 provide an introductory background to disability groups and equip students with knowledge and skills in working with the learning disabled.

Program Learning Outcomes

Elementary Teacher Education: Integrated Programs AA-T

1. Students will list and identify the qualifications for teacher certification.
2. Students will describe the characteristics of highly qualified teachers.
3. Students will list and describe various assessment tools used in the elementary school classroom.
4. Students will be able to interpret, analyze, and apply the sociological and psychological foundations of education.

Instructional Aide Cert & AA

1. Students will differentiate the multiple influences on the historical and philosophical development of regular and special education at the state and federal levels.
2. Students will describe, identify, and evaluate education theory, practice, and licensure necessary for employment in education.
3. Students will analyze and assess education programs, curricula, laws governance and funding associated with careers in education and in meeting the learning needs for all students (regular and special education) in a public school setting.
4. Students will compare and contrast the defining characteristics, educational and social implications as well as the effects of exceptionalities (within special education) on children and their families by conducting research in a minimum of five (5) areas.
5. Students will discuss and analyze the educator's role in meeting the educational, ethical and legal responsibilities needs of learning disabled students in a public or private education setting.
6. Students will discuss and analyze the educator's role in meeting the social and emotional needs of learning disabled students in public or private educational settings.

Certificate Program

Instructional Aide Cert

The instructional aide program, 1) provides the student with the skills, knowledge, and understanding that is needed to become a successful para-professional teacher's aide, and 2) assists the continual vocational development of teacher aides by providing for the updating of skills needed in today's school environment. Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
Instructional Aide Cert (Total 24 - 29)
Complete all of the following **Units**

Required Courses (Total 21)
Complete the following number of units: 21
Required Courses (Total 15)
Complete all of the following

CA 103 - Introduction to Computer and Digital Technology	3
CFE 102 - The Developing Child-Child Growth and Development	3
ED 140 - Introduction to Education	3
ED 141 - Introduction to Special Education	3
ED 145 - Understanding and Educating the Learning Disabled	3

Required Course: Choose One (Total 3)
Complete the following number of units:3

PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3

Required Course: Choose one of the following (Total 3)
Complete the following number of units:3

CFE 103 - The Child in Family and Community Relationship	3
PSY 235 - Child Psychology	3

Program Electives: 3-8 units of CFE Classes or (Total 3 - 8)
Complete the following number of units: 3-8
Program Elective - Choose up to one (Total 0 - 8)
Complete the following number of units: 0-8

CFE 101 - Principles and Practices of Teaching Young Children	3
CFE 103 - The Child in Family and Community Relationship	3
CFE 105 - Introduction to Curriculum-Discovery Based Education for Children	3
CFE 106 - Creative Experiences for Children	3
CFE 115 - Guiding Children's Behavior	3
CFE 116 - Diversity in Early Childhood Education	3
CFE 202 - Child Development Practicum-Emergent Leadership	3
CFE 211 - Health, Safety, and Nutrition for the Young Child	3
DFST 101 - American Sign Language I	4
DFST 102 - American Sign Language II	4
ED 199 - Work Experience Education	1-8
SPAN 101 - Elementary Spanish 1	5
SPAN 102 - Elementary Spanish 2	5

Program Elective - Choose up to one (Total 0 - 4)
Complete the following number of units: 0-4

ENGL C1000 - Academic Reading and Writing	4
ENGL C1000H - Academic Reading and Writing - Honors	4

Recommended Pathway

Term 1	**Units**
Program Elective (ENGL C1000)	4
ED 140 - Introduction to Education	3
CFE 102 - The Developing Child-Child Growth and Development	3
	Total 10

Term 2	
CA 103 - Introduction to Computer and Digital Technology	3
PSYC C1000 - Introduction to Psychology	3
CFE 103 - The Child in Family and Community Relationship	3
	Total 9

Term 3

ED 141 - Introduction to Special Education	3
ED 145 - Understanding and Educating the Learning Disabled	3
Total	**6**
Certificate Total	**25**

Associate Degree

Instructional Aide AA

The instructional aide program, 1) provides the student with the skills, knowledge, and understanding that is needed to become a successful para-professional teacher's aide, and 2) assists the continual vocational development of teacher aides by providing for the updating of skills needed in today's school environment. Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
Instructional Aide AA (Total 24 - 29)
Complete all of the following

	Units
Required Courses (Total 21)	
Complete the following number of units: 21	
Required Courses (Total 15)	
Complete all of the following	
CA 103 - Introduction to Computers and Digital Technology	3
CFE 102 - The Developing Child-Child Growth and Development	3
ED 140 - Introduction to Education	3
ED 141 - Introduction to Special Education	3
ED 145 - Understanding and Educating the Learning Disabled	3
Required Course - Choose One (Total 3)	
Complete the following number of units: 3	
PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3
Required Course - Choose One (Total 3)	
Complete the following number of units: 3	
CFE 103 - The Child in Family and Community Relationship	3
PSY 235 - Child Psychology	3
Program Electives : 3-8 units of CFE Classes or (Total 3 - 8)	
Complete the following number of units: 3-8	
Program Elective - Choose up to one (Total 0 - 8)	
Complete the following number of units: 0-8	
CFE 101 - Principles and Practices of Teaching Young Children	3
CFE 103 - The Child in Family and Community Relationship	3
CFE 105 - Discovery-Based Ed for Childre	3
CFE 106 - Creative Experiences for Children	3
CFE 115 - Guiding Children's Behavior	3
CFE 116 - Diversity in Early Childhood Education	3
CFE 202 - Child Development Practicum-Emergent Leadership	3
CFE 211 - Health, Safety, and Nutrition for the Young Child	3
DFST 101 - American Sign Language I	4
DFST 102 - American Sign Language II	4
ED 199 - Work Experience Education	8
SPAN 101 - Elementary Spanish 1	5
SPAN 102 - Elementary Spanish 2	5
Program Elective - Choose up to one (Total 0 - 4)	
Complete the following number of units: 0-4	
ENGL C1000 - Academic Reading and Writing	4
ENGL C1000H - Academic Reading and Writing - Honors	4

Recommended Pathway

Term 1	**Units**
CA 103 - Introduction to Computer and Digital Technology	3
ED 140 - Introduction to Education	3
AVC GE Area 1A (ENGL C1000)	4
General Elective	2
CFE 102 - The Developing Child-Child Growth and Development	3
Total	**15**
Term 2	
ED 141 - Introduction to Special Education	3
PSYC C1000 - Introduction to Psychology	3
CFE 103 - The Child in Family and Community Relationship	3
AVC GE Area 2	3
AVC GE Area 1B	3
Total	**15**
Term 3	
ED 145 - Understanding and Educating the Learning Disabled	3
AVC GE Area 4	3
Program Electives (CFE 101 ***OR*** CFE 106 ***OR*** CFE 115 ***OR*** CFE 116)	3
AVC GE Area 3	3
General Elective	3
Total	**15**
Term 4	
AVC GE Area 5	3
AVC GE Area 6	3
General Elective	3
General Elective	3
General Elective	3
Total	**15**
Degree Total	**60**

Elementary Teacher Education: Integrated Programs AA-T

The Associate in Arts in Elementary Teacher Education: Integrated Programs for Transfer (AA-T) Degree is intended to meet the lower division requirements for Elementary Teacher Education majors (or similar majors) at a CSU campus that offers baccalaureate degrees.

This degree is designed for students interested in an introduction to the field of Liberal Studies, Integrated Teacher's Education and for students looking to further their understanding of Elementary Teacher Education. These courses will provide students with a solid foundation in Elementary Teacher Education that will serve them for transferring to a University.

The Associate in Arts in Elementary Teacher Education: Integrated Programs for Transfer (AA-T in Elementary Teacher Education: Integrated Programs) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses but do not exclude admittance to other colleges or universities. To earn an Associate in Arts in Elementary Teacher Education: Integrated Programs for Transfer (AA-T in Elementary Teacher Education: Integrated Programs) degree, a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Competition of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Elementary Teacher Education: Integrated Programs
AA-T (Total 36)

Complete all of the following	**Units**
Core Courses (Total 10)	
Complete all of the following	
BIOL C1001 - Introduction to Biology	3
BIOL C1001L - Introduction to Biology Lab	1
CFE 102 - The Developing Child-Child Growth and Development	3
ED 140 - Introduction to Education	3
COMM Honors Option (Total 3)	
Complete the following number of units: 3	
COMM C1000 - Introduction to Public Speaking	3
COMM C1000H - Introduction to Public Speaking - Honors	3
ENGL Honors Option (Total 4)	
ENGL C1000 - Academic Reading and Writing	4
ENGL C1000H - Academic Reading and Writing - Honors	4
HIST Honors Option (Total 3)	
Complete the following number of units: 3	
HIST C1001 - United States History to 1877	3
HIST C1001H - United States History to 1877 - Honors	3
POLS Honors Option (Total 3)	
Complete the following number of units: 3	
POLS C1000 - American Government and Politics	3
POLS C1000H - American Government and Politics - Honors	3
Required Course - Choose one (Total 3)	
Complete the following number of units: 3	
ENGL C1002 - Introduction to Literature	3
ENGL C1002H - Introduction to Literature - Honors	3
HIST 104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3
List A: Choose One (Total 4)	
Complete the following number of units: 4	
ERSC 101 - Introduction to Earth Science	4
List B: Choose One (Total 3)	
Complete the following number of units: 3	
ART 100 - Art Appreciation	3
MUS 101 - Music Appreciation	3
MUS 101H - Music Appreciation Honors	3
THA 101 - Introduction to Theatre	3
THA 101H - Introduction to Theatre Honors	3
List C: Up to 12 additional units (Total 3)	
Complete the following number of units: 3	
MATH 120 - Math for Teachers	3

Recommended Pathway

Term 1	**Units**
ED 140 - Introduction to Education	3
List C (MATH 120)	3
ENGL Honors Option (ENGL C1000)	4
CFE 102 - The Developing Child-Child Growth and Development	3
General Elective	2
	Total 15
Term 2	
BIOL C1001 - Introduction to Biology	3
BIOL C1001L - Introduction to Biology Lab	1
COMM Honors Option (COMM C1000 ***OR*** COMM C1000H)	3
List B (THA 101)	3
General Elective	3
General Elective	3
	Total 16
Term 3	
POLS Honors Option (POLS C1000 ***OR*** POLS C1000H)	3
HIST Honors Option (HIST C1001 ***OR*** HIST C1001H)	3
List A (ERSC 101)	4
General Elective	3
General Elective	3
	Total 16
Term 4	
AVC GE Area 3B (COMM 114)	3
AVC GE Area 2 (STAT C1000)	4
Cal-GETC GE Area 6	3
Required Course (ENGL C1002)	3
	Total 13
	Degree Total 60

Education Courses

ED 140 INTRODUCTION TO EDUCATION

3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54

This course is designed to introduce students to the profession of teaching through lecture and observation of K-12 private & public schools. The major aspects of the teaching profession and the diversity of the public school system are examined and discussed, and students gain experience in all three levels of the K-12 system. This course is intended for students considering a career in teaching; 45 hours of structured fieldwork is required. A current TB clearance might be required for field experiences. (UC, CSU, AVC)

ED 141 INTRODUCTION TO SPECIAL EDUCATION

3 Units
Total Course Lecture Hours 54

This course is designed for prospective special education teachers and paraeducators, parents, volunteers and workers interested in gaining basic information about the major disability groupings (i.e. Intellectual disability, visual impairment, communication disorders, etc.) in relationship to special education. The course will cover the history of the disabled, theories, and current trends and techniques used in educating and working with the disabled. (CSU, AVC)

ED 145 UNDERSTANDING AND EDUCATING THE LEARNING DISABLED

3 Units

Total Course Lecture Hours 54

This course is designed for prospective special education and inclusion teachers, instructional aides, community volunteers and workers, or anyone interested in gaining a better understanding on educating the learning and intellectually disabled and behavior management. The course will range from an understanding of the educator's role in meeting educational, ethical, and legal responsibilities to current theories and practices to adapt instruction and classroom environment to the specific needs of "learning disabled" and "intellectually disabled" students. (CSU, AVC)

ED 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have the approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

The Education Work Experience Education is supervised employment designed to provide students with a realistic learning experience through work in the educational environment. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as classroom support staff and other roles in the education field. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the education field. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

Department Description

The Electrical Technology Program is approved by the State of California's Electrical Certificate Curriculum Committee. This program is intended to provide hands-on experience, skills, and knowledge necessary to install, maintain and troubleshoot a variety of electrical systems in residential, commercial, and industrial electrical settings in compliance with National Electric Code. Upon enrollment in the courses, students will be able to apply for their State Electrical Trainee number. Upon completion of the certificate, students will be eligible to take the California State Electrical Journeyman's exam. All courses offered in this program satisfy the recertification educational hours for journeyman electricians.

Program Learning Outcomes

Electrical Technology Cert & AS

1. Calculate values for voltage, current, resistance, and power, and contrast these values with measured values to determine the proper operation of a variety of electrical circuits.
2. Analyze, evaluate, troubleshoot, and repair residential, commercial and industrial electrical systems to meet industry standards and the National Electric Code.
3. Read and interpret blueprints, architectural drawings and schematics to install, maintain and repair electrical systems.
4. Evaluate the operation of various motor control systems, including programmable control systems, and modify or repair as necessary.

Certificate Program

Electrical Technology Cert

This program will help students gain the skills and knowledge necessary to install, maintain and troubleshoot a variety of electrical systems. These include residential wiring, commercial/industrial wiring and cabling, National Electric Code, troubleshooting and maintenance, motor controls and programmable logic controls. The program gives students theory and "hands-on" practical experience related to all aspects of this occupation. Successful students will gain experience in basic electricity, proper use of tools and test equipment, residential and commercial installations, the National Electric Code and electrical maintenance and repair.

Program Requirements
Electrical Technology Cert (Total 34)

Complete all of the following	Units
ELEC 110 - Fundamentals of Electricity	4
ELEC 115 - Electrical Codes and Ordinances	4
ELEC 120 - Residential Wiring	4
ELEC 130 - Alternating Current Theory	3
ELEC 140 - Commercial & Industrial Wiring & Cabling	4
ELEC 150 - Electrical Maintenance	4
ELEC 160 - Fundamentals of Motor Control	4
ELEC 220 - Advanced Motor Control-PLC	4
ELEC 250 - Electricians Journeyman Review	3

Recommended Pathway

Term 1	Units
ELEC 110 - Fundamentals of Electricity	4
ELEC 115 - Electrical Codes and Ordinances	4
ELEC 120 - Residential Wiring	4
Total	**12**

Term 2

ELEC 130 - Alternating Current Theory	3
ELEC 140 - Commercial & Industrial Wiring & Cabling	4
ELEC 160 - Fundamentals of Motor Control	4
Total	**11**

Term 3

ELEC 150 - Electrical Maintenance	4
ELEC 220 - Advanced motor Control-PLC	4
ELEC 250 - Electricians Journeyman Review	3
Total	**11**
Certificate Total	**34**

Associate Degree

Electrical Technology AS

Students who complete the associate degree have enhanced employability in the field as an Electrician. They have better chances for promotional opportunities into supervisory and management positions as they gain experience. The associate degree will also provide students with a broad range of knowledge with which to appreciate the environment, the culture, and the society in which they live. With the associate degree the student will have the ability to think and communicate clearly and effectively.

Program Requirements
Electrical Technology AS (Total 34)

Complete all of the following	Units
ELEC 110 - Fundamentals of Electricity	4
ELEC 115 - Electrical Codes and Ordinances	4
ELEC 120 - Residential Wiring	4
ELEC 130 - Alternating Current Theory	3
ELEC 140 - Commercial & Industrial Wiring & Cabling	4
ELEC 150 - Electrical Maintenance	4
ELEC 160 - Fundamentals of Motor Control	4
ELEC 220 - Advanced Motor Control	4
ELEC 250 - Electricians Journeyman Review	3

Recommended Pathway

Term 1	Units
ELEC 110 - Fundamentals of Electricity	4
ELEC 115 - Electrical Codes and Ordinances	4
ELEC 120 - Residential Wiring	4
AVC GE Area 1A (ENGL C1000)	4
Total	**16**

Term 2

ELEC 130 - Alternating Current Theory	3
ELEC 140 - Commercial & Industrial Wiring & Cabling	4
ELEC 160 - Fundamentals of Motor Control	4
AVC GE Area 5	3
Total	**14**

Term 3

ELEC 150 - Electrical Maintenance	4
AVC GE Area 1B	3
AVC GE Area 4	3
AVC GE Area 2	3
General Elective	3
Total	**16**

Term 4

ELEC 220 - Advanced Motor Control-PLC	4
ELEC 250 - Electricians Journeyman Review	3
AVC GE Area 3	3
AVC GE Area 6	3
General Elective	1
Total	**14**
Degree Total	**60**

Electrical Technology Courses

ELEC 110 FUNDAMENTALS OF ELECTRICITY

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Basic concepts of electricity with emphasis on the fundamental laws of electricity and magnetism and the practical application of those laws. Experimental verification of these laws with laboratory practice to support the theory. Students will be provided a foundation in electricity for vocational areas including: electronics, electrical, auto, appliance repair, refrigeration and air conditioning. (AVC)

ELEC 115 ELECTRICAL CODES AND ORDINANCES

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of or concurrent enrollment in ELEC 110.*

This course is designed to provide students with knowledge and familiarization of the electrical codes used in California including technical requirements, governing bodies and enforcement. The class will cover different areas of the National Electrical Code (NEC) and will build on the students' foundation of knowledge and skills to maintain or modify the electrical system in a residential, commercial or industrial environment. Close adherence to the NEC will be observed, resulting in safe wiring practices. Basic formulas necessary to understand electrical theory and applications are presented as they are needed throughout the class. (AVC) (R unlimited*) * Course repeatability allowed for mandated training as stated in Title 5, Section 55763(c) and 58161(c).

ELEC 120 RESIDENTIAL WIRING

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of or concurrent enrollment in ELEC 110.*

Build a foundation of knowledge and skills needed to maintain or modify the electrical system in a residence. Close adherence to the National Electrical Code will be observed, resulting in safe wiring practices. Ability to secure permits and pass electrical inspection will be observed by the instructor. Basic formulas necessary to understand electrical theory and applications are presented as they are needed throughout the class. (AVC)

ELEC 130 ALTERNATING CURRENT THEORY

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ELEC 110.*

Builds on the student's knowledge of electrical theory. Experiments with the interaction between magnetism, generators, transformers, motors, and how it applies to the AC circuit. Inductance and capacitance theories are introduced. Practical application of electrical circuits in residential, commercial and industrial setting. Construction requirements of single phase/3-phase systems, and electrical safety. (AVC)

ELEC 140 COMMERCIAL & INDUSTRIAL WIRING & CABLING

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Prerequisite: *Completion of or concurrent enrollment in ELEC 110.*

Builds on the student's knowledge of electrical theory and wiring practices to install, repair, and maintain electrical circuits in a commercial/industrial setting. Construction activities will cover tool identification, blueprint/symbol identification, conduit bending, wire pulling, rigging and electrical test equipment. Close attention will be paid to the National Electrical Code requirements with emphasis on installation of electrical equipment and controls. Records of amps, volts, and watts will be kept. Students will be instructed on how to use this information for optimum utilization of power in the commercial/industrial setting. Formulas necessary to understand the electrical theory and applications will be presented as they are needed throughout the class. (CSU, AVC)

ELEC 150 ELECTRICAL MAINTENANCE

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Prerequisite: *Completion of or concurrent enrollment in ELEC 110.*

Students will progress from basic electrical diagram symbols and processes to advanced machinery troubleshooting in an industrial plant. CAL-OSHA requirements to prevent hazards from electrical shock, moving machinery and stored energy will be taught then implemented in a lab setting. The interaction between electrical, mechanical, hydraulic and pneumatic machinery and controls will be taught in a variety of lecture and lab settings using a variety of meters. The students will gain knowledge by developing a preventive maintenance program designed to reduce downtime and minimize production loss. (CSU, AVC)

ELEC 160 FUNDAMENTALS OF MOTOR CONTROL

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Prerequisite: *Completion of ELEC 110.*

Builds on the student's knowledge of electrical theory and apply this knowledge to electrical motor control. Close attention paid to the National Electrical Code requirements and NEMA requirements. Emphasis placed on installation, maintenance and modification of motor control, presented in a present-day setting. Students will learn new electrical symbols theory, and progress through such topics as circuit layout, control pilot devices, control circuits, reduced voltage starters and multi-speed controllers. Formulas necessary to understand and work with the electrical theory and applications are presented as they are needed throughout the class. (CSU, AVC)

ELEC 220 ADVANCED MOTOR CONTROL-PLC

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of ELEC 160.*

This course is designed to build on the student's knowledge of electrical motor control and introduces the basic theory, operation and programming of programmable logic controllers. Students learn PLC hardware components, system configuration, and relay ladder logic concepts. The topics will include configuration, operation, input/output devices, and basic PLC programming. Upon completion students will be able to identify components, troubleshoot control systems, and design basic control programs. (CSU, AVC)

ELEC 250 ELECTRICIANS JOURNEYMAN REVIEW

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ELEC 115.*

A series of sample tests and lectures intended for students who are preparing for the National Electrical Code (NEC) portion of the state journeyman exam. Provides a quick, easily understood study guide for those needing to update themselves on the NEC and the basic electrical mathematical formulas needed in the electrical field. Gain proficiency in the use of the NEC table of contents, the index and the ability to move quickly from cover to cover to find the answer to each question in a timely manner. (CSU, AVC) (R unlimited*) * Course repeatability allowed for mandated training as stated in Title 5, Section 55040(b) and 58161(f).

Department Description

The Electronics Technology curriculum is designed to prepare the student for employment as an electronic technician, avionics technician, medical equipment technician, and audio/video technician. This is the only electronic technician program certified by the Federal Aviation Administration (FAA).

Program Learning Outcomes

Avionics Technology Certificate

1. Analyze and evaluate critical aspects of the electronics industry related to safe work practices, standards and tolerances, standard shop practices, proper use of tools, test equipment, and personal protective equipment.
2. Analyze, evaluate, troubleshoot, and repair electronics systems.
3. Evaluate, read and properly interpret industry standard electronics schematics and technical manuals to assess, maintain, and repair electronics systems.

Electronics Technology Cert & AS

1. Analyze and evaluate critical aspects of the electronics industry related to safe work practices, standards and tolerances, standard shop practices, proper use of tools, test equipment, and personal protective equipment.
2. Analyze, evaluate, troubleshoot, and repair electronics systems.
3. Evaluate, read and properly interpret industry standard electronics schematics and technical manuals to assess, maintain, and repair electronics systems.

Certificate Programs

Avionics Technology Certificate

This program provides the basic understanding and principles of basic electricity, basic physics, math, materials and processes, cleaning and corrosion control, soldering, cable fabrication, connector terminations, wire routing, electrical bonding, and system installation and testing. Career Options are Basic Aircraft Assembler, Avionics Technician, and Electrical Technician.

Program Requirements
Avionics Technology Certificate (Total 15)
Complete all of the following

Required Courses:	**Units**
ELTE 110 - Electronics Mathematics	4
ELTE 125 - Direct Current and Alternating Current Principles	5
ELTE 145 - Acceptability of Electronic Assemble	6
Total	**15**

Recommended Pathway

Term 1	**Units**
ELTE 110 - Electronics Mathematics	4
Total	**4**
Term 2	
ELTE 145 - Acceptability of Electronic Assemble	6
ELTE 125 - Direct Current and Alternating Current Principles	5
Total	**11**
Certificate Total	**15**

Electronics Technology Cert

The following courses (30 units) are required for the certificate. Students who successfully complete the certificate requirements are qualified for entry level positions as electronics technicians, test technicians, or field service technicians. These positions include aviation/avionics, test instrumentation, communications systems, navigational systems, computer related electronics, robotics and biomedical equipment repair.

Program Requirements
Electronics Technology Cert (Total 30)
Complete all of the following

	Units
Required Courses (Total 21)	
Complete all of the following	
ELTE 110 - Electronics Mathematics	4
ELTE 125 - Direct Current and Alternating Current Principles	5
ELTE 130 - Digital Circuit Analysis	4
ELTE 135 - Analog Circuit Analysis	4
ELTE 235 - Electronic Communications I	4
Complete Option 1 or Option 2 (Total 6)	
Complete the following number of rules: 1	
Option 1 (Total 6)	
Complete all of the following	
ELTE 140 - Microprocessor Systems I	3
ELTE 220 - Microprocessor Systems II	3
Option 2 (Total 6)	
Complete all of the following	
ELTE 180 - Microprocessor Systems	6
Program Electives (Total 3)	
Complete the following number of units: 3	
ELTE 105 - Introduction to Robotics	3
ELTE 145 - Acceptability of Electronic Assemble	6
ELTE 199 - Work Experience Education	1-8
ELTE 252 - Introduction to Avionics	3
ELTE 254 - Radio Telephone License	3

Recommended Pathway

First Semester	**Units**
ELTE 110 - Electronics Mathematics	4
ELTE 125 - Direct Current and Alternating Current Principles	5
ELTE 130 - Digital Circuit Analysis	4
Total	**13**
Second Semester	
ELTE 135 - Analog Circuit Analysis	4
ELTE 180 - Microprocessor Systems	6
Total	**10**
Third Semester	
ELTE 235 - Electronic Communications I	4
Program Electives (ELTE 105)	3
Total	**7**
Certificate Total	**30**

Associate Degree

Electronics Technology AS

The requirements for an associate degree in Electronics Technology may be satisfied by completing 30 units of required courses, selecting an additional 3 units from the restricted list of program electives, 21 units of general education requirements, and sufficient elective credits to total 60 units. (See Graduation/ Associate Degree Requirements.) Students who complete the associate degree have enhanced employability in the field of electronics technology. They are well prepared for promotional opportunities such as lead technician or supervisory positions. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively. Except in cases of a prerequisite requirement, it is not required to take courses in exactly this sequence; they are recommended in this order to facilitate success.

Program Requirements
Electronics Technology AS (Total 30)
Complete all of the following **Units**

Required Courses (Total 21)
Complete all of the following

ELTE 110 - Electronics Mathematics	4
ELTE 125 - Direct Current and Alternating Current Principles	5
ELTE 130 - Digital Circuit Analysis	4
ELTE 135 - Analog Circuit Analysis	4
ELTE 235 - Electronic Communications I	4

Complete Option 1 or Option 2 (Total 6)
Complete the following number of rules: 1
Option 1 (Total 6)
Complete all of the following

ELTE 140 - Microprocessor Systems I	3
ELTE 220 - Microprocessor Systems II	3

Option 2 (Total 6)
Complete all of the following

ELTE 180 - Microprocessor Systems	6

Program Elective (Total 3)
Complete the following number of units: 3

ELTE 105 - Introduction to Robotics	3
ELTE 145 - Acceptability of Electronics Assemble	6
ELTE 199 - Work Experience Education	1-8
ELTE 252 - Introduction to Avionics	3
ELTE 254 - Radio Telephone License	3

Recommended Pathway

First Semester	**Units**
ELTE 110 - Electronics Mathematics	4
ELTE 125 - Direct Current and Alternating Current Principles	5
ELTE 130 - Digital Circuit Analysis	4
AVC GE Area 1A (ENGL C1000)	4
	Total 17

Second Semester	
ELTE 135 - Analog Circuit Analysis	4
ELTE 180 - Microprocessor Systems	6
AVC GE Area 2	3
AVC GE Area 1B	3
	Total 16

Third Semester	
ELTE 235 - Electronic Communications I	4
Program Electives (ELTE 105)	3
General Elective	3
AVC GE Area 3	3
	Total 13

Fourth Semester	
General Elective	3
General Elective	2
AVC GE Area 4	3
AVC GE Area 5	3
AVC GE Area 6	3
	Total 14
	Degree Total 60

Electronics Technology Courses

ELTE 101 SURVEY OF ELECTRONICS

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54

A course giving an overview of the physics of direct and alternating current circuits, semiconductors, integrated circuits (IC's), magnetism, electromagnetism, and Ohms law. Application of these physical laws will be studied as they pertain to electrical power generation and distribution, alternative energy sources, electronic communication, computer technology and robotic controls. Throughout the course, the scientific method, scientific history, political and socio-economic aspects of electronics technology will be examined. The laboratory experiments facilitate hands-on use of electronic test equipment to allow the comprehension of the electrical principles to be displayed, providing the student the opportunity to witness the laws of physics, chemistry and mathematics as they apply to the electrical/electronic principles. (CSU, AVC)

ELTE 105 INTRODUCTION TO ROBOTICS

3 Units
Total Course Lecture Hours 54

Intended for students who are interested in robotics and other applications for electronically controlled mechanical systems. Uses and applications for robotics, mechanical platforms, power sources, sensors, and basic controls will be covered. Students will construct and operate various small-scale robots. (AVC)

ELTE 110 ELECTRONIC MATHEMATICS

4 Units
Total Course Lecture Hours 72

Scientific notation, manipulation of algebraic expressions, basic trigonometry, logarithms, Boolean algebra, and use of electronic calculators. Emphasis is on using mathematics as a tool for understanding the principles of electronics. (AVC)

ELTE 125 DIRECT CURRENT AND ALTERNATING CURRENT PRINCIPLES

5 Units

Total Course Lecture Hours 81

Total Course Lab Hours 27

Prerequisite: *Completion of or concurrent enrollment in ELTE 110.*

Basic concepts of direct current including voltage, current, power, and resistance. Ohm's Law and Kirchhoff's Laws are used to analyze series, parallel, and series-parallel circuits. Concepts of alternating current including voltage and current phasing, power factors, resistance, reactance and impedance. Capacitive and inductive circuits are included. Laboratory experiments reinforce theory and also teach proper use of test equipment and soldering techniques. Proper use of oscilloscopes and other test equipment is emphasized. (AVC)

ELTE 130 DIGITAL CIRCUIT ANALYSIS

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Prerequisite: *Completion or concurrent enrollment in ELTE 110 and 125.*

Digital circuit concepts related to small and medium-scale integrated circuits. Includes Boolean algebra, basic logic gates, flip flops, and more complex combinational logic circuits such as multiplexers, decoders, counters, and displays. Laboratory exercises emphasize the use of IC specification books, troubleshooting, and use of test equipment. More advanced soldering techniques are also included. (AVC)

ELTE 135 ANALOG CIRCUIT ANALYSIS

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Prerequisite: *Completion of ELTE 125.*

Covers basic analog devices and circuits related to electronic signal processing. Includes diodes, transistors, and integrated circuits. Applications include power supplies, amplifier circuits, and basic operational amplifier circuits. Use of test equipment and troubleshooting is emphasized. (AVC)

ELTE 140 MICROPROCESSOR SYSTEMS I

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

Prerequisite: *Completion of or concurrent enrollment in ELTE 130.*

The internal register set and basic microprocessor instructions are included in this course. Students write small programs to exercise registers and learn the concepts of the hardware/software interface. Basic input and output techniques introduce students to microprocessor controlled systems. Students who have taken ELTE 180 have fulfilled the content of ELTE 140 and ELTE 220. (AVC)

ELTE 145 ACCEPTABILITY OF ELECTRONIC ASSEMBLE

6 Units

Total Course Lecture Hours 90

Total Course Lab Hours 54

Prerequisite: *Completion or concurrent enrollment in ELTE 110 and 125.*

This course provides acceptance requirements for the manufacture of electrical and electronic assemblies, specifically in the areas of cable and wire harness assemblies, soldered electrical and electronic assemblies, and quality control testing and inspection. (AVC)

ELTE 180 MICROPROCESSOR SYSTEMS

6 Units

Total Course Lecture Hours 90

Total Course Lab Hours 54

Prerequisite: *Completion of ELTE 130.*

The internal register set and basic microprocessor instructions are included in this course. Students write small programs to exercise registers and learn the concepts of the hardware/software interface. Basic input and output techniques introduce students to microprocessor controlled systems. Covers topics related to interfacing microprocessors with other devices required for microprocessor controlled systems. Includes; bus structures, addressing, memory, input, output, device control techniques, and the relationships between hardware and software. Emphasis in the lab is on troubleshooting hardware/software systems. Students who have taken ELTE 140 and ELTE 220 have fulfilled the content of this course. (AVC)

ELTE 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have the approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students with a realistic learning experience through work in the technical work environment. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as employees in various situations and jobs in the technical field. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the technical working environment. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

ELTE 220 MICROPROCESSOR SYSTEMS II

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ELTE 140.*

A continuation of ELTE 140, and covers topics related to interfacing microprocessors with other devices required for microprocessor controlled systems. Includes, bus structures, addressing, memory, input, output, device control techniques and the relationships between hardware and software. Emphasis in the lab is on troubleshooting hardware/ software systems. Students who have taken ELTE 180 have fulfilled the content of ELTE 140 and ELTE 220. (AVC)

ELTE 235 ELECTRONIC COMMUNICATIONS I

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Prerequisite: *Completion of ELTE 135.*

Prepares the student for entry into the rapidly expanding field of communications. Includes the analyzing of electrical signals, waveforms and harmonics, combining signals, amplitude modulation, and sideband communications, and the creating, amplifying and reproducing of signals. Knowledge gained is applied to real-world problem solving and verified in the laboratory by experiments. (AVC)

ELTE 252 INTRODUCTION TO AVIONICS

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ELTE 130 and ELTE 135.*

Introduction to the electronic systems used in aircraft navigation, communication and control. Emphasis on system purpose, terminology and function. Both ground and airborne systems will be covered. (AVC)

ELTE 254 RADIO TELEPHONE LICENSE

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ELTE 110 or ELTE 135.*

A course designed to give the student a knowledge and understanding of FCC rules and regulations, skills to tune and adjust communication and broadcast transmitters, receivers and antennas, and associated knowledge required to pass the FCC Radio Telephone operator’s license exam. (AVC)

Department Description

EMT Emergency Medical Technology is one course that prepares students to take the National Registry examination to become an EMT-1. Students enrolling in EMT 101 will be required to complete a specific medical exam to include proof of immunizations, TB testing, as well as a drug screening and criminal background check before completing the ambulance ride along. Students should not have the medical exam and background screening until they are given the current forms and instructions by the instructor.

Program Learning Outcomes

Emergency Cardiac Care Provider Certificate (Noncredit)

EMT900 – Basic Life Support (BLS)

2. Demonstrate the ability to recognize life-threatening emergencies and perform high-quality cardiopulmonary resuscitation (CPR) and automated external defibrillation (AED) on adult, child, and infant patients in accordance with current American Heart Association (AHA) Basic Life Support guidelines.

EMT901 – Advanced Cardiac Life Support (ACLS)

3. Apply Advanced Cardiac Life Support (ACLS) algorithms to assess and manage adult patients experiencing cardiac arrest, bradyarrhythmias, tachyarrhythmias, stroke, and acute coronary syndromes using effective airway management, pharmacological interventions, electrical therapy, and team-based resuscitation strategies.

EMT902 – Pediatric Advanced Life Support (PALS)

1. Utilize Pediatric Advanced Life Support (PALS) protocols to assess, triage, and treat critically ill or injured pediatric patients by identifying signs of respiratory distress, shock, and cardiac arrest, while demonstrating effective communication, rapid decision-making, and leadership within a pediatric resuscitation team.

Paramedic Cert & AS

1. Apply advanced-level emergency medical knowledge and standards within the paramedic scope of practice to the care of patients in a diverse community.
2. Apply safe advanced-level technical skills in emergency medical situations within the paramedic scope of practice.
3. Behave professionally, skillfully, and in a manner consistent with employer and community expectations of an Emergency Medical Services (EMS) provider.
4. Support patient advocacy and interprofessional collaboration in prehospital care to address health disparities in a diverse community.

Certificate Program

Emergency Cardiac Care Provider Certificate (Noncredit)

The Emergency Cardiac Care Provider Certificate is a noncredit workforce training program designed to equip current and aspiring healthcare providers with critical life-saving skills across all age groups. This certificate includes American Heart Association (AHA)-approved training in Basic Life Support (BLS), Advanced Cardiovascular Life Support (ACLS), and Pediatric Advanced Life Support (PALS). Students will learn to recognize and manage cardiac arrest, respiratory emergencies, and pediatric life-threatening conditions through a combination of hands-on practice, scenario-based simulations, and didactic instruction. Upon successful completion, students will be eligible for AHA certification cards in BLS, ACLS, and PALS, making this certificate ideal for EMTs, nurses, and other allied health professionals seeking employment, recertification, or advanced clinical preparedness in emergency care environments.

Program Requirements
Emergency Cardiac Care Provider Certificate (Noncredit) (Total 45)

Complete all of the following	Hours
EMT 900 - Basic Life Support (BLS) Provider	9
EMT 901 - Advanced Cardiac Life Support (ACLS) Provider	18
EMT 902 - Pediatric Advanced Life Support (PALS) Provider	18

Recommended Pathway

Term 1	Hours
EMT 900 - Basic Life Support (BLS) Provider	9
EMT 901 - Advanced Cardiac Life Support (ACLS) Provider	18
EMT 902 - Pediatric Advanced Life Support (PALS) Provider	18
Total	**45**
Certificate Total	**45**

Paramedic Cert

The paramedic program provides students with the knowledge and skills necessary to provide advanced emergency medical care in the prehospital setting. The licensed paramedic is the highest level provider on the prehospital care team and may find employment with a fire department, private ambulance service, third service, hospital, or other operation. The paramedic program includes classroom didactic, practical laboratory, simulation-based education, in-hospital clinical and a capstone prehospital field internship that qualifies the student for the National Registry of Emergency Medical Technicians (NREMT) paramedic licensure Examination upon successful completion of the program. Student requirements to be accepted into the program are based by the State of California Emergency Medical Services Authority (CCR. DIV.9 Title 22), Los Angeles County EMS Agency and any other requirements to meet accrediting CAAHEP, CoAEMSP, NHTSA National EMS Education Standards, NREMT & Local certifying entities by regulation/ law. Enrollment is open to qualified applicants who fulfill the following admission requirements:

1. Possess a high school diploma or general education equivalent (GED).
2. Hold a current California EMT or California Advance EMT certification and remain current throughout all training phases.
3. Hold a current healthcare provider level BLS card which meet the current AHA Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular care.
4. Have a minimum of six (6) months full-time or one (1) year part-time EMT experience, preferably 9-1-1 field experience.
5. Complete application requirements to the program within the annual application period in the Spring A Multiple screening tool will be used to select a cohort of candidates based on available Field internship assignments to start each Fall semester.

Program Requirements
Required (Total 47)
Complete all of the following

EMT 121 - Introduction to EMS	3
EMT 122 - Pharmacology in EMS	3
EMT 123 - Trauma Emergencies	3
EMT 124 - Trauma Certification	2
EMT 125 - Cardiorespiratory Emergencies	4
EMT 126 - Neuroendocrine Emergencies	3
EMT 127 - Medical Emergencies	3
EMT 128 - OB/GYN and Peds Emergency	4
EMT 129 - Special Populations, EMS Ops	4
EMT 130A - Paramedic Clinical Practicum	7
EMT 130B - Paramedic Field Internship	11

Recommended Pathway

Fall Semester	**Units**
EMT 121 - Introduction to EMS	3
EMT 122 - Pharmacology in EMS	3
EMT 123 - Trauma Emergencies	3
EMT 124 - Trauma Certification	2
EMT 125 - Cardiorespiratory Emergencies	4
	Total 15
Spring Semester	
EMT 126 - Neuroendocrine Emergencies	3
EMT 127 - Medical Emergencies	3
EMT 128 - OB/GYN and Peds Emergency	4
EMT 129 - Special Populations, EMS Ops	4
	Total 14
Summer Semester	
EMT 130A - Paramedic Clinical Practicum	7
	Total 7
Second Fall Semester	
EMT 130B - Paramedic Field Internship	11
	Total 11
	Certificate Total 47

Associate Degree

Paramedic AS

The paramedic program provides students with the knowledge and skills necessary to provide advanced emergency medical care in the prehospital setting. The licensed paramedic is the highest level provider on the prehospital care team and may find employment with a fire department, private ambulance service, third service, hospital, or other operation. The paramedic program includes classroom didactic, practical laboratory, simulation-based education, in-hospital clinical and a capstone prehospital field internship that qualifies the student for the National Registry of Emergency Medical Technicians (NREMT) paramedic licensure Examination upon successful completion of the program.

Student requirements to be accepted into the program are based by the State of California Emergency Medical Services Authority (CCR. DIV.9 Title 22), Los Angeles County EMS Agency and any other requirements to meet accrediting CAAHEP, CoAEMSP, NHTSA National EMS Education Standards, NREMT & Local certifying entities by regulation/law. Enrollment is open to qualified applicants who fulfill the following admission requirements:

1. Possess a high school diploma or general education equivalent (GED).
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3. Hold a current healthcare provider level BLS card which meet the current AHA Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular care.
4. Have a minimum of six (6) months full-time or one (1) year part-time EMT experience, preferably 9-1-1 field experience.
5. Complete application requirements to the program within the annual application period in the Spring A Multiple screening tool will be used to select a cohort of candidates based on available Field internship assignments to start each Fall semester.

Program Requirements
Required (Total 47)

Complete all of the following	**Units**
EMT 121 - Introduction to EMS	3
EMT 122 - Pharmacology in EMS	3
EMT 123 - Trauma Emergencies	3
EMT 124 - Trauma Certification	2
EMT 125 - Cardiorespiratory Emergencies	4
EMT 126 - Neuroendocrine Emergencies	3
EMT 127 - Medical Emergencies	3
EMT 128 - OB/GYN and Peds Emergency	4
EMT 129 - Special Populations, EMS Ops	4
EMT 130A - Paramedic Clinical Practicum	7
EMT 130B - Paramedic Field Internship	11

Recommended Pathway

Pre Program	**Units**
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 1B (COMM C1000)	3
AVC GE Area 2	3
AVC GE Area 3	3
AVC GE Area 4 (SOC 101)	3
AVC GE Area 5 (BIOL 201)	4
AVC GE Area 6	3
	Total 23
Fall Semester	
EMT 121 - Introduction to EMS	3
EMT 122 - Pharmacology in EMS	3
EMT 123 - Trauma Emergencies	3
EMT 124 - Trauma Certification	2
EMT 125 - Cardiorespiratory Emergencies	4
	Total 15
Spring Semester	
EMT 126 - Neuroendocrine Emergencies	3
EMT 127 - Medical Emergencies	3
EMT 128 - OB/GYN and Peds Emergency	4
EMT 129 - Special Populations, EMS Ops	4
	Total 14
Summer Semester	
EMT 130A - Paramedic Clinical Practicum	7
	Total 7
Second Fall Semester	
EMT 130B - Paramedic Field Internship	11
	Total 11
	Degree Total 70

Emergency Medical Technology Courses

EMT 101 EMERGENCY MEDICAL TECHNICIAN (EMT)

8 Units
Total Course Lecture Hours 108
Total Course Lab Hours 108
Advisory: *EMT 900 and BIOL 100.*
Limitations on Enrollment: *Students may be required to complete a specific medical exam, including TB testing and required immunizations, and pass a criminal background check as outlined by the course instructor. Students must meet the physical demands of working in an emergency environment, which includes the ability to lift, squat, bend, climb stairs, and meet standards for hearing, eyesight, and speech.*
Enrollment is contingent on class availability with a maximum of 20 students per lab section, maintaining a 10:1 student-to-instructor ratio for hands-on skill training. This course is approved by the Los Angeles County EMS Agency.
Uniform Requirement: For the purposes of professionalism, safety, and identifiability, students are required to wear a designated uniform during lectures, lab sessions, and internships. The uniform consists of the following approved items:

- AVC EMT White Polo Shirt
- AVC EMT Navy Blue T-shirt
- AVC EMT 1/4 Zip Sweatshirt (Optional)
- AVC EMT Hat (Optional)
- Black Belt
- Navy Blue Work Pants
- Black Work Boots
- AVC EMT ID Badge
- Watch with a Second Hand

The AVC EMT uniform articles (polo shirt, t-shirt, sweatshirt, and hat) must be ordered through the approved vendor of the EMT course. Other uniform components, such as the belt, pants, boots, and watch, may be purchased at the discretion of the student, provided they meet the standards discussed during the first class session. The approximate total cost of the required uniform items is $150. Proper adherence to the uniform policy is mandatory, and failure to comply may result in restrictions on participation in lab or field activities.

This course covers the theoretical knowledge and practical skills required for Emergency Medical Technicians (EMTs), focusing on emergency medical services procedures and patient care techniques. Upon successful completion, students receive a certificate of completion from Antelope Valley College. Students are then eligible to sit for the National Registry EMT certification exam, which is required for professional certification. Students must hold or obtain Basic Life Support (BLS) certification for Healthcare Providers before the first class session, and detailed requirements will be provided during the initial meeting. (CSU, AVC) (R1)

EMT 121 INTRODUCTION TO EMS

3 Units
Total Course Lecture Hours 49.5
Total Course Lab Hours 13.5
Limitations on Enrollment: *Formal admission to the Paramedic Certificate Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, background check, drug screening, current American Heart Association Healthcare Provider basic cardiac life support card.*
This introductory course provides foundational knowledge and psychomotor skills necessary for success in emergency medical services education. Topics include EMS systems, workforce wellness, public health, medical-legal and ethical responsibilities, medical terminology, and effective communication and documentation. The course also includes a comprehensive review of Basic Life Support (BLS) skills and introduces students to patient assessment techniques including vital signs and primary assessment skills. A structured laboratory component allows students to develop basic clinical skills through supervised practice. Students will demonstrate competency in core EMS concepts and psychomotor techniques necessary for progression in a paramedic training program. (CSU, AVC)

EMT 122 PHARMACOLOGY IN EMS

3 Units
Total Course Lecture Hours 40.5
Total Course Lab Hours 40.5
Limitations on Enrollment: *Formal admission to the Paramedic Certificate Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, background check, drug screening, and current American Heart Association Healthcare Provider Basic Life Support (BLS) card required.*
Prerequisites: *Completion of or concurrent enrollment in EMT 121.*
Corequisite: *EMT 123 and EMT 125.*
This course introduces the foundational concepts of pharmacology as applied in the prehospital setting. Topics include drug classifications, pharmacokinetics and pharmacodynamics, medication safety, routes of administration, and legal considerations. Students will learn the therapeutic uses, dosages, indications, contraindications, and potential adverse effects of medications commonly administered by paramedics in the field. Emphasis is placed on clinical decision-making, accurate medication preparation and delivery, and safe practice under medical control. (CSU, AVC)

EMT 123 TRAUMA EMERGENCIES

3 Units

Total Course Lecture Hours 54

Limitations on Enrollment: *Formal admission to the Paramedic Certificate Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, background check, drug screening, current American Heart Association Healthcare Provider basic cardiac life support card.*

Corequisite: *EMT 124.*

Pathophysiology, assessment and management of trauma emergencies in the field. Basic and advanced management principles and continuum of trauma care. Focus on prehospital and definitive management of patients with shock as the result of traumatic injury. (CSU, AVC)

EMT 124 TRAUMA CERTIFICATION

2 Units

Total Course Lecture Hours 27

Total Course Lab Hours 36

Limitations on Enrollment: *Formal admission to the Paramedic Certificate Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, Live Scan, current American Heart Association Healthcare Provider basic cardiac life support card.*

Corequisite: *EMT 123.*

This course meets requirements for trauma certification according to national, state and local standards in emergency medical services. This course is required for students enrolled in the paramedic program. (CSU, AVC)

EMT 125 CARDIORESPIRATORY EMERGENCIES

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Limitations on Enrollment: *Formal admission to the Paramedic Certificate Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, background, drug screening, and current American Heart Association (AHA) Healthcare Provider BLS certification.*

This course provides paramedic students with the knowledge and clinical reasoning skills necessary for the recognition and management of respiratory and cardiovascular emergencies in the prehospital setting. Topics include pulmonary and cardiac pathophysiology, ECG interpretation, 12-lead ECG acquisition and analysis, recognition of dysrhythmias, and advanced airway management techniques. Emphasis is placed on assessment-based care, clinical decision-making, pharmacologic interventions, and team-based resuscitation strategies. The course includes preparation for Advanced Cardiac Life Support (ACLS) certification. (CSU, AVC)

EMT 126 NEUROENDOCRINE EMERGENCIES

3 Units

Total Course Lecture Hours 40.5

Total Course Lab Hours 40.5

Limitations on Enrollment: *Formal admission to the Paramedic Certificate Program; current physical exam and TB clearance; current immunizations; personal liability insurance; background check, drug screening; current AHA BLS Provider card.*

Prerequisite: *EMT 121, EMT 122, and EMT 125.*

This course prepares paramedic students to assess and manage patients with medical emergencies involving the neurologic and endocrine systems. Topics include altered mental status, seizures, strokes (including TIA and hemorrhagic/ischemic differentiation), diabetic emergencies, thyroid and adrenal dysfunction, and complex multisystem presentations. Emphasis is placed on clinical assessment, differential diagnosis, appropriate pharmacologic and non-pharmacologic interventions, and prioritization of care. Includes preparation for stroke system activation and adherence to current regional and national treatment protocols. (CSU, AVC)

EMT 127 MEDICAL EMERGENCIES

3 Units

Total Course Lecture Hours 40.5

Total Course Lab Hours 40.5

Limitations on Enrollment: *Formal admission to the Paramedic Certificate Program; annual physical exam and TB test; current immunizations; personal liability insurance; background clearance; drug screening; and current American Heart Association (AHA) Healthcare Provider BLS certification.*

Prerequisite: *EMT 121, EMT 122, EMT 125.*

This course provides paramedic students with the foundational knowledge and clinical skills necessary to assess and manage a broad range of non-traumatic medical emergencies in the prehospital setting. Topics include pathophysiology, assessment, and treatment of allergic reactions, anaphylaxis, toxicologic exposures, hematologic disorders, renal and genitourinary conditions, gastrointestinal and hepatic emergencies, psychiatric crises, infectious diseases, and environmental illnesses. Emphasis is placed on differential diagnosis, clinical decision-making, pharmacologic interventions, and team-based patient management using regional EMS protocols and national standards. (CSU, AVC)

EMT 128 OB/GYN AND PEDIATRIC EMERGENCIES

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Limitations on Enrollment: *Formal admission to the Paramedic Certificate Program; annual physical exam and TB clearance; current immunizations; personal liability insurance; background clearance, drug screening; and current AHA Healthcare Provider BLS certification.*

Prerequisites: *EMT 121, EMT 122, EMT 125.*

This course prepares paramedic students to assess and manage obstetric, neonatal, and pediatric emergencies in the prehospital environment. Topics include maternal complications of pregnancy and delivery, fetal monitoring basics, neonatal resuscitation (following NRP guidelines), pediatric assessment strategies, and the treatment of common pediatric illnesses and injuries. Emphasis is placed on anatomical and physiological differences in pediatric patients, age-specific interventions, family-centered care, and communication with caregivers. Clinical decision-making is reinforced through scenario-based instruction and simulation aligned with national paramedic education standards. (CSU, AVC)

EMT 129 EMS OPERATIONS AND SPECIAL POPULATIONS

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Limitations on Enrollment: *Formal admission to the Paramedic Certificate Program; annual physical exam and TB clearance; current immunizations; personal liability insurance; background clearance; drug screening; and current AHA Healthcare Provider BLS certification.*

Prerequisites: *EMT 121, EMT 122, EMT 123, EMT 125.*

This course prepares paramedic students to manage the medical and psychosocial needs of patients from special populations, including older adults, patients with physical or cognitive disabilities, victims of abuse or neglect, individuals affected by poverty or homelessness, and those receiving home or hospice care. Students also gain foundational knowledge in EMS operations, including crime scene awareness, hazardous materials, ambulance safety, mass casualty incidents (MCIs), incident command, and disaster preparedness. Emphasis is placed on safety, communication, compassion, and adherence to EMS operational standards and protocols. (CSU, AVC)

EMT 130A PARAMEDIC CLINICAL PRACTICUM

7 Units

Total Course Lab Hours 378

Limitations on Enrollment: *Formal admission to the Paramedic Certificate Program; annual physical exam and TB clearance; current immunizations; personal liability insurance; background check; drug screening; current AHA Healthcare Provider BLS certification.*

Prerequisite: *EMT 126, EMT 127, EMT 128, and EMT 129.*

This course provides supervised clinical education in hospital and specialty settings to develop paramedic-level patient care competencies. Students will apply knowledge and psychomotor skills learned in the didactic and laboratory phases while caring for patients under the supervision of clinical preceptors. Clinical areas may include emergency departments, labor and delivery, pediatrics, intensive care, psychiatric units, and surgical suites. Emphasis is placed on advanced patient assessment, medication administration, airway management, team communication, and the development of critical thinking necessary for field readiness. Completion of this course with documented skill mastery is required for progression to the capstone field internship. (CSU, AVC)

EMT 130B PARAMEDIC FIELD INTERNSHIP

11 Units

Total Course Lab Hours 594

Limitations on Enrollment: *Formal admission to the Paramedic Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, background check, drug screening, current American Heart Association Healthcare Provider basic cardiac life support card. Student must be approved through Paramedic Director or Health and Safety Sciences Division.*

Prerequisite: *EMT 130A.*

This capstone course provides paramedic students with supervised field experience under the direct mentorship of a licensed paramedic preceptor. Students assume increasing responsibility in all aspects of patient care, with the goal of demonstrating independent clinical decision-making and safe performance of advanced life support interventions. Emphasis is placed on leadership, scene management, documentation, critical thinking, and integration of the cognitive, psychomotor, and affective domains. The course concludes with a comprehensive evaluation of terminal competencies and a final medical director review to determine readiness for National Registry testing and EMS workforce entry. (CSU, AVC)

Emergency Medical Technology Non Credit Course

EMT 900 BASIC LIFE SUPPORT (BLS) PROVIDER

0 Units

Total Course Lecture Hours 9

Instructional materials fee *of $10 is required for this course and must be paid at registration.*

This course is an American Heart Association (AHA) Basic Life Support (BLS) course designed to prepare participants to promptly recognize several life-threatening emergencies, give high-quality chest compressions, deliver appropriate ventilations and provide early use of an AED. Reflects science and education from the AHA Guidelines Update for CPR and Emergency Cardiovascular Care. Students who successfully complete this course will receive an AHA BLS course. (R unlimited)

EMT 901 ADVANCED CARDIAC LIFE SUPPORT (ACLS) PROVIDER

0 Units

Total Course Lecture Hours 18

This American Heart Association (AHA) Advanced Cardiac Life Support (ACLS) Provider course is designed for healthcare professionals who respond to cardiovascular emergencies. The course emphasizes high-performance team-based resuscitation and focuses on the early recognition and management of respiratory arrest, cardiac arrest, and peri-arrest conditions using AHA algorithms. Students will participate in interactive lectures, case-based scenarios, and hands-on skills sessions covering airway management, electrical therapy, pharmacology, and post-cardiac arrest care. AHA certification is awarded upon successful completion of both the written and practical skills examinations. The ACLS Provider certification is valid for two years.

A $15 materials fee is required to cover the cost of the AHA certification. (R unlimited)

EMT 902 PEDIATRIC ADVANCED LIFE SUPPORT (PALS) PROVIDER

0 Units

Total Course Lecture Hours 18

A $15 instructional materials fee *is required to cover the cost of the AHA certification and must be paid at registration.*

This course prepares healthcare providers to recognize and manage critically ill infants and children using the American Heart Association's (AHA) Pediatric Advanced Life Support (PALS) guidelines. Students will review pediatric assessment, respiratory and circulatory emergencies, shock management, and cardiac arrest protocols. Emphasis is placed on team dynamics, algorithm-based interventions, and high-performance simulation scenarios. This course is intended for healthcare professionals working in emergency, intensive care, and prehospital settings. Students who successfully complete all written and practical components will be eligible for AHA PALS Provider certification. The PALS Provider certification is valid for two years. (R unlimited)

EMT 905 PARAMEDIC PREPARATION

0 Units

Total Course Lecture Hours 27

This course is designed to provide the students with an introduction and overview of Antelope Valley College's Paramedic Program. Students will be introduced to major concepts contained in the paramedic curriculum including anatomy and physiology, EKG interpretation, pharmacology, and patient assessment. This course is required to be completed before beginning the paramedic program per Los Angeles County Requirements. (R unlimited)

EMT 950 EMERGENCY MEDICAL TECHNICIAN REFRESHER

0 Units

Total Course Lecture Hours 27

Limitations on Enrollment: *Current or recently expired EMT certification (State/NREMT recognized).*

This course is designed for Emergency Medical Technicians (EMTs) seeking to renew their California or National Registry certification in compliance with state and local EMS agency requirements. It provides a comprehensive review of core EMT knowledge and skills, including airway management, trauma and medical emergencies, obstetrics, pediatrics, and EMS operations. The course includes completion of the Skills Competency Verification (SCV) as outlined by EMSA and awards 24 hours of approved continuing education (CEUs) for EMT recertification. (R unlimited)

Department Description

The Engineering Program offers three distinct pathways that include: Mechanical/Aerospace Engineering, Electrical Engineering, and Computer Engineering. Through these pathways, students will complete lower division engineering coursework needed to transfer to any CSU, UC, as well as many other in-state or out-of-state universities, to complete a Bachelor's degree in an Engineering discipline.

Program Learning Outcomes

Computer Engineering AS

1. Apply knowledge of math, science, and engineering to identify, define, and solve computer engineering related problems.
2. Design and perform tests/experiments, analyze and interpret data, and prepare technical reports as a member of a group.

Electrical Engineering AS

1. Apply knowledge of math, science, and engineering to identify, define, and solve electrical engineering related problems.
2. Design and perform tests/experiments, analyze and interpret data, and prepare technical reports as a member of a group.
3. Effectively employ techniques, skills, and computational tools necessary for electrical engineering.

Engineering Fundamentals Cert

1. Acquire, develop, and refine the prerequisite mathematics, physics, and chemistry foundational skills to be successful in sophomore level engineering courses such as Statics, Circuit Analysis, or Materials Science.
2. Demonstrate the ability to write computer programs and apply them towards solving engineering problems.

General Engineering AS

1. Apply knowledge of math, science, and engineering to identify, define, and solve general engineering related problems.
2. Design and perform tests/experiments, analyze, and interpret data, and prepare technical reports as a member of a group.
3. Effectively employ techniques, skills, and computational tools necessary for general engineering.

Mechanical Engineering AS

1. Apply knowledge of math, science, and engineering to identify, define, and solve mechanical engineering related problems.
2. Design and perform tests/experiments, analyze and interpret data, and prepare technical reports as a member of a group.
3. Effectively employ techniques, skills, and computational tools necessary for mechanical engineering.

Practical 3D Printing Cert (Noncredit)

1. Demonstrate proficiency in utilizing various 3D printing technologies, including Fused Deposition Modeling (FDM), stereolithography (SLA), and selective laser sintering (SLS), to fabricate functional prototypes and parts.
2. Develop the skills and knowledge to apply advanced techniques in 3D printing, such as multicolor printing, multi-material printing, and advanced slicing techniques, to produce complex and customized objects tailored to specific industry needs.

Practical Microcontrollers Cert (Noncredit)

1. Demonstrate proficiency in designing, programming, and implementing microcontroller-based systems, acquired through hands-on experience with microcontroller components and project-based learning activities.
2. Develop problem-solving and critical thinking abilities necessary to analyze, troubleshoot, and optimize microcontroller applications, enabling them to address real-world challenges in embedded systems and automation effectively.

Practical Robotics Cert (Noncredit)

1. Demonstrate proficiency in designing, building, and programming robotic systems, acquired through hands-on experience with robotics kits and tools in lab sessions and projects.
2. Develop problem-solving and critical thinking skills necessary to analyze, troubleshoot, and address real-world challenges in robotics applications effectively.

Certificate Program

Engineering Fundamentals Cert

A student completing the Engineering Fundamentals Certificate will gain a solid grounding in the basic principles that underlie all engineering disciplines. This certificate provides both academic preparation for, and a pathway to, internships. When combined with further study, it will lead to an Engineering Associate in Science Degree and/or transfer. This certificate is intended to be completed at the beginning of a student's course of study, while they are at the freshman level.

Program Requirements
Engineering Fundamentals Certificate (Total 22 - 25)

Complete all of the following	**Units**
Required Courses (Total 16)	
Complete all of the following	
Core Courses (Total 11)	
Complete all of the following	
ENGR 110 - Introduction to Engineering	3
MATH 160 - Calculus and Analytic Geometry	4
PHYS 110 - General Physics	4
Calculus I Option (Total 5)	
Complete the following number of units: 5	
MATH 150 - Calculus and Analytic Geometry	5
MATH 150H - Calculus & Analytic Geometry Honors	5
Electives (Total 6 - 9)	
Complete the following number of units: 6-9	
CHEM 110 - General Chemistry	5
CHEM 110H - General Chemistry Honors	5
CS 110 - Introduction to Programming Concepts and Methodologies	3
CS 120 - Programming and Algorithms in C++	3
CS 121 - Programming and Algorithms in Java	3
CS 122 - Programming and Algorithms in Python	3
ENGR 125 - Programming and Problem-Solving in MATLAB	4

Recommended Pathway	
Term 1	**Units**
ENGR 110 - Introduction to Engineering	3
MATH 150 - Calculus and Analytic Geometry ***OR*** MATH 150H - Calculus & Analytic Geometry Honors	5
	Total 8
Term 2	
MATH 160 - Calculus and Analytic Geometry	4
PHYS 110 - General Physics	4
Electives (see list)	3-5
Electives (see list)	3-4
	Total 14-18
	Certificate Total 22-25

Practical 3D Printing Cert (Noncredit)

Jump into the forefront of additive manufacturing technology with our Practical 3D Printing Certificate of Completion program. This specialized curriculum combines the foundational knowledge from Introduction to 3D Printing with the advanced techniques explored in Applications of 3D Printing. Throughout this program, students delve into the intricacies of various 3D printing technologies, all through project-based learning. By the program's completion, students emerge equipped with a comprehensive skill set in advanced 3D printing, poised to innovate and excel in industries requiring cutting-edge manufacturing solutions.

Program Requirements

Practical 3D Printing Certificate of Completion (Total 108)	
Complete all of the following	**Hours**
ENGR 900 - Introduction to 3D Printing	54
ENGR 950 - Applications of 3D Printing	54

Recommended Pathway	
Term 1	**Hours**
ENGR 900 - Introduction to 3D Printing	54
	Total 54
Term 2	
ENGR 950 - Applications of 3D Printing	54
	Total 54
	Certificate Total 108

Practical Microcontrollers Cert (Noncredit)

Embark on an enriching journey into the realm of microcontrollers with our Certificate of Completion program. This comprehensive curriculum blends foundational knowledge from Introduction of Microcontrollers with advanced applications explored in Applications of Microcontrollers. Throughout the program, students delve into microcontroller components, programming techniques, and project-based learning scenarios, honing their skills in sensor integration, automation, and interfacing with other languages. By program completion, students emerge equipped with a comprehensive understanding of microcontroller technology, ready to innovate and excel in industries and disciplines requiring embedded systems expertise.

Program Requirements

Practical Microcontrollers Certificate of Completion (Total 108)	
Complete all of the following	**Hours**
ENGR 910 - Introduction to Microcontrollers	54
ENGR 960 - Applications of Microcontrollers	54

Recommended Pathway	
Term 1	**Hours**
ENGR 910 - Introduction to Microcontrollers	54
	Total 54
Term 2	
ENGR 960 - Applications of Microcontrollers	54
	Total 54
	Certificate Total 108

Practical Robotics Cert (Noncredit)

Embark on an exhilarating journey into the dynamic field of robotics with our Certificate of Completion program. This comprehensive curriculum integrates foundational principles from Introduction to Robotics with advanced applications explored in Applications of Robotics. Throughout the program, students delve into robotics components, programming techniques, and project-based learning scenarios, honing their skills in motion, sensing, and competition-oriented challenges. By program completion, students emerge equipped with a robust understanding of robotics technology, prepared to innovate and excel in industries and disciplines leveraging automation and robotics solutions.

Program Requirements

Practical Robotics Cert (Noncredit) (Total 108)	
Complete all of the following	**Hours**
ENGR 905 - Introduction to Robotics	54
ENGR 955 - Applications of Robotics	54

Recommended Pathway	
Term 1	**Hours**
ENGR 905 - Introduction to Robotics	54
	Total 54
Term 2	
ENGR 955 - Applications of Robotics	54
	Total 54
	Certificate Total 108

Associate Degrees

Computer Engineering AS

The Associate in Sciences in Computer Engineering will provide students with a fundamental knowledge of Computer Engineering, to enhance their computational and problem solving skills, sharpen their critical thinking, and to ensure proper preparation for junior level Computer Engineering coursework at a university. Students completing this degree should realize that there are many sub disciplines in Computer Engineering and most require a similar core education, but not all. The requirements for an associate degree in Computer Engineering may be satisfied by completing the courses listed below in addition to the associate degree requirements. (See Graduation/Associate Degree Requirements.)

Program Requirements
Computer Engineering AS (Total 46-47)
Complete all of the following **Units**

Required Courses (Total 37)
Complete all of the following
Calculus Honors Option (Total 5)
Complete the following number of units: 5
MATH 150 - Calculus and Analytic Geometry 5
MATH 150H - Calculus and Analytic Geometry Honors 5
Core Courses (Total 32)
Complete all of the following
CS 150 - Discrete Structures 4
ENGR 230 - Circuit Analysis 4
MATH 160 - Calculus and Analytic Geometry 4
MATH 220 - Linear Algebra 4
MATH 230 - Introduction to Ordinary Differential Equations 4
MATH 250 - Calculus and Analytic Geometry 4
PHYS 110 - General Physics 4
PHYS 120 - General Physics 4

Computer Programming Options (Total 6)
Complete the following number of rules: 1
C++ Programming (Total 6)
Complete all of the following
CS 120 - Programming and Algorithms in C/C++ 3
CS 130 - Data Structures using C++ 3
Java Programming (Total 6)
Complete all of the following
CS 121 - Programming and Algorithms in Java 3
CS 131 - Data Structures using Java 3
Python Programming (Total 6)
Complete all of the following
CS 122 - Programming and Algorithms in Python 3
CS 132 - Data Structures using Python 3

Elective Choices (Total 3 - 4)
Complete the following number of units: 3-4
CS 110 - Introduction to Programming Concepts and Methodologies 3
CS 140 - Assembly Language and Computer Architecture 3
ENGR 110 - Introduction to Engineering 3
ENGR 185 - Digital Logic and Design 4

Recommended Pathway

Term 1 **Units**
Elective Choices (CS 110 ***OR*** ENGR 110) 3
MATH 150 - Calculus and Analytic Geometry 5
AVC GE Area 4 3
AVC GE Area 1A (ENGL C1000) 4
Total 15

Term 2
Computer Programming Options (CS 120 ***OR*** CS 121 ***OR*** CS 122) 3
AVC GE Area 6 3
MATH 160 - Calculus and Analytic Geometry 4
PHYS 110 - General Physics 4
Total 14

Term 3
AVC GE Area 3 3
Total 3

Term 4
MATH 250 - Calculus and Analytic Geometry 4
PHYS 120 - General Physics 4
Computer Programming Options (CS 130 ***OR*** CS 131 ***OR*** CS 132) 3
AVC GE Area 1B 3
Total 14

Term 5
MATH 220 - Linear Algebra 4
MATH 230 - Introduction to Ordinary Differential Equations 4
ENGR 230 - Circuit Analysis 4
CS 150 - Discrete Structures 4
Total 16
Degree Total 62

Electrical Engineering AS

The Associate in Sciences in Electrical Engineering will provide students with a fundamental knowledge of Electrical Engineering, to enhance their computational and problem solving skills, sharpen their critical thinking, and to ensure proper preparation for junior level Electrical Engineering coursework at a university. Students completing this degree should realize that there are many sub disciplines in Electrical Engineering and most require a similar core education, but not all. The requirements for an associate degree in Electrical Engineering may be satisfied by completing the courses listed below in addition to the associate degree requirements. (See Graduation/Associate Degree Requirements.)

Program Requirements
Electrical Engineering AS (Total 35-38)
Complete all of the following

Core Courses (Total 29)
Complete all of the following
Core Course - Calculus Honors Option (Total 5)
Complete the following number of units: 5
MATH 150 - Calculus and Analytic Geometry 5
MATH 150H - Calculus & Analytic Geometry Honors 5
Core Courses (Total 24)
Complete all of the following
ENGR 230 - Circuit Analysis 4
MATH 160 - Calculus and Analytic Geometry 4
MATH 230 - Introduction to Ordinary Differential Equations 4
MATH 250 - Calculus and Analytic Geometry 4
PHYS 110 - General Physics 4
PHYS 120 - General Physics 4

Programming Choice (Total 3 - 4)
Complete the following number of units: 3-4
CS 120 - Programming and Algorithms in C++ 3
CS 121 - Programming and Algorithms in Java 3
CS 122 - Programming and Algorithms in Python 3
ENGR 125 - Programming and Problem-Solving in MATLAB 4

Program Elective (Total 3 - 5)
Complete the following number of units: 3-5
ENGR 110 - Introduction to Engineering 3
ENGR 185 - Digital Logic and Design 4
MATH 220 - Linear Algebra 4
PHYS 211 - General Physics 5

Recommended Pathway	
Term 1	**Units**
AVC GE Area 1B	3
MATH 150 - Calculus and Analytic Geometry	5
AVC GE Area 4	3
AVC GE Area 1A (ENGL C1000)	4
	Total 15
Term 2	
Program Elective (ENGR 185)	4
MATH 160 - Calculus and Analytic Geometry	4
PHYS 110 - General Physics	4
Programming Choice (see list)	3-4
	Total 15-16
Term 3	
MATH 250 - Calculus and Analytic Geometry	4
PHYS 120 - General Physics	4
AVC GE Area 3	3
General Elective	3
	Total 14
Term 4	
ENGR 230 - Circuit Analysis	4
MATH 230 - Introduction to Ordinary Differential Equations	4
AVC GE Area 6	3
General Elective	3
General Elective	2
	Total 16
	Degree Total 60-61

General Engineering AS

The Associate in Science in General Engineering provides students with a broad foundation in the principles of engineering, mathematics, and physical sciences. This degree is designed to support students who are exploring multiple engineering disciplines or who intend to transfer to a university program that does not align precisely with a single engineering track. The program enhances students' problem-solving abilities, critical thinking, and technical skills.

Students completing this degree will be prepared for junior-level coursework in a variety of engineering fields, including but not limited to Mechanical, Aerospace, Electrical, Civil, and Computer Engineering. The curriculum includes core courses common to most engineering transfer programs, allowing students to tailor their education to their interests while remaining within an eligible program of study.

The requirements for an Associate in Science in General Engineering may be satisfied by completing the courses listed below in addition to the associate degree requirements. (See Graduation/Associate Degree Requirements.)

Program Requirements
General Engineering (Total 73)
Complete all of the following

Core Courses (Total 60)
Complete all of the following

ENGR 110 - Introduction to Engineering	3
ENGR 125 - Programming and Problem-Solving in MATLAB	4
ENGR 130 - Materials in Science	4
ENGR 140 - Engineering 3D Graphics	3
ENGR 185 - Digital Logic and Design	4
ENGR 210 - Statistics	4
ENGR 230 - Circuit Analysis	4
CHEM 120 - General Chemistry	5
MATH 160 - Calculus and Analytic Geometry	4
MATH 220 - Linear Algebra	4
MATH 230 - Circuit Analysis	4
MATH 250 - Calculus and Analytic Geometry	4
PHYS 110 - General Physics	4
PHYS 120 - General Physics	4
PHYS 211 - General Physics	5

Calculus I Option (Total 5)
Complete the following number of units: 5

MATH 150 - Calculus and Analytic Geometry	5
MATH 150H - Calculus & Analytic Geometry Honors	5

Chemistry I Option (Total 5)
Complete the following number of units: 5

CHEM 110 - General Chemistry	5
CHEM 110H - General Chemistry - Honors	5

Programming Option (Total 3)
Complete the following number of units: 3-4

CS 120 - Programming and Algorithms in C++	3
CS 121 - Programming and Algorithms in Java	3
CS 122 - Programming and Algorithms in Python	3

Recommended Pathway	
Term 1	**Units**
ENGR 110 - Introduction to Engineering	3
Calculus 1 Option (MATH 150 ***OR*** MATH 150H)	5
AVC GE Area 4	3
AVC GE Area 1A (ENGL C1000)	4
	Total 15
Term 2	
MATH 160 - Calculus and Analytic Geometry	4
PHYS 110 - General Physics	4
ENGR 140 - Engineering 3D Graphics	3
AVC GE Area 1B	3
	Total 14
Term 3	
AVC GE Area 6	3
MATH 250 - Calculus and Analytic Geometry	4
PHYS 120 - General Physics	4
Programming Option (see list)	3
	Total 14
Term 4	
CHEM 110 - General Chemistry	5
ENGR 125 - Programming and Problem-Solving in MATLAB	4
ENGR 185 - Digital Logic and Design	4
AVC GE Area 3	3
	Total 16
Term 5	
ENGR 130 - Materials Science	4
MATH 220 - Linear Algebra	4
CHEM 120 - General Chemistry	5
	Total 13
Term 6	
ENGR 210 - Statistics	4
MATH 230 - Introduction to Ordinary Differential Equations	4
ENGR 230 - Circuit Analysis	4
PHYS 211 - General Physics	5
	Total 17
	Degree Total 89

Mechanical Engineering AS
The Associate in Sciences in Mechanical Engineering will provide students with a fundamental knowledge of Mechanical Engineering, to enhance their computational and problem solving skills, sharpen their critical thinking, and to ensure proper preparation for junior level Mechanical Engineering coursework at a university. Students completing this degree should realize that there are many sub disciplines in Mechanical Engineering and most require a similar core education, but not all. The requirements for an associate degree in Mechanical Engineering may be satisfied by completing the courses listed below in addition to the associate degree requirements. (See Graduation/Associate Degree Requirements.)

Program Requirements
Mechanical Engineering AS (Total 44-45)
Complete all of the following

Required Course- Chemistry Honors Option (Total 5)
Complete the following number of units: 5

CHEM 110 - General Chemistry	5
CHEM 110H - General Chemistry Honors	5

Required Course - Calculus Honors Option (Total 5)
Complete the following number of units: 5

MATH 150 - Calculus and Analytic Geometry	5
MATH 150H - Calculus & Analytic Geometry Honors	5

Required Courses (Total 31)
Complete all of the following

ENGR 125 - Programming and Problem-Solving in MATLAB	4
ENGR 140 - Engineering 3D Graphics	3
ENGR 210 - Statics	4
MATH 160 - Calculus and Analytic Geometry	4
MATH 230 - Introduction to Ordinary Differential Equations	4
MATH 250 - Calculus and Analytic Geometry	4
PHYS 110 - General Physics	4
PHYS 120 - General Physics	4

Core Program Elective (Total 3 - 4)
Complete the following number of units: 3-4

ENGR 110 - Introduction to Engineering	3
ENGR 130 - Materials Science	4

Recommended Pathway

Term 1	**Units**
CHEM 110 - General Chemistry	5
MATH 150 - Calculus and Analytic Geometry	5
ENGR 140 - Engineering 3D Graphics	3
AVC GE Area 6	3
	Total 16
Term 2	
AVC GE Area 1A (ENGL C1000)	4
ENGR 125 - Programming and Problem-Solving in MATLAB	4
MATH 160 - Calculus and Analytic Geometry	4
PHYS 110 - General Physics	4
	Total 16
Term 3	
MATH 230 - Introduction to Ordinary Differential Equations	4
Core Program Elective (ENGR 130)	4
PHYS 120 - General Physics	4
AVC GE Area 3	3
	Total 15
Term 4	
AVC GE Area 4	3
ENGR 210 - Statics	4
MATH 250 - Calculus and Analytic Geometry	4
AVC GE Area 1B	3
	Total 14
	Degree Total 61

Engineering Courses

ENGR 110 INTRODUCTION TO ENGINEERING
3 Units
Total Course Lecture Hours 54
The course explores the branches of engineering, the functions of an engineer, and the industries in which engineers work. The course also explains the engineering education pathways and explores effective strategies for students to reach their full academic potential. An introduction to the methods and tools of engineering problem solving and design including the interface of the engineer with society and engineering ethics are also covered in this course. Students will develop communication skills pertinent to the engineering profession. (C-ID: ENGR 110) (UC, CSU, AVC)

ENGR 125 PROGRAMMING AND PROBLEM-SOLVING IN MATLAB
4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Prerequisite: *Completion of MATH 150.*
This course utilizes the MATLAB environment to provide students with a working knowledge of computer-based problem-solving methods relevant to science and engineering. It introduces the fundamentals of procedural and object-oriented programming, numerical analysis, and data structures. Examples and assignments in the course are drawn from practical applications in engineering, physics, and mathematics. (C-ID: ENGR 220) (CSU, UC, AVC)

ENGR 130 MATERIALS SCIENCE
4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Prerequisite: *Completion of CHEM 110 and PHYS 110.*
This course presents the internal structures and resulting behaviors of materials used in engineering applications, including metals, ceramics, polymers, composites, and semiconductors. The emphasis is upon developing the ability both to select appropriate materials to meet engineering design criteria and to understand the effects of heat, stress, imperfections, and chemical environments upon material properties and performance. This course contains a lab component in which mechanical properties and behaviors will be explored through the use of common mechanical testing techniques. (C-ID: ENGR 140B) (CSU, UC, AVC)

ENGR 140 ENGINEERING 3D GRAPHICS

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of MATH 135 or higher or placement by multiple measures.*
This course covers the principles of engineering designs using computer-aided design (CAD). Topics include the development of visualization skills; mechanical dimensioning and tolerancing practices; and the engineering design process. Assignments develop 2-D and 3-D CAD skills. The use of 3D CAD software is an integral part of the course. (C-ID: ENGR 150) (UC, CSU, AVC)

ENGR 185 DIGITAL LOGIC AND DESIGN

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Prerequisite: *Completion of MATH 140 or placement by multiple measures.*
This course covers the analysis of digital logic principles as well as hands on building and testing of functional projects. Some of the major topics include: Boolean logic, binary arithmetic, logic gates, combinatorial logic, sequential circuits, programmable logic devices, state machines and synchronous state machine design. Students will design combinatorial circuits, flipflops, multivibrators, registers and counters. Standard industry testing methods and equipment are used throughout the course. (CSU, UC, AVC)

ENGR 210 STATICS

4 Units
Total Course Lecture Hours 72
Prerequisite: *Completion of MATH 160 and PHYS 110.*
A first course in engineering mechanics: properties of forces, moments, couples and resultants; two- and three-dimensional force systems acting on engineering structures in equilibrium; analysis of trusses, and beams; distributed forces, shear and bending moment diagrams, center of gravity, centroids, friction, and area and mass moments of inertia. Optional additional topics include fluid statics, cables, Mohr's circle and virtual work. (C-ID: ENGR 130) (CSU, UC, AVC)

ENGR 230 CIRCUIT ANALYSIS

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Advisory: *Completion of ENGR 125.*
Prerequisite: *Completion of PHYS 120 and completion of or concurrent enrollment in MATH 230.*
An introduction to the analysis of electrical circuits. Use of analytical techniques based on the application of circuit laws and network theorems. Analysis of DC and AC circuits containing resistors, capacitors, inductors, dependent sources, operational amplifiers, and/or switches. Natural and forced responses of first and second order RLC circuits; the use of phasors; AC power calculations; power transfer; and energy concepts. (C-ID: ENGR 260 and ENGR 260L) (UC, CSU, AVC)

Engineering Non Credit Courses

ENGR 900 INTRODUCTION TO 3D PRINTING

0 Units
Total Course Lecture Hours 36
Total Course Lab Hours 18
An immersive exploration of 3D printing technology. This course introduces students to the diverse landscape of 3D printers, including Fused Deposition Modeling (FDM), Stereolithography (SLA), and Selective Laser Sintering (SLS). Through a blend of lecture and hands-on lab sessions, students dissect the components of 3D printers, delve into software essentials like firmware and slicers, and explore current trends and innovations. By mastering basic FDM printer operation, from sourcing models to slicing and printing, students gain the foundational skills necessary to navigate the dynamic world of additive manufacturing, positioning them for success in diverse industries and applications. (R unlimited)

ENGR 905 INTRODUCTION TO ROBOTICS

0 Units
Total Course Lecture Hours 36
Total Course Lab Hours 18
This course blends theory with hands-on experience using robotics kits. Students delve into essential robotics components such as main boards, frames, sensors, and motors, gaining insight into power delivery systems crucial for robot functionality. Through a combination of lectures and lab sessions, students explore introductory programming concepts, including block coding and script coding, to facilitate simple motion and sensing capabilities in their robots. Engaging in introductory projects focused on motion and sensing, students apply their newfound knowledge in practical scenarios, honing their problem-solving skills and laying the groundwork for future advancements in robotics. (R unlimited)

ENGR 910 INTRODUCTION TO MICROCONTROLLERS

0 Units
Total Course Lecture Hours 36
Total Course Lab Hours 18
Advisory: *Completion of CS 110, CS 120, CS 121, or CS 122.*
This course offers hands-on experience with Arduino microcontrollers, empowering students to unleash their creativity in hardware development. Through a blend of lectures and lab sessions, students explore essential topics such as breadboarding, wiring, pins, connectors, jumpers, LEDs, servos, and power delivery, laying the groundwork for understanding microcontroller architecture and functionality. Additionally, students learn soldering techniques for wire and board connections, enhancing their practical skills in hardware assembly and modification. Delving into microcontroller fundamentals, students gain insights into function, components, and power delivery mechanisms, paving the way for advanced project development. With a focus on introductory programming, students explore language choices and fundamental constructs in Arduino, including syntax, variables, expressions, control structures, and functions, enabling them to bring their hardware projects to life through code. By the end of the course, students emerge equipped with the knowledge and skills to embark on exciting microcontroller-based projects. (R unlimited)

ENGR 911 EXCEL FOR SCIENCE AND ENGINEERING

0 Units

Total Course Lecture Hours 54

In the data driven realms of science and engineering, proficiency in Excel is paramount. This course equips students with the essential skills to leverage Excel's power in data organization, analysis, and visualization, vital for addressing complex challenges in science and engineering. Through hands-on learning, students master spreadsheet design, Excel functions, and advanced techniques tailored to scientific and engineering contexts. They learn to manipulate datasets, conduct statistical analysis, and create insightful visualizations crucial for experimentation, system design, and process optimization. Additionally, students delve into Visual Basic for Applications (VBA), enabling them to automate tasks and customize Excel. By course end, students emerge equipped to make informed decisions, drive innovation, and excel in their scientific and engineering endeavors. (R unlimited)

ENGR 950 APPLICATIONS OF 3D PRINTING

0 Units

Total Course Lecture Hours 36

Total Course Lab Hours 18

Prerequisite: *Completion of ENGR 900.*

Building upon the foundational knowledge gained in ENGR 900, this course offers an in-depth exploration of advanced applications in 3D printing. Through a combination of lecture and hands-on lab sessions, students delve into the intricacies of Fused Deposition Modeling (FDM) printers, mastering advanced slicing techniques and exploring capabilities such as multicolor and multi-material printing. Students undergo project-based learning, where they apply their skills to real-world scenarios, fostering creativity and problem-solving. By the end of this course, students emerge with the expertise and confidence to leverage 3D printing technology for a wide range of applications, from prototyping and product design to customized manufacturing and beyond. (R unlimited)

ENGR 955 APPLICATIONS OF ROBOTICS

0 Units

Total Course Lecture Hours 36

Total Course Lab Hours 18

Prerequisite: *Completion of ENGR 905.*

Building upon the foundational knowledge established in the introductory course, this course offers a deeper exploration into the practical applications of robotics. Students delve into advanced programming and scripting techniques tailored to robotics kits, focusing on refining motion and sensing capabilities. Through a combination of lectures and hands-on lab sessions, students engage in project-based learning, tackling challenges related to motion, sensing, and even competition scenarios. By the end of the course, students emerge equipped with the skills and experience to apply robotics technology creatively and effectively in real-world contexts, setting the stage for innovative contributions to the field of robotics. (R unlimited)

ENGR 960 APPLICATIONS OF MICROCONTROLLERS

0 Units

Total Course Lecture Hours 36

Total Course Lab Hours 18

Prerequisite: *Completion of ENGR 910.*

Building upon the foundational knowledge acquired in the introductory course, this course delves deeper into the practical applications of Arduino microcontrollers, preparing students for the Arduino Certification Exam. Students explore advanced programming concepts, including syntax, variables, expressions, control structures, and functions, essential for mastering microcontroller development. Through a combination of lectures and lab sessions, students engage in hands-on projects focused on sensors, automation, and integration with other languages, providing practical experience in real-world applications. By the end of the course, students emerge equipped with the skills and confidence to tackle complex microcontroller projects, paving the way for success in their academic and professional pursuits. (R unlimited)

Department Description

"English" includes the study of reading, writing, and literature. Reading and writing are skills absolutely essential to success in college or on the job. The study of literature is valuable in developing critical reading and thinking skills, acquainting students with a vital element of their cultural heritage, and fostering intellectual growth and maturity.

Writing courses range from essay composition to creative writing to technical writing. The literature program provides survey courses in English, American and World Literature; studies in fiction; and courses that explore culture and ethnic diversity, such as African American literature.

Program Learning Outcomes

English AA-T

1. Students in program courses will enter and participate in the academic community by first understanding the impact of professional discourse, the role of rhetoric, and the function of research.
2. Students in program courses will demonstrate the ability to access, read, interpret, analyze, and evaluate textual materials across traditions, genres, and media, with critical attention to both diversity and complexity.
3. Students in program courses will develop both an awareness of different audiences and the persuasive skills needed to deliver effective written arguments and verbal presentations.

Certificate Program

Certificate not applicable.

Associate Degree

English AA-T

The Associate in Arts in English for Transfer (AA-T) degree offers students a program of study exploring the cultural aspects and aesthetic features of textual expression. Authorial persona and performance, reader response and interpretation, literary traditions, critical approaches, and interdisciplinary analyses are some of the contexts studied. Students will enhance their own expressive and reasoning abilities as they examine the social role and impact of narrative, expository, and visual texts.

The Associate in Arts in English for Transfer (AA-T in English) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses but do not exclude admittance to other colleges or universities. To earn the Associate in Arts in English for Transfer (AA-T in English) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
English AA-T (Total 18)
Complete all of the following **Units**

Required Courses (Total 6)
Complete the following number of units: 6
ENGL C1002 or ENGL C1002H (Total 3)
Complete the following number of units: 3

ENGL C1002 - Introduction to Literature	3
ENGL C1002H - Introduction to Literature - Honors	3

ENGL C1001 or ENGL C1001H (Total 3)
Complete the following number of units: 3

ENGL C1001 - Critical Thinking and Writing	3
ENGL C1001H - Critical Thinking and Writing - Honors	3

Required Electives A (Total 6)
Complete the following number of units: 6

ENGL 221 - American Literature 1400-1865	3
ENGL 222 - American Literature 1865-Present	3
ENGL 225 - English Literature 800-1750	3
ENGL 227 - English Literature 1750-Present	3
ENGL 230 - World Literature 1	3
ENGL 231 - World Literature 2	3

Required Electives B (Total 3)
Complete the following number of units: 3
OR Any LIST A course not already used.

ENGL 114 - Creative Writing	3

Required Electives C (Total 3)
Complete the following number of units: 3
OR Any LIST A or B course not already used.

ENGL 235 - Shakespeare and Culture	3
ENGL 242 - Studies in Fiction	3
ENGL 253 - African American Literature	3
ENGL 253H - African American Literature Honors	3
ENGL 256 - Latinx/e Literature	3
ENGL 257 - Ethnic Studies: Native American Studies in Literature	3
ENGL 259 - Gender and Literature	3
ENGL 265 - Film and Literature	3
ENGL 279 - Science Fiction and Dystopian Literature	3

Recommended Pathway

Term 1	**Units**
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 2 (MATH 110)	3
Cal-GETC GE Area 3A (ART 100)	3
Cal-GETC GE Area 1A (ENGL C1000)	4
General Elective	1
	Total 14
Term 2	
Cal-GETC GE Area 3B (ENGL 222)	3
Cal-GETC GE Area 1B (ENGL C1002)	3
Required Electives A (ENGL 231)	3
Cal-GETC GE Area 5A (GEOL 101)	3
Cal-GETC GE Area 4 (POLS C1000)	3
	Total 15

Term 3

Required Electives A (ENGL 221)	3
Cal-GETC GE Area 5B (ANTH 101)	3
Cal-GETC GE Area 5C (ANTH 101L)	1
ENGL C1001 - Critical Thinking and Writing	3
Cal-GETC GE Area 6 (ENGL 257)	3
Cal-GETC GE Area 4 (PSYC C1000)	3
Total	**16**

Term 4

Required Electives B **(**see list)	3
General Elective	3
General Elective	3
General Elective	3
General Elective	3
Total	**15**
Degree Total	**60**

English Courses

ENGL 114 CREATIVE WRITING

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or ENGL C1000H*

This course provides an introduction to the craft of creative writing through the study and analysis of the works of established and peer writers. Students will practice writing in various genres and will be introduced to the workshop method. (CSU, AVC)

ENGL 115 INTRODUCTION TO TECHNICAL COMMUNICATION

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 (ENGL 101).*

This advanced composition course gives students instruction and practice in skills particular to writing in technical and professional fields. Students will develop their critical awareness of audience and audience-specific language use, as they become familiar with forms specific to technical environments, such as report writing, process analysis, charts, graphs, other presentations of numerical data, instruction manuals, and data analysis. While practicing critical thinking and writing skills, students will learn to analyze important details about technical writing situations, compose according to the results of their analysis, and learn to write in working groups, with special attention to logic and clarity. (CSU, AVC)

ENGL 221 AMERICAN LITERATURE 1400-1865

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or ENGL C1000H.*

The concentration of this course is on the voices and perspectives of Native peoples, European explorers, and Americans, from 1400-1865. Students are introduced to some of the historical, cultural, religious, and social issues which helped shape the ideas of the times, including the ideas of the early Spanish and British settlers and the Enlightenment Rationalists and Empiricists of the 18th Century. Students also critically explore literary and cultural movements of the 19th Century, such as Romanticism, Symbolism, and Transcendentalism. This survey is characterized by critical thinking, close textual reading, and analytical writing. (C-ID: ENGL 130) (UC, CSU, AVC)

ENGL 222 AMERICAN LITERATURE 1865-PRESENT

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or C1000H.*

The concentration of this course is on the poetry, prose, and drama produced by Americans from 1865 to the present. Included is an introduction to some of the historical, cultural, religious, and social issues which helped shape the ideas and ideologies of the times, including literary and cultural movements such as Naturalism, Realism, Modernism, and Postmodernism. This survey emphasizes critical thinking, close textual reading, and analytical writing. (C-ID: ENGL 135) (UC, CSU, AVC)

ENGL 225 ENGLISH LITERATURE 800-1750

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or C1000H.*

This course examines British literature from the Anglo-Saxon period to the early Neoclassical. Texts from a diverse range of poetry, plays, and prose are analyzed and connected to their original historical and cultural contexts, and explored in relation to more recent history and contemporary interpretations. This survey highlights critical thinking, close textual reading, and analytical writing. (C-ID: ENGL 160) (UC, CSU, AVC)

ENGL 227 ENGLISH LITERATURE 1750-PRESENT

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or ENGL C1000H.*

This course surveys British literature from the late 18th Century to contemporary British and Postcolonial texts, examining the richly diverse texts produced by an expanding global, linguistic community. A range of texts including poetry, prose, and drama is discussed in relation to cultural movements and periods (Romantic, Victorian, Modernist, and Postmodernist) and historical and political contexts, such as the rise of industrialism and the rise and fall of colonialism. This survey is characterized by critical thinking, close textual reading, and analytical writing. (C-ID: ENGL 165) (UC, CSU, AVC)

ENGL 230 WORLD LITERATURE 1

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or C1000H.*

This course surveys global works of literature, with an emphasis on literature in translation. Students read, discuss, and write critically about drama, poetry, and narrative dating from the ancient world to 1650. They are introduced to contemporary academic scholarship surrounding World Literature, and also learn about, and apply, rhetorical and literary-critical methods for reading it. As literature generally in translation, course material is reflected upon, not just in its historical context, but in its appropriation, over time and space, by subsequent readers, writers, artists, translators, and filmmakers. (C-ID: ENGL 140) (UC, CSU, AVC)

ENGL 231 WORLD LITERATURE 2

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or C1000H.*

This course surveys works of global literature and culture, from 1650 to the present. Students read and write critically as they engage texts, often through translations, and also learn about, and apply, academic methods of inquiry. How other readers, as well as critics, writers, artists, translators, and filmmakers, appropriate, interact with, and find artistic inspiration in the material studied will be a focus of this survey, which seeks to promote a culturally aware and critically astute community of learners. (C-ID: ENGL 145) (UC, CSU, AVC)

ENGL 235 SHAKESPEARE AND CULTURE

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or C1000H.*

This course highlights the works of William Shakespeare, focusing on representative plays with emphasis upon their linguistic artistry, their connection to his poetic works, and their impact on culture. Students explore historical contexts (Shakespeare's life; the philosophical, aesthetic, cultural, and sociological realities of the Elizabethan age; the conventions of its theatre) as well as the relevance of Shakespeare's work to today's audiences. The course provides many opportunities for critical analysis, through reading, writing, class discussions, and the viewing of relevant films. (UC, CSU, AVC)

ENGL 242 STUDIES IN FICTION

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or C1000H.*

The course is designed to familiarize students with narrative fiction as a literary art form and as a form of cultural expression. Students gain a critical awareness of the historical, social, and ideological issues that helped shape or are reflected in the fiction selected, including literary and cultural movements such as Realism, Naturalism, Modernism, Existentialism and/or Postmodernism. Readings are explored through, and enhanced by, class discussions, critical theory, and filmic interpretations, as students consider the vital role that narrative has played in the human experience. (UC, CSU, AVC)

ENGL 253 AFRICAN AMERICAN LITERATURE

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or C1000H.*

This course surveys the literary, social, and cultural aspects of African American novels, drama, short stories, essays, and poetry, with a concentration on material from the last century to the present, and its relevance to the many histories, writings, and voices that have both shaped and reflected African American experiences. How African Americans see and portray themselves, and how they are seen and portrayed by others, in relation to the dominant Western culture, to issues of racism and sexism, and to the themes of identity, representation, and social power, will be critically explored. (UC, CSU, AVC)

ENGL 253H AFRICAN AMERICAN LITERATURE HONORS

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or C1000H.*

This honors course, intended for students in the Honors Transfer Program, surveys the literary, social, and cultural aspects of African American novels, drama, short stories, essays, and poetry, with a concentration on material from the last century to the present, and its relevance to the many histories, writings, and voices that have both shaped and reflected African American experiences. How African Americans see and portray themselves, and how they are seen and portrayed by others, in relation to the dominant Western culture, to issues of racism and sexism, and to the themes of identity, representation, and social power, will be critically explored. The honors course provides more content and requires greater intensity and depth of study than the non-honors class (UC, CSU, AVC). Note: Students may take either ENG 253 African American Literature or ENG 253H African American Literature Honors. Duplicate credit will not be awarded.

ENGL 256 LATINX/E LITERATURE

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or C1000H.*

This course introduces students to the literary, social, and cultural aspects of novels, short stories, essays, poetry, and theater, reflecting the diverse range of Latinx/e experiences. The course emphasizes both difference and inclusivity, as it explores the ways in which cultural identity, in conjunction with the languages and literary forms of American cultures, gives rise to both unique and varied literature. Issues of racism, sexism, and borderland and national identity create a framework for the analysis of the selected works. (UC, CSU, AVC)

ENGL 257 ETHNIC STUDIES: NATIVE AMERICAN STUDIES IN LITERATURE

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL 101.*

Equivalency: *Same course as ETHN 257EN.*

This course focuses on ethnic studies and provides students an overview of the Native American experience in the United States by critically exploring the social, cultural, political, and economic history through literature. Students will critically analyze the ways that Native American cultural identities and literature challenge, complicate, and reinvent the languages and literary forms of dominant American culture, emphasizing Native American survival, sovereignty, and resistance through the oral and written traditions of American indigenous peoples. (UC, CSU, AVC)

ENGL 259 GENDER AND LITERATURE

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or ENGL C1000H.*

This course gives students practice in the reading and analysis of gender, as constructed and reinforced by cultural context. Through close study of various literary genres and forms of media, students will explore and discuss the entrenched, contested, and emerging signifiers of gender, their relation to the study of various ethnic groups and their interactions, as well as the complexities inherent in the study of any human group via its depiction in literature and critical theory. (UC, CSU, AVC)

ENGL 265 FILM AND LITERATURE

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or C1000H.*

This course examines film as a cultural expression as well as an artistic form that can be analyzed alongside the structural, aesthetic, and rhetorical features of literary works. Students will view selected films, read literary texts that relate to or serve as source material for these films, utilize applicable critical materials, and respond through academic discussions, analytical essays, and research-based assignments. Students will gain a deeper and more nuanced understanding of both film and literature as art forms, as well as gaining insight into the contexts that enrich, inform, and help explain the cultural appeal and power of visual narrative and storytelling. (UC, CSU, AVC)

ENGL 279 SCIENCE FICTION AND DYSTOPIAN LITERATURE

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or C1000H.*

This course is focused on literary works and forms of media that depict futuristic worlds, visionary scientific endeavor, and conflicts between humans, aliens, and sentient technology. Students will explore the history, emerging trends, and contemporary issues in science fiction, including power and ethics, paradigms of reality, and human psychology in a futuristic environment, as well as examples of dystopic fiction and art that relate to or comment on social issues and events of the present. (UC, CSU, AVC)

ENGL 315 APPLIED TECHNICAL WRITING

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be enrolled in an AVC bachelor's degree program to take this course.*

Prerequisite: *Completion of ENGL 115.*

Building on skills learned in the lower division technical writing course, this course provides extended, guided practice and instruction in understanding and writing for multiple audiences and multiple purposes in a technical environment. Students will develop skills in language choice as an aid to clarity, and students will learn principles of document design in both digital and conventional communication situations. Students will learn advanced research techniques and strategies while working on extended writing projects. Learning to work on multi-staged, collaborative projects will be central to this course. (CSU, AVC)

ENGL C1000 ACADEMIC READING AND WRITING

4 Units

Total Course Lecture Hours 72

Prerequisite: *Placement as determined by the college's multiple measures assessment process.*

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research.

ENGL C1000 empowers students to explore texts and ideas from a variety of diverse voices and to enter into conversations with creative thinkers, scholars, and global citizens. Students in ENGL C1000 have many opportunities for extra support, including supplemental learning assistance provided by visiting The Learning Center. Formerly ENGL 101 (C-ID: ENGL 100) (UC, CSU, AVC)

ENGL C1000H ACADEMIC READING AND WRITING - HONORS

4 Units

Total Course Lecture Hours 72

Prerequisite: *Placement as determined by the college's multiple measures assessment process.*

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This is an honors course.

ENGL C1000 empowers students to explore texts and ideas from a variety of diverse voices and to enter into conversations with creative thinkers, scholars, and global citizens. Students in ENGL C1000 have many opportunities for extra support, including supplemental learning assistance provided by visiting The Learning Center. This is an honors course, intended for students in the Honors Transfer Program. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. Formerly ENGL 101H (C-ID: ENGL 100) (UC, CSU, AVC) Note: Students may take either ENGL C1000 Academic Reading and Writing or ENGL C1000H Academic Reading and Writing - Honors. Duplicate credit will not be awarded.

ENGL C1001 CRITICAL THINKING AND WRITING

3 Units

Total Course Lecture Hours 54

Prerequisite: *College-level composition (ENGL C1000/ ENGL C1000H/ ENGL C1000E/C-ID ENGL 100) or equivalent.*

In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 Academic Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. Formerly ENGL 103 (C-ID: ENGL 105) (UC, CSU, AVC)

ENGL C1001H CRITICAL THINKING AND WRITING - HONORS

3 Units

Total Course Lecture Hours 54

Prerequisite: *College-level composition (ENGL C1000/ENGL C1000H/ENGLC1000E/C-ID ENGL 100) or equivalent.*

In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 College Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. This is an honors course.

This honors course is intended for students in the Honors Transfer Program. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. Formerly ENGL 103H (C-ID: ENGL 105) (UC, CSU, AVC) Note: Students may take either ENGL C1001 Critical Thinking and Writing or ENGL C1001H Critical Thinking and Writing - Honors. Duplicate credit will not be awarded.

ENGL C1002 INTRODUCTION TO LITERATURE

3 Units

Total Course Lecture Hours 54

Prerequisite: *Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.*

In this course, students are introduced to works by diverse authors and major literary genres, developing close reading and analytical writing skills. Students also develop appreciation for and critical understanding of the cultural, historical, and aesthetic qualities of literature.

This course uses literature and literary criticism as the basis for sustained instruction and practice in critical reasoning, inquiry-driven research, and academic argumentative writing. Students evaluate claims, evidence, assumptions, counterarguments, and rhetorical strategies in literary texts, scholarly criticism, and cultural commentary. Through drafting, peer response, revision, and research-based writing, students develop and refine academic arguments supported by textual evidence and secondary sources. Formerly ENGL 102 (C-ID: ENGL 120) (UC, CSU, AVC)

ENGL C1002H INTRODUCTION TO LITERATURE - HONORS

Prerequisite: *Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.*

In this course, students are introduced to works by diverse authors and major literary genres, developing close reading and analytical writing skills. Students also develop appreciation for and critical understanding of the cultural, historical, and aesthetic qualities of literature. This is an honors course.

This honors course uses literature and literary criticism as the basis for advanced instruction and practice in critical reasoning, inquiry-driven research, and academic argumentative writing. In addition to the requirements of the non-honors course, honors students complete advanced scholarly reading, seminar-style discussion, and a longer research-based argumentative project. Students evaluate claims, evidence, assumptions, counterarguments, and rhetorical strategies in literary texts, scholarly criticism, and cultural commentary.

Honors work emphasizes the development and refinement of sustained academic arguments through drafting, peer response, revision, source evaluation, and formal written or oral defense of an interpretive position. Students engage multiple literary perspectives and critical approaches while producing research-supported arguments that demonstrate analytical depth, academic discourse, and effective documentation. Formerly ENGL 102H (C-ID: ENGL 120) (UC, CSU, AVC) Note: Students may take either ENGL C1002 Introduction to Literature or ENGL C1002H Introduction to Literature-Honors. Duplicate credit will not be awarded.

English Non Credit Courses

ENGL 900 WRITING SUPPORT

0 Units

Total Course Lecture Hours 18

This support course is designed to assist students in different college writing environments. It emphasizes the skills needed for expressing ideas effectively and confidently, whether in sentence, paragraph, or essay form, with attention to grammatical and mechanical aspects of writing. ENGL 900 is one of four course options for the certificate "College Readiness - Reading and Writing. "NOTE: No grade will be given for this class; student will receive “pass” or “no pass” only. (R unlimited)

ENGL 901 WRITING PRACTICE

0 Units

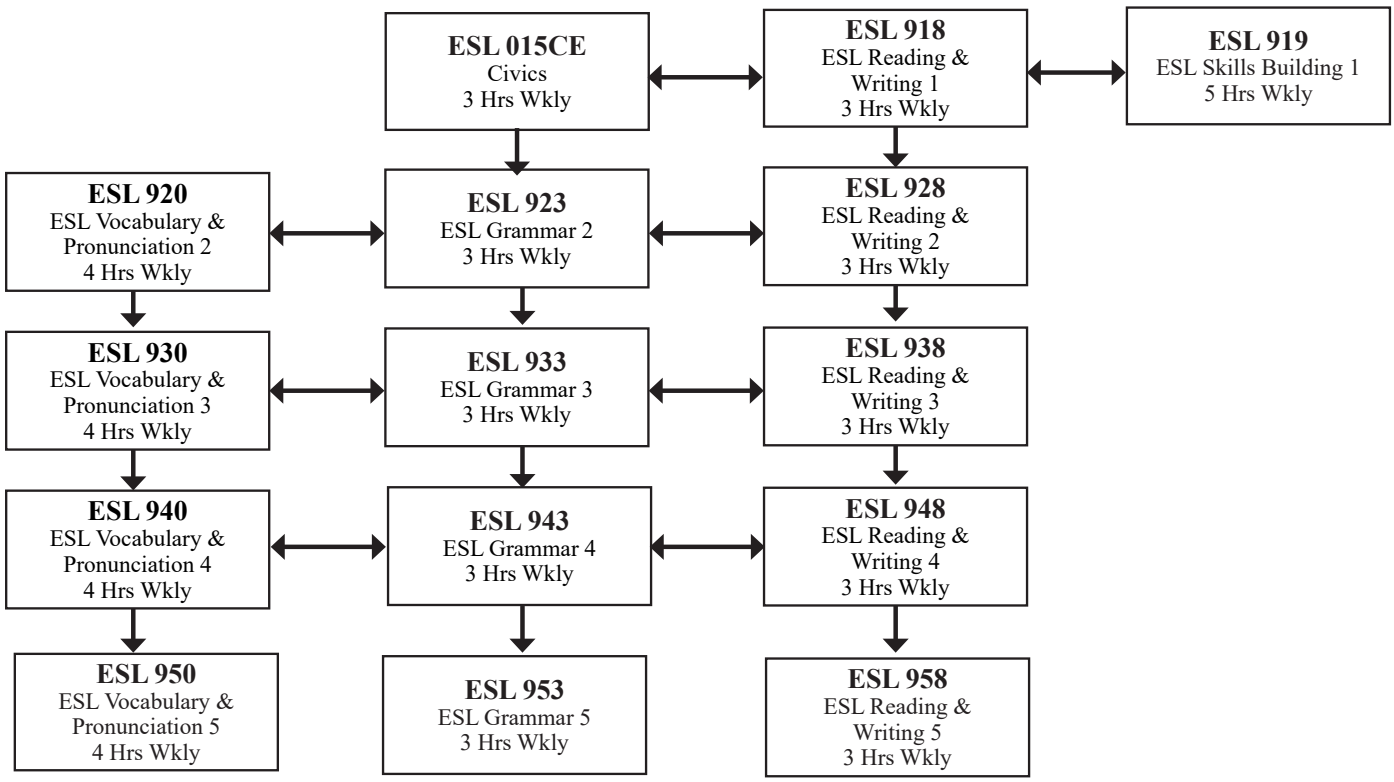
Total Course Lecture Hours 18

Corequisite: *Concurrent enrollment in ENGL C1000 (ENGL 101).*

This supplemental writing course is designed to support instruction in ENGL C1000 (ENGL 101), offering practice and application of the skills needed for expressing ideas effectively and confidently in academic settings. Students will reflect on their writing practices to figure out what strategies work best for them. NOTE: No letter grade will be given for this course; students will receive only "pass" or "no pass." (R unlimited)

ENGLISH AS A SECOND LANGUAGE (ESL) COURSE SEQUENCES AND PREREQUISITES

Before Registration:
These courses are numbered by level (example, 20-28 for Level 2, 30-38 for Level 3, etc.). Students will have the best success if they take only courses at their level. To find out which of the five ESL levels is the best for you, please go to the Counseling Office for assessment, advisement, and initial placement.



ESL courses are <u>not</u> transferable to CSU or UC and are <u>not</u> degree applicable.

1. Students are advised to consult with a counselor when selecting ESL courses.
2. All ESL courses are noncredit and no cost.
3. Students enrolled in ESL 948 and ESL 958 must already have adequate grammar skills.
4. ESL 919 Skills Building is an introductory integrated skills course in which students practice their listening, speaking, reading, writing, vocabulary, grammar, and pronunciation skills.

Department Description

The English as a Second Language program is designed to enable non-native speakers to improve English speaking, listening, reading, and writing skills. These free, non-credit courses serve students, adults, and professionals who want to improve their language skills or focus on a specific aspect of English (such as grammar, conversation, or academic writing). The ESL program offers five levels with the opportunity to earn a High Intermediate Certificate of Completion and an Advanced Certificate of Competency. Students are encouraged to take the ESL Guided Self-Placement Survey and meet with a counselor to find the appropriate level of instruction before they register for classes. www.avc.edu/esl

Program Learning Outcomes

Advanced ESL Certificate (Noncredit)

1. Recognize aurally and orally produce the segmental, suprasegmental, and lexical components of advanced level ESL.
2. Produce written and/or oral discourse using proper grammar and parts of speech, demonstrating literacy skills of advanced level ESL.

High Intermediate ESL Cert (Noncredit)

1. Recognize aurally and orally produce the segmental, suprasegmental, and lexical components of high-intermediate English.
2. Produce written and/or oral discourse using proper grammar and parts of speech, demonstrating literacy skills at the high-intermediate level of English.

Certificate Programs

Advanced ESL (Noncredit)

The Advanced ESL Certificate of Competency is awarded to ESL students who successfully complete the three Level 5 ESL courses (ESL 950P, ESL 953, and ESL 958).

The advisory skills are those of the three Level 4 courses (ESL 940, ESL 943, and ESL 948), which include: aural recognition and oral production of high-intermediate vocabulary in written and/or oral discourse; aural recognition and oral production of high-intermediate vowel and consonant segments, as well as the suprasegmentals of stress, intonation, reductions, and linking; production of a high-intermediate written and/or oral discourse using the past, present, and future tenses combined with the simple, progressive and perfect aspects, including both active and passive voices; production of written and/or oral discourse using a variety of pronoun forms (including reflexives and reciprocals); production of a written and/ or oral discourse using a variety of gerunds, infinitives, and articles; reading comprehension of an intermediate level text; written and oral (in preparation for courses like COMM C1000 proficiency of a complete essay (300 words and five paragraphs) in an interactive (dialogue), descriptive (simple present tense), narrative (past tense), or expository (imperative) style.

Program Requirements
Required Courses (Total 180)

Complete all of the following	Hours
ESL 950 - ESL Vocabulary and Pronunciation 5	72
ESL 953 - ESL Grammar 5	54
ESL 958 - ESL Reading and Writing 5	54

Recommended Pathway

Take courses together or in separate terms. All three must be completed for certificate.

Term 1	Hours
ESL 950 - ESL Vocabulary and Pronunciation 5	72
ESL 953 - ESL Grammar 5	54
ESL 958 - ESL Reading and Writing 5	54
Total 180	
Certificate Total 180	

High Intermediate ESL (Noncredit)

The goal of the High Intermediate ESL Certificate of Competency is to recognize ESL students who have successfully completed Level 4 (High-Intermediate) and mark their preparation for subsequent academic and advanced ESL Level 5 classes, and other transfer courses.

The High Intermediate ESL Certificate of Competency meets AVC's mission by targeting members of its diverse community of immigrant and international non-native English language users.

The objectives of this certificate include: aural recognition and oral production of high-intermediate (academic) vocabulary in written and/or oral discourse; aural and oral production of high-intermediate vowel and consonant segments, as well as the suprasegmentals of stress, intonation, reductions, and linking; production of advanced written and/or discourse using the past, present, and future tenses combined with the simple, progressive, and perfect aspects in both the active and passive voice; production of a basic written and/or oral discourse using past modals, adjective clauses, noun clauses, and conditional clause; production of a basic written and/or oral discourse using a phrasal verbs and indirect speech forms; reading comprehension of high-intermediate level text; writing of a complete essay (200 words and 5 paragraphs) in an interactive (dialogue), descriptive (simple present tense), narrative (past tense), expository (opinion), or procedural/hortatory style.

The High Intermediate ESL Certificate of Competency is awarded to ESL students who successfully complete the three Level 4 ESL courses (ESL 040, ESL 043, and ESL 048) and at least one of the nine electives from the previous three levels.

Program Requirements
High Intermediate ESL Cert (Total 0)

Complete all of the following	Hours
Required Courses (Total 0)	
Complete the following number of hours: 0	
ESL 040 - ESL Vocabulary & Pronunciation 4	0
ESL 043 - ESL Grammar 4	0
ESL 048 - ESL Reading and Writing 4	0
Program Electives : Choose one course (Total 0)	
Complete the following number of hours: 0	
ESL 015CE - Civics	0
ESL 018 - ESL Reading and Writing 1	0
ESL 019 - ESL Skills Building 1	0
ESL 020 - ESL Vocabulary & Pronunciation 2	0
ESL 023 - ESL Grammar 2	0
ESL 028 - ESL Reading and Writing 2	0
ESL 030 - ESL Vocabulary & Pronunciation 3	0
ESL 033 - ESL Grammar 3	0
ESL 038 - ESL Reading and Writing 3	0

Recommended Pathway	
Term 1	**Hours**
Program Electives (see list)	0
	Total 0
Term 2	
ESL 040 - ESL Vocabulary & Pronunciation 4	0
ESL 043 - ESL Grammar 4	0
ESL 048 - ESL Reading and Writing 4	0
	Total 0
	Certificate Total 0

English As A Second Language Non Credit Courses

ESL 015CE CIVICS

0 Units

Total Course Lecture Hours 54

Intended for beginning high to intermediate low English Language Learners. Designed to introduce students to the United States naturalization process, and instruction in United States history, and government. Students will be able to identify the basic naturalization interview skills necessary to become a citizen and communicate in standard American English in academic, professional and life skills situations. (R unlimited)

ESL 918 ESL READING AND WRITING 1

0 Units

Total Course Lecture Hours 54

This introductory level reading and writing course is designed for students whose first language is not English. Emphasis is on the development of literal reading skills. Focus is also on building students' written vocabulary and grammar. Students are expected to be literate and have proficiency in simple everyday English skills and vocabulary before entering this course. NOTE: No grade will be given for this class; student will receive "pass" or "no pass" only. (R unlimited)

ESL 919 ESL SKILLS BUILDING 1

0 Units

Total Course Lecture Hours 90

This is an introductory level integrated skills course for non-native speakers of English. Concentration is on both oral and written abilities as students develop and improve their reading, writing, listening, speaking, vocabulary, grammar, and pronunciation skills in the English language. This class provides students with an opportunity to learn, practice, and improve their English language skills through drills, communicative group, and pair work, practice activities, theme-based learning, lecture, and project work. Students are expected to be literate and have proficiency in simple everyday English skills and vocabulary before entering this course. NOTE: No grade will be given for this class; student will receive "pass" or "no pass" only. (R unlimited)

ESL 920 ESL VOCABULARY AND PRONUNCIATION 2

0 Units

Total Course Lecture Hours 72

This basic pronunciation and vocabulary course is designed to help the non-native speaker of English recognize and produce the unique segmental (consonant and vowel) and suprasegmental (stress, linking, reductions, and intonation) features of American-English and build basic vocabulary skills. Strategies for self-monitoring pronunciation and becoming self-sufficient in acquiring high-frequency vocabulary items are also taught. NOTE: No grade will be given for this class; student will receive "pass" or "no pass" only. (R unlimited)

ESL 923 ESL GRAMMAR 2

0 Units

Total Course Lecture Hours 54

This is a basic grammar skills course designed for non-native speakers of English. Students are introduced to and practice basic verb tenses and aspects, as well as other basic level grammatical structures (e.g., question forms, count/non-count nouns, prepositions, adjectives, adverbs, imperatives, modals). This class concentrates on teaching basic grammar through lecture, drills, communicative activities, and practice exercises. Students apply the new structures in oral and written expression through oral drills and a series of guided writing and editing activities. NOTE: No grade will be given for course; student will receive “pass” or “no pass” only. (R unlimited)

ESL 928 ESL READING AND WRITING 2

0 Units

Total Course Lecture Hours 54

Advisory: *Completion of ESL 918 or Eligibility for ESL 928.*

This basic level reading and writing course is designed for students whose first language is not English. Emphasis is on the development of literal and inferential reading skills. Focus is also on building students' writing including extensive practice at the sentence level and up to the paragraph level with attention given to simple, compound, and complex sentences in the past, present, and future tenses. NOTE: No grade will be given for this class; student will receive "pass" or "no pass" only. (R unlimited)

ESL 930 ESL VOCABULARY AND PRONUNCIATION 3

0 Units

Total Course Lecture Hours 72

Advisory: *Completion of ESL 920 or readiness for ESL 930.*

This low-intermediate pronunciation and vocabulary course is designed to help the non-native speaker of English recognize and produce the unique segmental (consonant and vowel) and suprasegmental (stress, linking, reductions, and intonation) features of American-English and build basic vocabulary skills. Strategies for self-monitoring pronunciation and becoming self-sufficient in acquiring high-frequency vocabulary items are also taught. NOTE: No grade will be given for this class; student will receive "pass" or "no pass" only. (R unlimited)

ESL 933 ESL GRAMMAR 3

0 Units

Total Course Lecture Hours 54

Advisory: *Completion of ESL 923 or readiness for ESL 933.*

This is a low-intermediate grammar skills course designed for non-native speakers of English. Students learn low-intermediate grammar (e.g., verb tense & aspect, pronouns, modals, adjectives & adverbs, gerunds & infinitives, articles) through lecture, drills, communicative activities, and practice exercises. Students apply the new structures in oral and written expression through oral drills and a series of guided writing and editing activities. Students entering this course should have already mastered the basic verb tense and aspect forms. Note: No grade will be given for this class; student will receive "pass" or "no pass" only. (R unlimited)

ESL 938 ESL READING AND WRITING 3

0 Units

Total Course Lecture Hours 54

Advisory: *Completion of ESL 928 or readiness for ESL 938.*

This low-intermediate reading and writing course is designed for students whose first language is not English. Emphasis is on the development of inferential reading skills and identifying the writer's point of view and style or writing. Focus is also on building students' writing including extensive practice at the paragraph level and up to the essay level with attention given to writing in a variety of styles. NOTE: No grade will be given for this class; student will receive "pass" or "no pass" only. (R unlimited)

ESL 940 ESL VOCABULARY AND PRONUNCIATION 4

0 Units

Total Course Lecture Hours 72

Advisory: *Completion of ESL 930 or readiness for ESL 940 .*

This high-intermediate pronunciation and vocabulary course is designed to help the non-native speaker of English to better recognize and produce segmentals (consonants and vowels) with special attention given to the suprasegmental features (stress, linking, reductions, and intonation) of American-English. Focus is also on academic and idiomatic vocabulary building skills. Strategies for self-monitoring pronunciation and becoming self-sufficient in acquiring high-frequency vocabulary items are also taught. NOTE: No grade will be given for this course; student will receive "pass" or "no pass" only. (R unlimited)

ESL 943 ESL GRAMMAR 4

0 Units

Total Course Lecture Hours 54

Advisory: *Completion of ESL 933 or readiness for ESL 943.*

This is a high-intermediate grammar skills course designed for non-native speakers of English. Students review and practice structures learned in intermediate level grammar and are introduced to more complex structures (e.g., Verb Tense & Aspect, Negative & Tag Questions, Phrasal Verbs, Adjective Clauses, Past Modals, the Passive Voice, Conditionals, Indirect Speech, & Embedded Questions). This class concentrates on teaching students a higher level of grammar through lecture, drills, communicative activities, and practice exercises. Students apply the new structures in oral and written expression through oral drills and a series of guided writing and editing activities. Students entering this course should have already mastered most of the verb tense and aspect forms. This course prepares students for advanced level ESL composition. NOTE: No grade will be given for this course; student will receive "pass" or "no pass" only. (R unlimited)

ESL 948 ESL READING AND WRITING 4

0 Units

Total Course Lecture Hours 54

Advisory: *Completion ESL 938 or readiness for ESL 948.*

This high-intermediate reading and writing course is designed for students whose first language is not English. Emphasis is on the development of reading skills for improving reading rate and comprehension in academic texts of varying styles. Focus is also on building students' writing including extensive practice at the paragraph level and up to the essay level with attention given to the structure, vocabulary, and sentence grammar in essays. NOTE: No grade will be given for this course; student will receive "pass" or "no pass" only. (R unlimited)

ESL 950 ESL VOCABULARY AND PRONUNCIATION 5

0 Units

Total Course Lecture Hours 72

Advisory: *Completion of ESL 940 or readiness for ESL 950.*

This advanced pronunciation and vocabulary course is designed to help the non-native speaker of English review and address individual areas of weaknesses in the recognition and production of segmentals (consonants and vowels), including suprasegmental features (stress, linking, reductions, and intonation) in American-English. Focus is also on college academic and contemporary idiomatic vocabulary building skills. Strategies for self-monitoring pronunciation with the goal of individualized accent reduction, as well as becoming self-sufficient in acquiring high-frequency college-level vocabulary items are also included. Skills for meaningful engagement in critical thinking within academic conversations and the effective creation and delivery of academic speeches are also highlighted in this course. NOTE: No grade will be given for this course; student will receive “pass” or “no pass” only. (This noncredit course is not applicable to the associate degree, but it is applicable to the Advanced ESL Certificate.) (R unlimited)

ESL 953 ESL GRAMMAR 5

0 Units

Total Course Lecture Hours 54

Advisory: *Completion of ESL 943.*

This is an advanced grammar skills course designed for non-native speakers of English. Students review and practice structures learned in high-intermediate level grammar and are introduced to more advanced structures (e.g., Verb Tense, Aspect, and Voice; Active and Passive Modals; Articles; Prepositions; Connectors; Independent Clauses; Adverb Clauses and Phrases; Noun Clauses and Phrases; Adjective Clauses and Phrases; Gerunds; Infinitives; and Participles). This class concentrates on teaching students an advanced level of grammar through lecture, drills, communicative activities, and practice exercises. Students apply the new structures in oral and written expression through oral drills and a series of guided writing and editing activities. Students entering this course should have already mastered most of the verb tense, aspect, and voice forms, as well as most phrase and clause structures. This course prepares students for college composition. NOTE: No grade will be given for this course; student will receive "pass" or "no pass" only. (This noncredit course is not applicable to the associate degree, but it is applicable to the Advanced ESL Certificate.) (R unlimited)

ESL 958 ESL READING AND WRITING 5

0 Units

Total Course Lecture Hours 54

Advisory: *Completion of ESL 948.*

This advanced reading and writing course is designed for students whose first language is not English. Emphasis is on the development of reading skills of fluency, analytical comprehension, and synthesis of ideas in both academic and literary texts. Focus is on building students writing including extensive practice at the essay level with attention given to the structure, styles, sentence grammar, and mechanics used in essays. NOTE: No grade will be given for this course; student will receive "pass" or "no pass" only. (This noncredit course is not applicable to the associate degree, but it is applicable to the Advanced ESL Certificate.) (R unlimited)

ESL 960 VESL WELDING

0 Units

Total Course Lecture Hours 54

The Vocational Welding ESL class helps prepare intermediate to advanced level ESL students for success in welding courses with special emphasis on English skills needed to understand and follow safety procedures, describe tools used in the field, and communicate using industry specific vocabulary in the welding field. Topics include safety instructions and warnings, vocabulary for welding types and tools, understanding and communicating welding symbols, and conversation practice for on-the-job communication. (R unlimited)

Department Description

Ethnic studies is the interdisciplinary study of race and ethnicity. The program gives special focus on four historically defined racialized groups: Native Americans, African Americans, Asian Americans & Pacific Islanders, and Chicanas/os & U.S. Latinas/os.

The Ethnic Studies Program offers a local A.A. degree in Chicana and Chicano Studies. The Associate in Arts provides interdisciplinary research methods, theories, and concepts in Chicana and Chicano Studies to understand and interpret the experiences, communities, and histories of Mexican Americans and U.S. Latinas, Latinos, and Latine. This degree can serve as the basis for further undergraduate education in Chicano Studies and similar fields at a four-year institution of higher learning.

Program Learning Outcomes

Chicana and Chicano Studies AA

1. Analyze and articulate concepts such as race and racism, racialization, ethnicity, equity, ethno-centrism, eurocentrism, white supremacy, antiblackness, racial capitalism, self-determination, liberation, decolonization, sovereignty, imperialism, settler colonialism, exploitation colonialism, xenophobia, intersectionality, and anti-racism as analyzed in Chicana and Chicano Studies.
2. Apply theory and knowledge produced by Chicana, Chicano, Latina, and Latino American communities to describe understanding of the critical events, histories, cultures, intellectual traditions, contributions, lived-experiences and social struggles of those groups with a particular emphasis on subjection or subject formation, agency and group-affirmation.
3. Critically analyze the intersection of race and racism as they relate to class, gender, sexuality, religion, spirituality, national origin, immigration status, ability, tribal citizenship, sovereignty, language, and/or age in Chicana, Chicano, Latina, and Latino American communities.
4. Explain and assess, while critically situating within historical context, how struggle, resistance, racial and social justice, solidarity, and liberation, as experienced, enacted, and studied by Chicana, Chicano, Latina, Latino, and Latinx Americans are relevant to current and structural issues at the communal, local, national, international, and transnational political levels as, for example, in immigration, reparations, settler-colonialism, multiculturalism, language policies.

Chicana/o Studies, Latina/o Studies AA-T

1. Analyze and articulate concepts such as race and racism, racialization, ethnicity, equity, ethno-centrism, eurocentrism, white supremacy, antiblackness, racial capitalism, self-determination, liberation, decolonization, sovereignty, imperialism, settler colonialism, exploitation colonialism, xenophobia, intersectionality, and anti-racism as analyzed in Chicana/o and Latina/o Studies.
2. Apply theory and knowledge produced by Chicana, Chicano, U.S. Latine, and U.S. Latinx communities to describe understanding of the critical events, histories, cultures, intellectual traditions, contributions, lived-experiences and social struggles of those groups with a particular emphasis on subjection or subject formation, agency and group-affirmation.
3. Critically analyze the intersection of race and racism as they relate to class, gender, sexuality, religion, spirituality, national origin, immigration status, ability, tribal citizenship, sovereignty, language, and/or age in Chicana, Chicano, U.S. Latine, and U.S. Latinx communities.
4. Explain and assess, while critically situating within historical context, how struggle, resistance, racial and social justice, solidarity, and liberation, as experienced, enacted, and studied by Chicana, Chicano, Latina, Latino, and Latinx Americans are relevant to current and structural issues at the communal, local, national, international, and transnational political levels as, for example, in immigration, reparations, settler-colonialism, multiculturalism, language policies.

Certificate Program

Certificate not applicable.

Associate Degree

Chicana and Chicano Studies AA

The Associate in Arts provides interdisciplinary research methods, theories, and concepts in Chicana and Chicano Studies to understand and interpret the experiences, communities, and histories of Mexican Americans and U.S. Latinas, Latinos, and Latine. Mexican-Americans are the second largest minority group in the United States and have contributed to three hundred years of historical development of the American Southwest and the United States. The Chicana and Chicano Studies Program at Antelope Valley College investigates the life of these people throughout the nation to prepare students with an ability to examine multiple sources and data to think critically, analytically, and creatively about the Chicana and Chicano experience as well as build skills in communicating with diverse audiences. This degree equips students to enter a multi-ethnic workforce and more effectively work toward social justice. Students who earn this degree will be well prepared for careers in non-profit organizations, education, social work, human services, health care, law and/ or policy, planning and development. This degree can also serve as the basis for further undergraduate education in Chicano Studies and similar fields.

Program Requirements
Chicana and Chicano Studies (Total 18)
Complete all of the following **Units**

Required Courses (Total 15)
Complete all of the following
ETHN 102 - Introduction to Chicana and Chicano Studies 3
ETHN 110 - Chicana and Chicano History: Pre-Cuauhtémoc to U.S.-Mexico War 3
ETHN 111 - Chicana and Chicano History: Post U.S.-Mexico War to the Present 3
ETHN 112 - Introduction to Chicanas and Latinas in U.S. Society 3
ETHN 114 - Chicana/o Culture 3

Program Elective (Total 3)
Complete the following number of units: 3
ETHN 101 - Introduction to Ethnic Studies 3
ETHN 103 - Introduction to Black Studies 3
ETHN 104 - Introduction to American Indian Studies 3
ETHN 105 - Introduction to Asian American Studies 3
ETHN 113 - Introduction to the Central American Experience 3
ETHN 140 - Introduction to Pacific Islander History 3
ETHN 200 - History of U.S. Racism 3
ETHN 233 - Chicana/o/x Religions 3
ETHN 237 - Chicana/o/x Arts and Resistance 3
ETHN 239 - Chicana/o/x Visual Art and Culture 3

Recommended Pathway

Term 1	**Units**
ETHN 102 - Introduction to Chicana and Chicano Studies	3
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 4	3
General Elective	3
General Elective	2
	Total 15
Term 2	
AVC GE Area 2	3
AVC GE Area 1B (COMM C1000 ***OR*** COMM C1000H ***OR*** ENGL C1002 ***OR*** ENGL C1002H ***OR*** ENGL C1001 ***OR*** ENGL C1001H ***OR*** PHIL 201 ***OR*** any AVC GE Area 1B)	3
ETHN 111 - Chicana and Chicano History: Post U.S.-Mexico War to the Present	3
General Elective	3
General Elective	3
	Total 15
Term 3	
ETHN 110 - Chicana and Chicano History: Pre-Cuauhtémoc to U.S.-Mexico War	3
AVC GE Area 3	3
AVC GE Area 5	3
Program Elective (see list)	3
General Elective	3
	Total 15
Term 4	
ETHN 112 - Introduction to Chicanas and Latinas in U.S. Society	3
ETHN 114 - Chicana/o Culture	3
AVC GE Area 6	3
General Elective	3
General Elective	3
	Total 15
	Degree Total 60

Chicana/o Studies, Latina/o Studies AA-T

The Associate in Arts in Chicana/o Studies, Latina/o Studies for Transfer (AA-T in Chicana/o Studies, Latina/o Studies) degree provides students with interdisciplinary research methods, theories, and concepts to critically examine the experiences, communities, and histories of Mexican Americans and U.S. Latinas, Latinos, and Latine populations. The AA-T in Chicana/o Studies, Latina/o Studies at Antelope Valley College equips students with the analytical, critical thinking, and creative skills necessary to explore the lives and experiences of Mexican Americans and Latinas/os throughout the country. This program enhances students' abilities to effectively communicate with diverse audiences, preparing them for careers in a multi-ethnic workforce and empowering them to work toward social justice. Graduates of this program will be well-prepared for roles in non-profit organizations, education, social work, human services, health care, law and policy, as well as planning and development.
The Associate in Arts in Chicana/o Studies, Latina/o Studies for Transfer (AA-T in Chicana/o Studies, Latina/o Studies) degree meets the requirements of Senate Bill 1440 for Associate in Arts Degrees for Transfer (AA-T). These degrees are intended to make it easier for students to transfer to a California State University (CSU) to complete their undergraduate degree in the designated discipline. Specifically, a student who completes an AA-T degree will be guaranteed admission to a CSU with junior status. However, CSU admission does not guarantee admission to a specific major or to a specific campus. The CSU shall grant such a student priority admission to a local CSU campus and into a program or major that is similar to the one the student obtains his or her AA-T degree in, or to an area of emphasis determined by the CSU campus. Although the AA-T degree is specifically designed to ease transfer to a CSU, it does not exclude admittance to other colleges or universities. Additionally, this degree provides a strong foundation for further undergraduate study in Chicano Studies or related fields, ensuring students are equipped for continued academic success or professional growth.
To earn the Associate in Arts in Chicana/o Studies, Latina/o Studies for Transfer (AA-T in Chicana/o Studies, Latina/o Studies) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Chicana/o Studies, Latina/o Studies AA-T (Total 18 - 20)
Complete all of the following

Required Core (Total 9)
Complete all of the following
ETHN 102 - Introduction to Chicana and Chicano Studies 3
ETHN 111 - Chicana and Chicano History: Post U.S.-Mexico War to the Present 3
ETHN 112 - Introduction to Chicanas and Latinas in U.S. Society 3

List A – Select One Course (3 units) (Total 3)
Complete the following number of units: 3

ENGL 256 - Latinx/e Literature	3

List B – Select Two Courses (6 units) (Total 6 - 8)
Complete the following number of units: 6-8

ETHN 110 - Chicana and Chicano History: Pre-Cuauhtémoc to U.S.-Mexico War	3
ETHN 113 - Introduction to the Central American Experience	3
ETHN 114 - Chicana/o Culture	3
SPAN 110SS - Spanish for Heritage Speakers I	5

Recommended Pathway

Term 1	Units
ETHN 102 - Introduction to Chicana and Chicano Studies	3
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 4 (SOCI C1000)	3
General Elective	2
Total	**15**
Term 2	
ETHN 111 - Chicana and Chicano History: Post U.S.-Mexico War to the Present	3
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 4	3
Cal-GETC GE Area 2	3
General Elective	3
Total	**15**
Term 3	
ETHN 112 - Introduction to Chicanas and Latinas in U.S. Society	3
List B (ETHN 110)	3
Cal-GETC GE Area 3A	3
Cal-GETC GE Area 5A	3
Cal-GETC GE Area 5C	1
General Elective	2
Total	**15**
Term 4	
List A (ENGL 256)	3
List B (ETHN 113)	3
Cal-GETC GE Area 3B	3
Cal-GETC GE Area 5B	3
Cal-GETC GE Area 6	3
Total	**15**
Degree Total	**60**

Ethnic Studies Courses

ETHN 101 INTRODUCTION TO ETHNIC STUDIES

3 Units

Total Course Lecture Hours 54

Advisory: *ENGL C1000 (ENGL 101).*

This Ethnic Studies course utilizes a comparative and interdisciplinary approach to introduce students to the field of Ethnic Studies, focusing on the historical and contemporary development of theories, philosophies, concepts, issues, social movements, and lived-experiences of Native Americans, Chicana/o and Latina/o/x Americans, African Americans, and Asian Americans. Students explore the intersectionality of race and racism with class, gender, religion, and sexuality in both a historical context and in contemporary U.S. society. The course brings attention to systems of oppression foregrounding race and ethnicity, including histories and legacies of colonialism and indigenous dispossession, racial capitalism, chattel slavery and coerced labor, immigration and citizenship laws, and artistic and intellectual contributions. Moreover, students examine the effects of institutional racism and marginalization along with challenges against the status of racism in society and struggle for social justice, self-determination, liberation, anti-racism, decolonization, identity, and political representation by historically aggrieved racialized groups and communities. (UC, CSU, AVC)

ETHN 102 INTRODUCTION TO CHICANA AND CHICANO STUDIES

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 (ENGL 101).*

This Ethnic Studies course provides an interdisciplinary survey of struggles and contributions in the Chicana/o experience as it relates to self-determination, liberation, anti-racism, decolonization, identity, and political representation. The survey will include an analysis of the economic, political, social, and intellectual elements of the culture of the Mexican American/ Chicano community, and a study of the changing demographics of the community as a result of migration from the Caribbean and Central America. In addition, the course explores social movements that have contributed to the changing relationship of Latina/o/x and Chicana/o/x communities and cultures with the broader society of the United States. (UC, CSU, AVC)

ETHN 103 INTRODUCTION TO BLACK STUDIES

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 or ENGL C1000H.*

This Ethnic Studies course introduces African American Studies through an interdisciplinary survey of African American struggles, contributions, and intellectual traditions. Students examine key concepts such as self-determination, liberation, anti-racism, and decolonization to analyze African American history, culture, and social movements from the 1600s to the present. Attention is given to systemic oppression alongside African American cultural production, scholarship, and resistance. (UC, CSU, AVC)

ETHN 104 INTRODUCTION TO AMERICAN INDIAN STUDIES

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 or ENGL C1000H.*

This Ethnic Studies course introduces American Indian Studies through the histories, cultures, intellectual traditions, and contemporary struggles of Indigenous peoples in North America, with emphasis on the United States. Students examine colonization, sovereignty, and U.S. federal policies such as Indian Removal and boarding schools, alongside Indigenous resistance, cultural survival, and movements for self-determination. Special attention is given to Southern California tribes, including the Gabrielino-Tongva and Chumash, while broader themes include race, racism, settler colonialism, decolonization, environmental justice, Indigenous feminism, and activism for equity and justice. (UC, CSU, AVC)

ETHN 105 INTRODUCTION TO ASIAN AMERICAN STUDIES

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 (ENGL 101).*

This Ethnic Studies course provides an interdisciplinary survey of struggles and contributions highlighted in Asian American Studies, with attention given to issues as race, racism, racialization, self-determination, and citizenship within Asian American communities. The course analyzes the economic, political, and social factors that have shaped these communities, with a focus on changing immigration patterns before and after 1965. Additionally, the course explores how intersections of class, gender, sexuality, and national origin influence identity formation. Special attention is given to social movements, such as post-1965 Civil Rights activism, that have reshaped the relationship between Asian Americans and broader U.S. society. (CSU, AVC)

ETHN 110 CHICANA AND CHICANO HISTORY: PRE-CUAUHTÉMOC TO U.S.-MEXICO WAR

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 or ENGL C1000H.*

This Ethnic Studies course utilizes an interdisciplinary approach in Chicana/o Latina/o Studies to introduce students to the histories and contributions of Chicana/o languages, cultures, and societies up to 1850. The course reviews historical and contemporary theories, philosophies, and methods to assess the political, economic, and social influences of Pre-Cuauhtemoc tribes, city-states, and civilizations on critical events, cultures, intellectual traditions, lived-experiences, and the contested meanings of America, Spain, Mexico, and United States. Attention is given to racism and racialization in respects to imperialism, colonization, White Supremacy, racism, dispossession, systemic oppression, identity and solidarity, racial justice, decolonization, liberation, and self-determination grounded in theories and methodologies in Chicana/o Latina/o Studies. (UC, CSU, AVC)

ETHN 111 CHICANA AND CHICANO HISTORY: POST U.S.-MEXICO WAR TO THE PRESENT

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 of ENGL C1000H.*

This Ethnic Studies course utilizes an interdisciplinary approach in Chicana/o Studies to introduce students to a detailed history of the contributions and experiences of Chicana/o and Latina/o communities from 1848 to the present. The course centers the Chicana/o experience to understand critical events, social movements, issues, and decolonization within the context of both Mexican and U.S. cultural influences in the United States. The course brings attention to systems of oppression foregrounding race and ethnicity, including histories and legacies of colonialism and indigenous dispossession, imperialism and immigration, and the artistic and intellectual contributions of Chicanas/os and Latinas/os/x. In addition, the causes and significance behind Central American immigration is explored as part of contemporary Chicana/o History. Moreover, the course highlights the contributions made by Chicanas/os and Latinas/os/x in addressing systemic inequality and racism in society and struggle for social justice, self-determination, liberation, anti-racism, decolonization, identity, and political representation. (UC, CSU, AVC)

ETHN 112 INTRODUCTION TO CHICANAS AND LATINAS IN U.S. SOCIETY

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 or ENGL C1000H.*

This Ethnic Studies course provides an interdisciplinary introduction to the histories, contributions, and lived experiences of Chicanas and Latinas in U.S. society. Grounded in Chicana and Indigenous feminist theories, the course progresses from foundational concepts and historical legacies of colonization, patriarchy, and eurocentrism to cultural archetypes, labor, education, health, and artistic expression. Students analyze how gender, sexuality, race, class, religion, immigration status, and ability intersect to shape social conditions and community struggles. Emphasis is placed on contemporary scholarship and activism addressing reproductive justice, immigration policy, environmental justice, and transnational politics. The course concludes with a praxis-oriented project that applies anti-racist and decolonial practices to real-world contexts in pursuit of equity and social justice. (UC, CSU, AVC)

ETHN 113 INTRODUCTION TO THE CENTRAL AMERICAN EXPERIENCE

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 or ENGL C1000H.*

This Ethnic Studies course provides an interdisciplinary introduction to the Central American experience in the United States, emphasizing the historical and transnational connections between countries of origin and diaspora communities. Students analyze colonization, independence, dictatorships, civil wars, and U.S. foreign policy to understand the forces driving migration and displacement. The course examines the lived experiences of Central Americans in the U.S. through themes of race, racism, racialization, equity, white supremacy, decolonization, sovereignty, and anti-racism. Students analyze cultural productions such as literature, art, and film alongside community-based activism, and organizations that support Central American populations. The course concludes with an applied project that connects historical and cultural analysis to contemporary struggles for equity, self-determination, and social justice affecting Central American populations. (UC, CSU, AVC)

ETHN 114 CHICANA/O CULTURE

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 (ENGL 101).*

This Ethnic Studies course provides an interdisciplinary survey of the cultural production, struggles, and contributions within the Chicana/o experience, focusing on self-determination, liberation, anti-racism, decolonization, identity, and artistic expression. The course explores how art, music, film, and literature have played a pivotal role in the expression of identity, resistance, and community. The course critically engages with historical and contemporary cultural movements, such as the Chicano Renaissance and the Chicano Movement, as well as current issues of race, racism, decolonization, and anti-racism. Through interdisciplinary analysis, the course underscores how Chicana/o/x communities have used culture as a tool for social and racial justice, and self-determination in the U.S. (CSU, AVC)

ETHN 140 INTRODUCTION TO PACIFIC ISLANDER HISTORY

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 (ENGL 101).*

This Ethnic Studies course provides an interdisciplinary survey of struggles and contributions highlighted in Pacific Islander Studies. It explores key issues such as race, racism, colonialism, self-determination, and citizenship, with a focus on the experiences of Pacific Islanders in U.S. history. The course analyzes the economic, political, and social factors that have shaped Pacific Islander communities, examining how class, gender, and national origin influence identity formation. Special attention is given to the impacts of U.S. imperialism, transnational migration, and the ongoing struggles for sovereignty and social justice within Pacific Islander communities. (CSU, AVC)

ETHN 200 HISTORY OF U.S. RACISM

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 (ENGL 101).*

This Ethnic Studies course utilizes an interdisciplinary approach to introduce the historical roots of race and racism, and how it has been, and continues to be, a powerful force that shapes American society. The course closely examines race and ethnicity, and the impacts of racism upon Native Americans, Chicanas/os and Latinas/os, African Americans, and Asian Americans. This course includes an analysis of the economic, political, social, and cultural impact of racial attitudes, behaviors, practices, and public policy. The course will highlight the ways that race and ethnicity intersect with gender, sexuality, class, citizenship, and nation in order to better understand how systems of power and inequality are constructed, reinforced, and challenged. Informed by multiple disciplines, the course will provide a foundation for understanding the impact and role of race and racism in major U.S. institutions. (CSU, AVC) (Formerly ETHN 106)

ETHN 233 CHICANA/O/X RELIGIONS

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 or ENGL C1000H.*

This Ethnic Studies course provides an interdisciplinary introduction to Chicana/o/x religions, spirituality, and cultural practices, examining their roles in shaping identity, community, and social justice struggles. Students analyze historical and contemporary religious movements, including Catholicism, Protestantism, Indigenous spiritual practices, and popular religious expressions, through frameworks of decolonization, feminism, and intersectionality. The course highlights how religion and spirituality have informed Chicana/o/x literature, art, politics, and activism, from the Chicano Movement and Catolicos Por La Raza to contemporary movements for equity and liberation. Students engage primary and secondary sources alongside community-based research to interpret how religious organizations, practices, and leaders impact Chicana/o/x communities. The course culminates in a Community Impact Assessment Project, where students critically assess the role of a religious organization or movement in advancing or challenging equity, anti-racism, and decolonization. (CSU, AVC)

ETHN 237 CHICANA/O/X ARTS AND RESISTANCE

3 Units

Total Course Lecture Hours 54

This Ethnic Studies course provides an interdisciplinary introduction to Chicana/o/x artistic expression as a reflection of identity, culture, and resistance. Students analyze visual arts-including murals, painting, photography, digital media, and performance-as aesthetic forms rooted in Indigenous, Mexican, and U.S. traditions. Emphasis is placed on how Chicana/o/x artists engage themes of race, ethnicity, colonialism, gender, sexuality, migration, and community affirmation to challenge dominant narratives and promote cultural survival. Through close study of artworks, aesthetic theories, and community-based practices, students develop skills in interpreting art both as creative expression and as anti-racist, anti-colonial praxis. The course fosters critical aesthetic appreciation and interpretation by examining Chicana/o/x cultural production as a site of historical memory, social justice, and self-determination.(CSU, AVC)

ETHN 239 CHICANA/O/X VISUAL ART AND CULTURE

3 Units

Total Course Lecture Hours 54

This course examines the development of Chicana/o/x art from Pre-Cuauhtémoc (Pre-Columbian) visual traditions to contemporary practices, focusing on painting, murals, sculpture, installation, and digital media. Students learn cultural criticism through Chicana/o/x visual art in its historical, political, and cultural contexts. Emphasis is placed on how art reflects and shapes identity, community, and resistance to colonialism, racism, and inequality. The course highlights major artists, movements, and public art traditions, while critically assessing the role of art in social movements, decolonization, and community empowerment in local, national, and transnational contexts. (CSU, AVC)

Department Description

The Film & Television program offers courses in film/video production as well as classes in film history and theory. Students will learn all aspects of visual storytelling, from writing and production to directing, sound design, cinematography, and editing. They will also explore the beginnings of this medium and its influence on popular culture. The film program allows students to gain specific skills and knowledge in order to pursue careers in the Film & Television industry while also giving students the opportunity to transfer to a four-year institution with an AS-T degree in Film, Television & Electronic Media.

Program Learning Outcomes

Film, Television, and Electronic Media AS-T

1. Students will plan, script, budget, light, shoot, provide sound recording/design and edit a short film production.
2. Students will develop an understanding of screenplay format and will write a short film script.
3. Students will demonstrate an understanding of the different phases of film production as well as film theories, criticism, history, aesthetics & vocabulary.

Certificate Program

Certificate not applicable.

Associate Degree

Film, Television, and Electronic Media AS-T

Film and Television are the most powerful cultural and artistic mediums of our time and have forever marked the popular culture of the twentieth century. As a society film, television, and electronic media are ever present in our world and we are continuously influenced by the visual images of these powerful mediums as they link with the ancient art of storytelling through various formats. Studying film, television and electronic media teaches us about our lives and our society and impacts how we view ourselves as well as the world around us.

The Associate in Film, Television & Electronic Media for Transfer (AS-T in Film, Television and Electronic Media) degree is designed to give students a strong practical foundation in film and television production while also giving a basis of the history, aesthetics, theory, and development of visual storytelling through motion pictures. Additionally, the degree will provide students with the knowledge and skills associated with every phase of motion picture production from writing and producing to directing, sound design, cinematography and editing. Students will learn the collaborative nature of filmmaking through crew experiences. The process allows students to develop skills in all areas of the craft experimenting with both creative and technical jobs through all aspects of production. The Associate in Film, Television and Electronic Media for Transfer (AS-T in Film, Television and Electronic Media) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses but do not exclude admittance to other colleges or universities.

To earn the Associate in Film, Television and Electronic Media for Transfer (AS-T in Film, Television and Electronic Media) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Film, TV, Electronic AS-T (Total 19-20)

Complete all of the following	**Units**
Required Courses (Total 6)	
Complete the following number of units: 6	
FTV 101 - Introduction to Film	3
FTV 134 - Introduction to Screenwriting	3
Required Electives A (Total 7)	
Complete the following number of units: 7	
FTV 121 - Beginning Motion Picture Production	4
FTV 241 - Beginning Audio Production	3
FTV 244 - Production and Post-Production of the Short Film	4
Required Electives B (Total 3)	
Complete the following number of units: 3	
COMM 105 - Introduction to Mass Communication	3
FTV 103 - Introduction to Television	3
FTV 107 - History of Film, Pre 1950	3
PHTC 101 - Beginning Black and White Photography	3
Required Electives C: Select a minimum of 3 units from the following or any course from List B not already used. (Total 3-4)	
Complete the following number of units: 3-4	
DM 110 - Motion Graphics	3
FTV 108 - History of Film, 1950-Present	3
FTV 155 - Film Festival Analysis	1
FTV 199 - Work Experience Education	1 - 8
FTV 201 - Intercultural & Women's Film	3
FTV 203 - African-American Cinema	3
FTV 215 - Directing for Film and Video	3
FTV 220 - Advanced Screenwriting	3
FTV 230 - Digital Cinematography	4
FTV 242 - Writing and Pre-Production of the Short Film	4

Recommended Pathway

Semester 1	**units**
FTV 101 - Introduction to Film	3
FTV 134 - Introduction to Screenwriting	3
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 2 (MATH 110)	3
	Total 16

Semester 2	
Required Electives A (FTV 241)	3
Required Electives B (FTV 103)	3
Cal-GETC GE Area 1B (ENGL C1002 ***OR*** ENGL C1001)	3
General Elective	3
Cal-GETC GE Area 5B (ANTH 101)	3
Total	**15**
Semester 3	
General Elective	1
Required Electives A (FTV 121)	4
Cal-GETC GE Area 5A (PSCI 101)	4
General Elective	3
Cal-GETC GE Area 4	3
Total	**15**
Semester 4	
Required Electives B (FTV 107)	3
Cal-GETC GE Area 3B	3
Cal-GETC GE Area 4 (POLS C1000)	3
Cal-GETC GE Area 6	3
General Elective	2
Total	**14**
Degree Total	**60**

Film and Television Courses

FTV 101 INTRODUCTION TO FILM

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

Students are introduced to the language and technology of filmmaking through the examination of great films and filmmakers. The course features a broad range of domestic and international cinema and investigates the culture, politics, and social histories of the periods in which the films were produced. The successful student becomes more aware of the complexity of film art, more sensitive to its nuances, textures, and rhythms, and more perceptive in reading its multilayered blend of image, sound, and motion. (UC, CSU, AVC)

FTV 103 INTRODUCTION TO TELEVISION

3 Units

Total Course Lecture Hours 54

This course is designed to develop the student's ability to form a critical perspective of the television industry. Students are introduced to the business and history of television programming, genre conventions, production techniques, narrative forms, as well as various modes of television criticism. By studying key texts and programs, they will develop an appreciation of television as an art form and its impact on our culture. (UC, CSU, AVC)

FTV 107 HISTORY OF FILM, PRE 1950

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

Students examine the development of world cinema from the pre-cinema machines to 1950. The course investigates the aesthetic, theoretical, technological, economic, cultural, and social factors that contributed to the development of the medium. Attention is paid to the historical development of formal devices such as the shot, editing, mise-en-scene, sound design, color and black and white, and the evolution of the narrative film form. (UC, CSU, AVC)

FTV 108 HISTORY OF FILM, 1950-PRESENT

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

Students examine the development of world cinema from 1950 to the present. The course investigates the aesthetic, theoretical, technological, economic, cultural, and social factors that contributed to the development of the medium. Attention is paid to the historical development of formal devices such as the shot, editing, mise-en-scene, sound design, color and black and white, and the evolution of the narrative film form. (UC, CSU, AVC)

FTV 121 BEGINNING MOTION PICTURE PRODUCTION

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

This course provides an introduction to the basic theory, terminology, and practice of motion picture production as applied in feature films, films made for television and internet through developed skill sets, and teamwork in pre-production, production, and post-production processes. Topics covered will include composition and editing techniques, camera operation, field lighting, audio recording, and basic editing. Students will leave the class with a completed final project. (CSU, AVC)

FTV 134 INTRODUCTION TO SCREENWRITING

3 Units

Total Course Lecture Hours 54

The course provides students with practical experience writing film scripts. Topics include story structure, character development, dialogue, developing and refining a treatment, script formatting and pitching. Students engage in peer critiques as well as evaluate professionally produced film scripts. (UC, CSU, AVC)

FTV 155 FILM FESTIVAL ANALYSIS

1 Unit

Total Course Lecture Hours 18

This course introduces students to contemporary independent film and its makers through direct participation in the Antelope Valley College Independent Film Festival. Students will evaluate a wide variety of strategies used in visual storytelling as well as have the opportunity to interact directly with working professionals in the film industry. Recommended for transfer and degree bound students as well as anyone with a general interest in off-Hollywood film. (CSU, AVC)

FTV 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

FTV 201 INTERCULTURAL & WOMEN'S FILM

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

This course introduces students to different gender, racial, sexual, and cultural images in American and international cinema through the examination of representative films and filmmakers. It examines the evolution of cultural, racial, and sexual stereotypes in film and contrasts those images with efforts by filmmakers to challenge such stereotypes and more accurately portray diversity in cinema. The successful student will become more aware of the complex interplay between cultural representations in cinema and audience perceptions and become more adept at applying critical theories to analyze these images. The films, texts, and classroom materials examine a broad range of domestic, independent, and international cinema, making students aware of the culture, politics, and social history of the periods in which the films were produced. (UC, CSU, AVC)

FTV 203 AFRICAN-AMERICAN CINEMA

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

The course analyzes the evolution of the Black image in cinema from the beginning of motion pictures to the present. Particular attention will be paid to role African Americans have played in the development of the American film industry. Students investigate the origins of racial and ethnic stereotypes in film as well as examine contemporary challenges filmmakers face in more accurately and fairly representing minorities in cinema. The successful student will become more aware of the complex interplay between cultural representations in cinema and audience perceptions and become more adept at applying critical theories to analyze these images. The films, texts, and classroom materials examine a broad range of Hollywood and independent cinema, making students aware of the culture, politics, and social history of the periods in which the films were produced. (UC, CSU, AVC)

FTV 215 DIRECTING FOR FILM AND VIDEO

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

Advisory: *Completion of FTV 101 and FTV 121.*

Students are introduced to the fundamental techniques of directing for film and video. Various methods and techniques of working with actors are examined along with blocking and staging scenes. Topics include script analysis, formulating a creative vision for the scene, mise-en-scene, directing actors for camera, basic camera coverage strategies, camera movement motivation and composition, and working with a crew. Students will apply various techniques and theories to in-class scene work. (CSU, AVC)

FTV 220 ADVANCED SCREENWRITING

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of FTV 134.*

Advanced students utilize techniques from the introductory course to complete a professional, polished feature film screenplay. Students may also choose to bring in a first draft and perform a rewrite and polish through instructor consultation and workshops with their classmates. The course will focus on the application of advanced screenwriting techniques, including alternate story structures, subplots and subtext, and genre conventions as well as examine current business practices and case studies in the film industry. (CSU, AVC)

FTV 230 DIGITAL CINEMATOGRAPHY

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Advisory: *Completion of FTV 101.*

Prerequisite: *Completion of FTV 121.*

Students apply fundamental techniques of motion picture photography to a series of short video projects. Topics include theories of cinematography, advanced video camera operation, composition and framing, basic camera angles, camera movement, coverage strategies, lighting techniques, working with a production crew, and specific techniques for low budget digital cinematography. (UC, CSU, AVC)

FTV 241 BEGINNING AUDIO PRODUCTION

3 Units

Total Course Lecture Hours 36

Total Course Lab Hours 54

This course serves as an introduction to the theory and practice of audio production for broadcasting, internet, film, and music 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, and mixing audio for various applications. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software. (UC, CSU, AVC)

FTV 242 WRITING AND PRE-PRODUCTION OF THE SHORT FILM

4 Units
Total Course Lecture Hours 72
Advisory: *Completion of FTV 134.*
Prerequisite: *Completion of FTV 121.*
The course guides students through the writing and pre-production processes of making a short film. Students learn methods and techniques of screenwriting and project development. Emphasis is placed on exercising sound business and management practices when planning a production. Students will develop a story concept into a shooting script, create storyboards and a shot list, assemble cast and crew, and plan and schedule a film shoot. (CSU, AVC)

FTV 244 PRODUCTION AND POST-PRODUCTION OF THE SHORT FILM

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Prerequisite: *Completion of FTV 121.*
This course guides students through production and post-production processes of making a short film. Students learn methods and techniques of taking a project through production and shooting, post-production, and distribution. Topics includes blocking and staging, camera rehearsals, creating shot lists, call sheets, organizing a shooting plan, crew positions and responsibilities, set procedures and protocol, mise-en-scene, picture editing, sound design, titles and festivals. Emphasis is placed on students developing sound business and management practices within a creative production environment. (CSU, AVC)

FTV 251 CONTEMPORARY AMERICAN INDEPENDENT FILM

4 Units
Total Course Lecture Hours 72
Advisory: *Completion of FTV 101.*
This course introduces students to contemporary American independent film and its makers. Students examine both the positive and negative factors that influence filmmaking outside the Hollywood studio system as well as how independent themes communicate different messages about American culture to audiences. The course pays particular attention to a rising wave of women, minority, and gay and lesbian filmmakers producing short and feature narrative, documentary, and experimental film and video. (UC, CSU, AVC)

FTV 261 RELIGION AND CINEMA

4 Units
Total Course Lecture Hours 63
Total Course Lab Hours 27
Advisory: *Completion of FTV 101.*
This course challenges students to consider and analyze the way religious ideas and institutions are presented in contemporary cinema. Students examine the social implications of film on American values and culture. The course demonstrates the power of cinematic images to define, enrich, and sometimes pervert the human experience. (UC, CSU, AVC)

Department Description

The Fire Technology program is designed to prepare students to work as firefighters and to provide an opportunity for those now working in this field to upgrade their skills. This program is made up of courses conforming to the recommended Uniform Fire Technology Curriculum of the California Community College System. Upon completion of the UFTC, professional firefighters should plan to enroll in appropriate programs at Regional Training Centers sponsored by the California Fire Academy System.

Program Learning Outcomes

Fire Technology Cert & AS

1. Analyze the fire behavior and combustion process as observed on the fire ground to make safe and effective attacks on a variety of fires.
2. Differentiate between the types of suppression resources, methods, tactics and strategy, that are available for use and the type of incident to be mitigated.
3. Analyze and evaluate critical aspects of the fire protection job relative to safe work practices, standards, proper use of tools, power equipment, apparatus, and personal protective equipment.
4. Use and properly interpret drawings, plans, and maps including floor plans, sprinkler, alarm system designs, topographic and street maps to identify location of fire protection equipment or incident locations.
5. Value diversity within the community that we serve and within our agency through good citizenship and understanding the fire fighter role in the modern community.

Firefighter 1 Academy Cert

1. Analyze and evaluate critical aspects of fire suppression operations related to safe work practices, proper use of tools, power equipment, and personal protective equipment.
2. Analyze, evaluate and troubleshoot various fire emergency scenarios using standard decision making principles to develop a safe and effective operational strategy to bring an incident to a successful conclusion.
3. Apply proper maintenance and safety standards related to fire department ladders and power saws.
4. Assure that actions and decisions are based on ethical work practices and human factors directly related to the duties and responsibilities of a firefighter.

Wildland Firefighting Certificate (Noncredit)

1. Demonstrate entry-level wildland firefighting skills, including tool use, safety protocols, communication, and suppression tactics consistent with NWCG standards.
2. Apply teamwork and physical conditioning strategies to function effectively as a member of a wildland fire crew in high-risk environments.
3. Perform basic administrative and leadership tasks such as crew organization, time management, and completion of required fireline documentation.
4. Demonstrate readiness for field evaluation and employment through participation in simulated wildland fire assignments and crew leadership exercises.

Wildland Fire Technology Cert & AS

1. Analyze the fire behavior and combustion process as observed on the fire ground to make safe and effective attacks on a variety of fires.
2. Differentiate between the types of suppression resources, methods, tactics and strategy, that are available for use and the type of incident to be mitigated.
3. Analyze and evaluate critical aspects of the fire protection job relative to safe work practices, standards, proper use of tools, power equipment, apparatus, and personal protective equipment.
4. Use and properly interpret drawings, plans, and maps including, topographic and street maps to identify location of the fire protection equipment or incident location as well as hazards associated with incident location.
5. Value diversity within the community and/or agency served by Emergency Services Personnel through good citizenship and understanding the fire fighter's role in the modern community.

Certificate Programs

Fire Technology Cert

This program is made up of courses conforming to the recommended Uniform Fire Technology Curriculum of the California Community College System. Upon completion of the UFTC, professional firefighters should plan to enroll in appropriate programs at Regional Training Centers sponsored by the California Fire Academy System.
Fire Technology courses are offered in the evening to allow working persons easy access to instruction. Classes are updated by the local advisory group to maintain relevancy and meet changing industry needs.

Program Requirements
Fire Technology Cert (Total 30)
Complete all of the following

	Units
Required Courses (Total 18)	
Complete all of the following	
FTEC 109 - Principles of Fire and Emergency Services Safety and Survival	3
FTEC 111 - Fire Protection Organization	3
FTEC 112 - Fire Prevention Technology	3
FTEC 113 - Fire Protection Equipment and Systems	3
FTEC 211 - Fire Behavior and Combustion	3
FTEC 212 - Building Construction for the Fire Service	3
Program Electives (Total 12)	
Complete the following number of units: 12	
EMT 101 - Emergency Medical Technician (EMT)	8
FTEC 117 - Preparing to be a Firefighter	3
FTEC 125 - Hazardous Materials First Responder Operation	2
FTEC 215 - Rescue Practices	3
FTEC 290A - Physical Fitness and Ability for the Firefighter	1
FTEC 290B - Physical Fitness and Ability for the Firefighter	1
FTEC 295A - Firefighter 1 Academy Module A	8
FTEC 295AL - Firefighter 1 Academy Module A Lab	3
FTEC 295B - Firefighter 1 Academy Module B	8
FTEC 295BL - Firefighter 1 Academy Module B Lab	3
FTW 121 - Wildland Firefighter	4
FTW 122 - Wildland Public Information Officer, Prevention, and Investigation	3
FTW 123 - Wildland Fire Operations	3
FTW 124 - Wildfire Chain Saws	1.5

FTW 221 - Wildland Firefighter Safety and Survival	3
FTW 222 - Wildland Fire Behavior	3
FTW 223 - Wildland Engine Firefighter	4
FTW 224 - Wildland Fire Control	3
GEOG 201 - Map Interpretation and GPS	4

Recommended Pathway

Term 1	**Units**
FTEC 112 - Fire Prevention Technology	3
FTEC 113 - Fire Protection Equipment and Systems	3
FTEC 111 - Fire Protection Organization	3
Program Electives (FTEC 117)	3
Program Electives (FTW 123)	3
	Total 15
Term 2	
FTEC 109 - Principles of Fire and Emergency Services Safety and Survival	3
FTEC 211 - Fire Behavior and Combustion	3
FTEC 212 - Building Construction for the Fire Service	3
Program Electives (FTEC 215)	3
Program Electives (FTW 221)	3
	Total 15
	Certificate Total 30

Firefighter 1 Academy Cert

The Firefighter 1 Academy is intended to provide students the necessary skills and knowledge to complete training for California State Fire Marshall Firefighter 1 certification. Emphasis is placed on knowledge and skills development in classroom and drill ground settings.

Students desiring to enter the Academy are required to have completed a medical examination and Candidate Physical Ability Test (CPAT). In addition to the enrollment fee, students are required to buy books, materials, uniforms, and protective equipment. The cost for these items is approximately $3000. Informational meetings are scheduled at various times prior to registration for an Academy to give prospective students information on the requirements of the program.

Career Options: Municipal Fire Service (Cities and Counties), Private Fire Protection Agencies, Federal Fire Departments, and Military Base Fire Departments.

Program Requirements
Firefighter I Academy Cert (Total 35)

Complete all of the following	**Units**
EMT 101 - Emergency Medical Technician (EMT)	8
FTEC 111 - Fire Protection Organization	3
FTEC 290A - Physical Fitness and Ability for the Firefighter	1
FTEC 290B - Physical Fitness and Ability for the Firefighter	1
FTEC 295A - Firefighter 1 Academy Module A	8
FTEC 295AL - Firefighter 1 Academy Module A Lab	3
FTEC 295B - Firefighter 1 Academy Module B	8
FTEC 295BL - Firefighter 1 Academy Module B Lab	3

Recommended Pathway

Prerequisites	**Units**
FTEC 111 - Fire Protection Organization	3
	Total 3
Summer	
EMT 101 - Emergency Medical Technician (EMT)	8
	Total 8
Fall	
FTEC 295AL - Firefighter 1 Academy Module A Lab	3
FTEC 295A - Firefighter 1 Academy Module A	8
FTEC 290A - Physical Fitness and Ability for the Firefighter	1
	Total 12
Spring	
FTEC 295B - Firefighter 1 Academy Module B	8
FTEC 290B - Physical Fitness and Ability for the Firefighter	1
FTEC 295BL - Firefighter 1 Academy Module B Lab	3
	Total 12
	Certificate Total 35

Wildland Firefighting Certificate (Noncredit)

The Wildland Firefighting Certificate of Completion provides students with foundational and advanced training in wildland firefighting. This noncredit program prepares students for employment as entry-level wildland firefighters and supports career advancement toward leadership positions. Students will complete intensive hands-on training in fire suppression, crew operations, leadership, and administrative duties consistent with NWCG guidelines. The program consists of FTW 900A (Wildland Firefighting Crew A) and FTW 900B (Wildland Firefighting Crew B).

Program Requirements
Wildland Firefighting Certificate Noncredit)
Required Courses (Total 189)

Complete all of the following	**Hours**
FTW 900A - Wildland Firefighting Crew A	94.5
FTW 900B - Wildland Firefighter Crew B	94.5

Recommended Pathway

Term 1	**Hours**
FTW 900A - Wildland Firefighting Crew A	94.5
	Total 94.5
Term 2	
FTW 900B - Wildland Firefighter Crew B	94.5
	Total 94.5
	Certificate Total 189

Wildland Fire Technology Cert

The Wildland Fire Technology program is designed to give students the necessary skills and knowledge in wildland fire management to obtain entry-level employment as a firefighter. Emphasis is placed on the use of tools and equipment, fire behavior, fire organization, basic EMS, hazardous materials, and the use of aircraft. Students will receive certificates for courses recognized as National Wildfire Coordinating Group curriculum in addition to the program certificate of completion.

Career Options:
Type II Hand Crewmember
Hot Shot Crewmember
Engine Crewmember
Fire Prevention Technician
Heli-Tack Crewmember

Program Requirements
Wildland Fire Technology Cert (Total 30)
Complete all of the following **Units**

Required Courses (Total 16)
Complete all of the following

FTW 121 - Wildland Firefighter	4
FTW 122 - Wildland Public Information Officer, Prevention, and Investigation	3
FTW 123 - Wildland Fire Operations	3
FTW 221 - Wildland Firefighter Safety and Survival	3
FTW 222 - Wildland Fire Behavior	3

Program Electives (Total 14)
Complete the following number of units: 14

EMT 101 - Emergency Medical Technician (EMT)	8
FTEC 111 - Fire Protection Organization	3
FTEC 112 - Fire Prevention Technology	3
FTEC 117 - Preparing to be a Firefighter	3
FTEC 125 - Hazardous Materials First Responder Operation	2
FTEC 199 - Work Experience Education	1 - 8
FTW 124 - Wildfire Chain Saws	1.5
FTW 223 - Wildland Engine Firefighter	4
FTW 224 - Wildland Fire Control	3
FTW 285 - NWCG Wildland Firefighter Academy	11
GEOG 201 - Map Interpretation and GPS	4
GEOG 205 - Introduction to Geographic Information Science (GIS)	3

Recommended Pathway

First Fall	**Units**
FTW 122 - Wildland Public Information Officer, Prevention, and Investigation	3
Program Electives (see list)	14
	Total 17
First Spring	
FTW 121 - Wildland Firefighter	4
FTW 221 - Wildland Firefighter Safety and Survival	3
	Total 7
Second Fall	
FTW 222 - Wildland Fire Behavior	3
FTW 123 - Wildland Fire Operations	3
	Total 6
	Certificate Total 30

Associate Degree

Fire Technology AS

Students who complete the associate degree have enhanced employability in the field of fire fighting. They are well prepared full-time, permanent positions rather than temporary, on-call positions. Additionally, they have enhanced for promotional opportunities into supervisory and management positions as they gain experience with various agencies. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Fire Technology AS (Total 30)
Complete all of the following **Units**

Required Courses (Total 18)
Complete all of the following

FTEC 109 - Principles of Fire and Emergency Services Safety and Survival	3
FTEC 111 - Fire Protection Organization	3
FTEC 112 - Fire Prevention Technology	3
FTEC 113 - Fire Protection Equipment and Systems	3
FTEC 211 - Fire Behavior and Combustion	3
FTEC 212 - Building Construction for the Fire Service	3

Program Electives (Total 12)
Complete the following number of units: 12

EMT 101 - Emergency Medical Technician (EMT)	8
FTEC 117 - Preparing to be a Firefighter	3
FTEC 125 - Hazardous Materials First Responder Operation	2
FTEC 215 - Rescue Practices	3
FTEC 290A - Physical Fitness and Ability for the Firefighter	1
FTEC 290B - Physical Fitness and Ability for the Firefighter	1
FTEC 295A - Firefighter 1 Academy Module A	8
FTEC 295AL - Firefighter 1 Academy Module A Lab	3
FTEC 295B - Firefighter 1 Academy Module B	8
FTEC 295BL - Firefighter 1 Academy Module B Lab	3
FTW 121 - Wildland Firefighter	4
FTW 122 - Wildland Public Information Officer, Prevention, and Investigation	3
FTW 123 - Wildland Fire Operations	3
FTW 124 - Wildfire Chain Saws	1.5
FTW 221 - Wildland Firefighter Safety and Survival	3
FTW 222 - Wildland Fire Behavior	3
FTW 223 - Wildland Engine Firefighter	4
FTW 224 - Wildland Fire Control	3
GEOG 201 - Map Interpretation and GPS	4

Recommended Pathway

Term 1	**Units**
FTEC 109 - Principles of Fire and Emergency Services Safety and Survival	3
FTEC 111 - Fire Protection Organization	3
FTEC 112 - Fire Prevention Technology	3
FTEC 113 - Fire Protection Equipment and Systems	3
AVC GE Area 1A (ENGL C1000)	4
	Total 16
Term 2	
FTEC 212 - Building Construction for Fire Service	3
Program Electives (EMT 101)	8
AVC GE Area 2	3
Program Electives (FTEC 290A)	1
	Total 15
Term 3	
FTEC 211 - Fire Behavior and Combustion	3
Program Electives (FTEC 117)	3
AVC GE Area 5	3
AVC GE Area 6	3
General Elective	3
	Total 15

Term 4	
AVC GE Area 1B	3
AVC GE Area 4	3
General Elective	3
General Elective	2
AVC GE Area 3	3
Total	**14**
Degree Total	**60**

Wildland Fire Technology AS

Students who complete the associate degree have enhanced employability in the field of fire fighting. They are well prepared full-time, permanent positions rather than temporary, on-call positions. Additionally, they have enhanced for promotional opportunities into supervisory and management positions as they gain experience with various agencies. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

This program requires 14 units of Program Electives to be completed. Program electives course options are listed, and students may pick any with minimum total of 14 units.

Program Requirements

Wildland Fire Technology AS (Total 40)

Complete all of the following	**Units**
Required Courses (Total 26)	
Complete all of the following	
FTW 121 - Wildland Firefighter	4
FTW 122 - Wildland Public Information Officer, Prevention, and Investigation	3
FTW 123 - Wildland Fire Operations	3
FTW 221 - Wildland Firefighter Safety and Survival	3
FTW 222 - Wildland Fire Behavior	3
FTW 223 - Wildland Engine Firefighter	4
FTW 224 - Wildland Fire Control	3
HE 100 - First Aid and Emergency Care	3
Program Electives (Total 14)	
Complete the following number of units: 14	
Program Electives	14
EMT 101 - Emergency Medical Technician (EMT)	8
FTEC 125 - Hazardous Materials First Responder Operation	2
FTEC 199 - Work Experience Education	1-8
FTW 124 - Wildfire Chain Saws	1.5
FTW 285 - NWCG Wildland Firefighter Academy	11
GEOG 201 - Map Interpretation and GPS	4
GEOG 205 - Introduction to Geographic Information Science (GIS)	3

Recommended Pathway

1st semester (Fall)	**Units**
FTW 122 - Wildland Public Information Officer, Prevention, and Investigation	3
HE 100 - First Aid and Emergency Care	3
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 2	3
AVC GE Area 5	3
Total	**16**

2nd Semester (spring)	
FTW 121 - Wildland Firefighter	4
FTW 221 - Wildland Firefighter Safety and Survival	3
FTW 224 - Wildland Fire Control	3
AVC GE Area 4	3
AVC GE Area 1B	3
Total	**16**
3rd Semester (fall)	
FTW 123 - Wildland Fire Operations	3
FTW 222 - Wildland Fire Behavior	3
FTW 223 - Wildland Engine Firefighter	4
AVC GE Area 3	3
Total	**13**
4th semester (spring)	
Program Electives (see list)	14
AVC GE Area 6	3
Total	**17**
Degree Total	**62**

Fire Technology Courses

FTEC 109 PRINCIPLES OF FIRE AND EMERGENCY SERVICES SAFETY AND SURVIVAL

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of or concurrent enrollment in FTEC 111.*

Introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout emergency service. (CSU, AVC)

FTEC 111 FIRE PROTECTION ORGANIZATION

3 Units

Total Course Lecture Hours 54

Provides an introduction to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. (C-ID: FIRE 100 X) (CSU, AVC)

FTEC 112 FIRE PREVENTION TECHNOLOGY

3 Units

Total Course Lecture Hours 54

Designed for the new student, the course provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationship of fire prevention with fire safety education and detection and suppression systems. (C-ID: FIRE 110 X) (CSU, AVC)

FTEC 113 FIRE PROTECTION EQUIPMENT AND SYSTEMS

3 Units

Total Course Lecture Hours 54

Provides information relating to the features of design and operation of fire detection and alarm systems, heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection and portable fire extinguishers. (C-ID: FIRE 120 X) (CSU, AVC)

FTEC 117 PREPARING TO BE A FIREFIGHTER

3 Units

Total Course Lecture Hours 54

Provides knowledge and skills needed to successfully complete the fire department employment process. Course includes what firefighters do, how firefighters are selected, memory and observation, tool knowledge, shop arithmetic, mechanical insight, mechanical knowledge, hydraulic calculations using mathematic formulas, calculation of square footage, cubic footage, percent of slopes, interpretation of symbols, spatial relations, map reading, reading comprehension, vocabulary, tables, charts, graphs, physical ability testing, resume preparation, fire department applications, and oral interviewing. (CSU, AVC)

FTEC 125 HAZARDOUS MATERIALS FIRST RESPONDER OPERATION

2 Units

Total Course Lecture Hours 36

Prepares the student to respond to hazardous materials incidents in a safe and competent manner at the operational level. Includes recognition and safety, containment and protective actions, scene management, legal aspects, and other information appropriate to this level of hazardous materials incident management. (CSU, AVC)

FTEC 170 FIRST RESPONDER FITNESS AND WELLNESS I

1 Units

Total Course Lab Hours 54

This course introduces students to the physical fitness requirements of firefighting and emergency response. Students will engage in cardiovascular, strength, and flexibility training tailored to the Candidate Physical Ability Test (CPAT) and fire academy readiness. Additional topics include injury prevention, stress management, hydration, and nutrition for optimal performance. Designed for students pursuing Fire Technology and Emergency Medical Services careers, this course builds foundational skills for occupational wellness and success in physically demanding training environments. (AVC)

FTEC 171 FIRST RESPONDER FITNESS AND WELLNESS II

1 Units

Total Course Lab Hours 54

Prerequisite: *Completion of FTEC 170.*

This course is a continuation of FTEC 170 and emphasizes advanced firefighter and first responder fitness training. Students engage in high-intensity cardiovascular conditioning, strength training, and functional movement patterns directly aligned with fire academy and occupational standards. Topics include advanced injury prevention, recovery techniques, nutrition for sustained performance, behavioral health, and long-term wellness planning. Designed to prepare students for the Candidate Physical Ability Test (CPAT), fire academy, and the physical demands of emergency service careers. (AVC)

FTEC 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

FTEC 211 FIRE BEHAVIOR AND COMBUSTION

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion or concurrent enrollment in FTEC 111.*

Theory and fundamentals of how and why fires start, spread, and are controlled; an in-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire control techniques. (C-ID: FIRE 140 X) (CSU, AVC)

FTEC 212 BUILDING CONSTRUCTION FOR THE FIRE SERVICE

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of or concurrent enrollment in FTEC 111.*

The study of the components of building construction that relate to fire safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at fires. The development and evolution of building and fire codes will be studied in relationship to past fires in residential, commercial, and industrial occupancies. (C-ID: FIRE 130 X) (CSU, AVC)

FTEC 215 RESCUE PRACTICES

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of or concurrent enrollment in FTEC 111.*

General and specific rescue applications ranging in complexity from simple to extremely complex. Includes rescue scene management, rescue vehicle and equipment, rope rescue, structural collapse rescue, elevator rescue, confined space rescue, water and ice rescue, trench rescue, and other special rescue situations. (AVC)

FTEC 290A PHYSICAL FITNESS AND ABILITY FOR THE FIREFIGHTER

1 Unit

Total Course Lab Hours 54

Prerequisite: *Completion of or concurrent enrolment in FTEC 295A.*

This course is designed to give in-service firefighters and interested students information about conditioning and fire department physical ability test designs and will include manipulative drills in order to be successful in passing California PAT's (Physical Abilities Tests). This course will provide information on the most recently developed tests in Southern California including the CPAT (Candidate Physical Abilities Test) and the Biddle (Biddle and Associate Validated Test). Students will learn about firefighter wellness programs, review basic nutrition and current NFPA (National Fire Protection Association) standards pertaining to firefighter health and safety. Student must be able to lift 75lbs., drag a 150 pound "drag dummy", and use a sledge hammer in completion of a physical abilities test. (CSU, AVC)

FTEC 290B PHYSICAL FITNESS AND ABILITY FOR THE FIREFIGHTER

1 Unit

Total Course Lab Hours 54

Prerequisite: *Completion of FTEC 290A and completion of or concurrent enrolment in FTEC 295B.*

This course is designed to give in-service firefighters and interested students information about conditioning and fire department physical ability test designs and will include manipulative drills in order to be successful in passing California PAT's (Physical Abilities Tests). This course will provide information on the most recently developed tests in Southern California including the CPAT (Candidate Physical Abilities Test) and the Biddle (Biddle and Associate Validated Test). Students will learn about firefighter wellness programs, review basic nutrition and current NFPA (National Fire Protection Association) standards pertaining to firefighter health and safety. Student must be able to perform Advanced firefighter activities including climbing, using sledge hammers, dragging 150lb dummies and wearing a self contained breathing apparatus. (CSU, AVC)

FTEC 295A FIREFIGHTER 1 ACADEMY MODULE A

8 Units

Total Course Lecture Hours 144

Limitation on Enrollment: *Formal acceptance into the Firefighter 1 Academy. Academy requires physical exertion, lifting of 40 or more pounds, ability to climb ladders, walk in irregular terrain, and pass Candidate Physical Agility Test (CPAT).*

Prerequisite *Completion of FTEC 111.*

Corequisite: *Concurrent enrollment in FTEC 295AL.*

Combined with FTEC 295B provides the student with the knowledge to meet California State Fire Training requirements for a Firefighter 1 Academy. This coursework is the first step toward Firefighter 1 Certification. Combines classroom coursework with hands on training. Coursework includes, but is not limited to: history and development of the fire service, organization command and control, communications and alarms, fire behavior, firefighter safety, personal protective equipment, self-contained breathing apparatus, portable fire extinguishers, water supply, fire hose and appliances, nozzles and fire streams, and protective systems. Students may have to purchase additional supplies not provided by the college. (CSU, AVC)

FTEC 295AL FIREFIGHTER 1 ACADEMY MODULE A LAB

3 Units

Total Course Lab Hours 162

Limitation on Enrollment: *Formal acceptance into the Firefighter 1 academy. The Academy requires physical exertion, lifting of 40 or more pounds, ability to climb ladders, walk in irregular terrain, and pass Candidate Physical Agility Test (CPAT).*

Corequisite: *Concurrent enrollment in FTEC 295A.*

Laboratory course designed to accompany FTEC 295A lecture. Students may have to purchase additional supplies not provided by the college, approximately $3200. (CSU, AVC)

FTEC 295B FIREFIGHTER 1 ACADEMY MODULE B

8 Units

Total Course Lecture Hours 144

Limitation on Enrollment: *Formal admission into the Firefighter 1 Academy. The academy requires physical exertion, lifting of 40 or more pounds, ability to climb ladders, walk in irregular terrain, and pass Candidate Physical Agility Test (CPAT).*

Prerequisite: *Completion of FTEC 295A and FTEC 295AL.*

Corequisite: *Concurrent enrollment in FTEC 295BL.*

Combined with FTEC 295A, 295B provides the student with the knowledge to meet California State Fire Training requirements for a Firefighter 1 Academy. This course is the second step toward Firefighter 1 Certification. The course combines classroom coursework with hands on training. Coursework includes, but is not limited to: building construction, ladders, ropes and knots, rescue procedures, forcible entry, ventilation, fire suppression, salvage, fire cause determination, fire prevention, first aid, hazardous materials, and terrorism awareness. Students may have to purchase additional supplies not provided by the college, approximately $3200.00. (CSU, AVC)

FTEC 295BL FIREFIGHTER 1 ACADEMY MODULE B LAB

3 Units

Total Course Lab Hours 162

Limitation on Enrollment: *Formal admission into the Firefighter 1 Academy. This academy requires physical exertion, lifting of 40 or more pounds, ability to climb ladders, walk in irregular terrain, and pass Candidate Physical Agility Test (CPAT).*

Prerequisite: *Completion of FTEC 295A and FTEC 295AL.*

Corequisite: *Concurrent enrollment in FTEC 295B.*

Laboratory course designed to accompany FTEC 295B lecture. Students may have to purchase additional supplies not provided by the college. (CSU, AVC)

Wildland Fire Technology Courses

FTW 121 WILDLAND FIREFIGHTER

4 Units

Total Course Lecture Hours 63

Total Course Lab Hours 27

Prepares the student for entry-level employment on a wildland fire crew. Meets the basic training requirements for the U.S. Forest Service firefighter qualification system, through National Wildfire Coordinating Group (NWCG) and Federal Emergency Management Agency (FEMA) basic firefighter training courses. NWCG courses include S-130, S-190, L-180, FEMA IS-100.b and IS-700.a. This course provides Classroom, and field exercises and arduous physical conditioning including hiking with up to 45 pounds of weight and other strenuous outdoor activities will prepare the student for a position as a Firefighter Type 2 (FFT2). This course is intended for students who wish to pursue a career with a wildland fire suppression agency or for a specialty with a municipal fire control agency. Students may have to purchase additional supplies not provided by the college. (CSU, AVC) (R unlimited) *This course provides the opportunity to apply for the AVC Marauders Fire Crew.

FTW 122 WILDLAND PUBLIC INFORMATION OFFICER, PREVENTION, AND INVESTIGATION

3 Units

Total Course Lecture Hours 54

Instructional materials fee required for this course and must be paid at registration. Presents information necessary to understand roles and functions of the Wildland Fire Information Officer, Wildland Fire Prevention Officer, and Wildland Fire Investigation Officer. Meets the basic training requirements for the U.S. Forest Service firefighter qualification system, through National Wildfire Coordinating Group (NWCG) and Federal Emergency Management Agency (FEMA). These NWCG courses include S-203, FI-110, and P-101. Intended for students to pursue a career with a wildland fire Protection agency. (CSU, AVC)

FTW 123 WILDLAND FIRE OPERATIONS

3 Units

Total Course Lecture Hours 54

Presents the command structure and operational process for ground and air operations in control of wildland fires. Introduces the fire suppression oriented student to the needs and timing for logistical, finance and planning assistance on wildland fires. Intended for students to pursue a career with a wildland fire suppression agency or for a specialty within a municipal fire control agency. (CSU, AVC)

FTW 124 WILDFIRE CHAIN SAWS

1.5 Units

Total Course Lecture Hours 22.5

Total Course Lab Hours 13.5

Limitations on Enrollment: *The course requires arduous physical exertion, lifting of 40 lbs or more pounds, and walk in irregular terrain.*

Prerequisite: *Completion of or concurrent enrollment in FTW 121 or FTW 285, and completion of HE 100.*

Provides the knowledge needed to become a wildfire powersaw operator. Covers safety considerations, techniques of saw operation, maintenance and repairs. Wildfire power saws (S-212) is identified training in the National Wildfire Coordinating Group Suppression Curriculum. Intended for students to pursue a career with a wildland fire management agency or for a specialty with a municipal fire control agency. (CSU, AVC)

FTW 221 WILDLAND FIREFIGHTER SAFETY AND SURVIVAL

3 Units

Total Course Lecture Hours 54

This course is intended for students who are planning to pursue a career with a wildland fire. The course places emphasis on avoiding situations and conditions which have resulted in fire shelter deployments, injuries, fatalities for wildland firefighters and the methods to avoid this type of situation and to survive should they become entrapped. (CSU, AVC)

FTW 222 WILDLAND FIRE BEHAVIOR

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of or concurrent enrollment in one of the following FTW 121, FTW 123, FTW 224, or FTW 285.*

This course is intended for students that have completed a basic wildland firefighter training course and desires a greater understanding of wildland fire behavior. This provides information necessary for a greater understanding of wildland fire behavior and fire behavior calculations. The effects of fuels, topography, and weather are discussed. Curricula is based off of National Wildfire Coordinating Group (NWCG) S-290. Intended for students to pursue a career with a wildland fire suppression agency or for a specialty within a municipal fire control agency. (C-ID: FIRE 241 X) (CSU, AVC)

FTW 223 WILDLAND ENGINE FIREFIGHTER

4 Units

Total Course Lecture Hours 63

Total Course Lab Hours 27

Prerequisite : *Completion of or concurrent enrollment in one of the following: FTW 121, FTW 123, FTW 224, or FTW 285.*

This course prepares the student for employment on a wildland fire engine. Includes engine operations, hose lays, and related skills. Intended for students to pursue a career with a wildland fire management agency or for a specialty with a municipal fire control agency. This course IS NOT intended to cover the Basic Wildland Firefighter skills training. (CSU, AVC)

FTW 224 WILDLAND FIRE CONTROL

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of or concurrent enrollment in FTW 121, FTW 123, or FTW 285.*

This course provides the student with the skills and knowledge to size up a wildland /urban interface fire incident, evaluate the potential situation, order and deploy the necessary resources, and apply safe and effective strategy and tactics to minimize the threat to life and loss of property. (CSU, AVC)

FTW 285 NWCG WILDLAND FIREFIGHTER ACADEMY

11 Units

Total Course Lecture Hours 153

Total Course Lab Hours 144

Limitation on Enrollment: *Formal acceptance into the Wildland Firefighter Academy. The academy requires physical exertion, lifting 40 or more pounds, walking in irregular terrain, arduous physical conditioning including hiking with up to 45 pounds of weight and other strenuous outdoor activities.*

This course provides students seeking wildland training and certification at the Type 2 level. Provides instruction in wildland fire behavior, hazard recognition, human factors in high-risk environments, basic incident command system, radio operations, and documentation. that will prepare the student for a position as a Firefighter Type 2 (FFT2). The Academy Meets the basic training requirements for the U.S. Forest Service firefighter qualification system, through National Wildfire Coordinating Group (NWCG) and Federal Emergency Management Agency (FEMA) basic firefighter training courses. NWCG courses include S-130, S-190, L-180, FEMA IS-100.b and IS-700.a. Students meeting all requirements will have the opportunity to apply for AVC Marauders Fire Crew. The academy exceeds the minimum training requirements for the United States Forest Service (USFS) certification purposes for entry-level wildland firefighters. Upon completion of this course, a certificate will be awarded by the National Wildfire Coordination Group. (CSU, AVC) Students may have to purchase additional supplies not provided by the college.

Wildland Fire Technology Non Credit Courses

FTW 900A WILDLAND FIREFIGHTING CREW A

0 Units

Total Course Lab Hours 94.5

Limitation on Enrollment: *Formal acceptance to the Marauders Fire Crew.*

Prerequisites: *FTW 121 or FTW 285.*

This course focuses on development of fundamental wildland Firefighting and basic components of competent Wildland Firefighters. This course is designed to prepare students for the entry workforce and improvement within the current workforce. Students will develop the skills necessary to become a Wildland Firefighter. (R unlimited)

FTW 900B WILDLAND FIREFIGHTER CREW B

0 Units

Total Course Lab Hours 94.5

Limitation on Enrollment: *Formal acceptance to the Marauders Fire Crew.*

Prerequisites: *Completion of FTW 900A.*

This course is designed to provide students with the necessary tools and skills to assist them in the transition to a full-time employee. Some activities include taking leadership roles during skills time management, administration duties - OF288's, casual hire paperwork, writing for the job, and improvement skills related to FFT 1 task books. (R unlimited)

Department Description

Our French program provides students with the foundation needed to be able to communicate effectively. Students in our French program develop reading, writing, and speaking skills as well as aural comprehension. Additionally, students will gain an acquaintance with the literature, history, and culture of French-speaking countries, demonstrate cultural knowledge, and use technology to develop language and cultural competence. All courses in French are transfer-level. French is adapted to careers in international business or trade, telecommunications, fashion, the gourmet food industry, medical research, international law, diplomacy and the foreign service, aerospace technology and careers in the arts and humanities.

Associate Degree/Certificate

No degrees or certificates are currently offered.

French Courses

FREN 101 ELEMENTARY FRENCH 1

5 Units

Total Course Lecture Hours 90

Advisory: *Eligibility for ENGL C1000 (ENGL 101) or placement by multiple measures.*

Introduction to understanding, speaking, reading and writing French. Emphasis is on the vocabulary, grammar and cultural knowledge necessary to communicate in everyday situations. Course will include work in pairs and small groups so that students will be active learners. The basic geography and history of French-speaking countries will also be covered. Students will also be introduced to critical thinking, such as it pertains to the comparisons of different value systems. They will use various Francophone perspectives to examine, compare, and contrast issues and values such as family, holidays, religion, politics, education, children, work, and contrast them with their own culture. (UC, CSU, AVC)

FREN 102 ELEMENTARY FRENCH 2

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of FREN 101.*

Course continues the work of FREN 101 on understanding, speaking, reading, and writing French. Emphasis is on the vocabulary, grammar, and cultural knowledge necessary to communicate in everyday situations. Course will include work in pairs and small groups so that students will be active learners. A more in-depth knowledge of geography and history of French-speaking countries will also be covered. The course will be conducted entirely in French. Students will also be introduced to critical thinking, such as it pertains to the comparisons of different value systems. They will use various Francophone perspectives to examine, compare, and contrast issues and values such as family, holidays, religion, politics, education, children, and work, and contrast them with their own culture. (UC, CSU, AVC)

FREN 201 INTERMEDIATE FRENCH 1

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of FREN 102.*

This course is a comprehensive intermediate French program that uses culture as the organizing principle to its communicative approach in the teaching of reading, writing, listening, speaking ability and critical thinking. A variety of texts, including contemporary short stories, poems, newspapers and magazine articles, excerpts from essays and literary works will be read and discussed. Students will also see videos, sing songs, and hear short lectures. Classwork includes Web activities, reading aloud, working in groups or pairs, review of grammar and practice exercises. The major historical periods, events, cultures, and political figures of French and Francophone countries will be introduced. The course is conducted entirely in French and is intended for French majors, students studying literature or linguistics or other subjects that require more than two semesters of a foreign language, or those seeking to broaden or maintain their proficiency in French language and French and French-speaking cultures. (UC, CSU, AVC)

FREN 202 INTERMEDIATE FRENCH 2

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of FREN 201.*

This course continues to develop students' ability to read, write, speak, and comprehend French. Students will read and discuss intermediate literary and non-literary texts. Grammar will be reviewed as necessary through brief lectures and exercises. Major twentieth century French and Francophone authors will be introduced through readings and discussion. Cultural and social issues will be discussed. The course is conducted entirely in French and is intended for French majors, students studying literature or linguistics or other subjects that require more than two semesters of a foreign language, or those seeking to broaden or maintain their proficiency in French. (UC, CSU, AVC)

FREN 203 ADVANCED FRENCH

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of FREN 202.*

Reading and discussion of literary texts. Students will also read contemporary non-literary texts, such as newspapers, magazines and essays on topics of current interest. Course includes advanced vocabulary building, essay writing and critical analysis of literary and non-literary texts. The course is conducted entirely in French and is intended for French majors, students studying literature or linguistics or other subjects that require more than two semesters of a foreign language, or those seeking to broaden or maintain their proficiency in French language and French and French-speaking cultures. (UC, CSU, AVC)

Department Description

Geosciences

The Geosciences include the disciplines of Geography, Geographic Information Systems (GIS), and Geology. These disciplines all explore Earth's surface.

The study of geography prepares students for transfer to four-year institutions and gives them skills to understand the spatial relationships that surround them. Geographic skills complement many other academic fields. See GIS Certificate Program below. The field of geography explores spatial relationships and the patterns created by humans and the natural environment on Earth's surface. All geography courses are transferable to CSU and UC institutions.

The GIS certificate program allows geography and other majors to transfer into four-year geography programs having completed a documented specialization in GIS that includes marketable job skills that can be used concurrently with the pursuit of advanced degrees. The GIS certificate program will benefit persons with previous training in a variety of fields by allowing them to gain new skills that can be applied in their place of employment. GIS is a multibillion-dollar industry employing hundreds of thousands worldwide in many fields, including Environmental Sciences and Protection, Regional and Urban Planning, and Transportation.

The study of geology prepares students for transfer to four-year institutions and gives them the skills to understand the chemical composition, age and varied landscapes of the earth as examined through investigation of rocks and minerals. The field of geology explores Earth's geologic features and the processes responsible for their formation. All geology courses are transferable to CSU and UC institutions.

Program Learning Outcomes

Geographic Information Systems Cert

1. Apply the steps to construct a normalized geodatabase.
2. Use the proper cartographic representations necessary to express spatial information.
3. Recognize and apply the proper geoprocessing tools and spatial statistics to solve geographic problems.
4. Be able to successfully design, implement, and complete a GIS project.

Geography AA-T

1. Students will understand the unifying themes of physical geography and have a working knowledge of the discipline's diverse conceptual and methodological approaches.
2. Students will understand the unifying themes of cultural geography and have a working knowledge of the discipline's diverse conceptual and methodological approaches.
3. Display competency in the graphic expression of geographic/spatial data (maps, photographs, graphs, databases).

Geology AS-T

1. Students will understand the unifying principles of physical and historical geology and have a working knowledge of the discipline's diverse conceptual and methodological approaches.
2. Students will understand the relevance of the scientific method and have a working knowledge of how the scientific method applies to the study and evaluation of physical and historical geologic principles.
3. Students will be able to comprehend and explain the interrelationships between geology and the other scientific disciplines.

Geology Fundamentals Cert

1. Students will understand the unifying principles of physical and historical geology and have a working knowledge of the discipline's diverse conceptual and methodological approaches.
2. Students will understand the relevance of the scientific method and have a working knowledge of how the scientific method applies to the study and evaluation of physical and historical geologic principles.
3. Students will be able to comprehend and explain the interrelationships between geology and the other scientific disciplines.

Certificate Program

Geographic Information Systems Cert

The GIS certificate program allows geography and other majors to transfer into four-year geography programs having completed a documented specialization in GIS that includes marketable job skills that can be used concurrently with the pursuit of advanced degrees. The GIS certificate program will benefit persons with previous training in a variety of fields by allowing them to gain new skills that can be applied in their place of employment. Students who successfully complete the certificate requirements may apply for entry-level positions in geographic information systems, mapping and spatial data support, geospatial analysis support, and GIS technician work in public agencies, private industry, and related fields.

Program Requirements

Geographic Information Systems Cert (Total 15)

Complete all of the following	**Units**
GEOG 205 - Introduction to Geographic Information Science (GIS)	3
GEOG 220 - Data Acquisition and Management in Geographic Information Science (GIS)	3
GEOG 221 - Spatial Analysis in Geographic Information Science (GIS)	3
GEOG 222 - Cartography for Geographic Information Science (GIS)	3
GEOG 298C - Special Studies in Geographic Information Science (GIS)	3

Recommended Pathway

Term 1	**Units**
GEOG 205 - Introduction to Geographic Information Science (GIS)	3
	Total 3
Term 2	
GEOG 220 - Data Acquisition and Management in Geographic Information Science (GIS)	3
GEOG 221 - Spatial Analysis in Geographic Information Science (GIS)	3
	Total 6
Term 3	
GEOG 222 - Cartography for Geographic Information Science (GIS)	3
GEOG 298C - Special Studies in Geographic Information Science (GIS)	3
	Total 6
	Certificate Total 15

Geology Fundamentals Cert

A student completing the Geology Fundamentals Certificate will gain a solid grounding in the basic principles that underlie Geology. This certificate provides both academic preparation for and a pathway to internships. When combined with further study, it will lead to the Geology Associate in Science Degree for Transfer (AS-T), and/or transfer. This certificate is intended to be completed at the beginning of a student's course of study, while they are at the freshman level.

Program Requirements
Geology Fundamentals (Total 8)
Complete the following number of units: 8

Physical Geology Lecture Honors Option (Total 3)
Complete the following number of units: 3

GEOL 101 - Physical Geology	3
GEOL 101H - Physical Geology Honors	3

Core Courses (Total 5)
Complete all of the following

GEOL 101L - Physical Geology Lab	1
GEOL 102 - Historical Geology	3
GEOL 102L - Historical Geology Laboratory	1

Recommended Pathway

Term 1	**Units**
GEOL 101 - Physical Geology ***OR*** GEOL 101H - Physical Geology Honors	3
GEOL 101L - Physical Geology Lab	1
	Total 4
Term 2	
GEOL 102 - Historical Geology	3
GEOL 102L - Historical Geology Laboratory	1
	Total 4
	Certificate Total 8

Associate Degrees

Geography AA-T

The Associate in Arts in Geography for Transfer (AA-T in Geography) degree prepares students to seamlessly transfer to a baccalaureate program in geography. The program provides students with a well-rounded introduction to the physical and social science aspects of geography as well as the technology and techniques used by professional geographers. Students working toward the degree will complete survey courses in the two main sub-disciplines: physical and cultural geography. Students will also have the opportunity to focus their studies on one of these sub-disciplines or to continue a broad study of geography.

The Associate in Arts in Geography for Transfer (AA-T in Geography) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn an Associate in Arts in Geography for Transfer (AA-T in Geography) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Geography AA-T (Total 19 - 20)

Complete all of the following	**Units**
Required Courses (Total 7)	
Complete the following number of units: 7	
Required Courses (Total 4)	
Complete all of the following	
GEOG 101 - Physical Geography: Earth's Surface Landscapes	3
GEOG 101L - Physical Geography Lab: Earth's Surface Landscapes	1
Required Course: Choose one (Total 3)	
Complete the following number of units: 3	
GEOG 105 - Cultural Geography	3
GEOG 110 - World Regional Geography	3
Required Electives A (Total 6 - 7)	
Complete the following number of units: 6-7	
GEOG 102 - Physical Geography: Earth's Weather & Climate	3
GEOG 106 - California Geography	3
GEOG 201 - Map Interpretation and GPS	4
GEOG 205 - Introduction to Geographic Information Science (GIS)	3
GEOG 299 - Special Topics-Field Geography	1
Required Electives B Or Any List A course not already used. (Total 6)	
Complete the following number of units: 6	
Required Electives B (Total 3)	
Complete the following number of units: 3	
ANTH 102 - Introduction to Cultural Anthropology	3
Required Electives B (Total 3)	
Complete the following number of units: 3	
GEOL 101 - Physical Geology	3
GEOL 101H - Physical Geology Honors	3

Recommended Pathway

Term 1	**Units**
GEOG 101 - Physical Geography: Earth's Surface Landscapes	3
GEOG 101L - Physical Geography Lab: Earth's Surface Landscapes	1
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 2 (STAT C1000)	4
Cal-GETC GE Area 3A	3
	Total 15
Term 2	
GEOG 105 - Cultural Geography	3
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 5B	3
Required Electives A (GEOG 201)	4
	Total 16

Term 3	
Required Electives A (GEOG 102 ***OR*** GEOG 106)	3
Required Electives B (see list)	3
Cal-GETC GE Area 3B	3
Required Electives A (GEOG 205)	3
Cal-GETC GE Area 6	3
Total	**15**
Term 4	
Cal-GETC GE Area 4	3
Cal-GETC GE Area 4	3
General Elective	3
General Elective	3
General Elective	2
Total	**14**
Degree Total	**60**

Geology AS-T

The Associate in Science in Geology for Transfer (AS-T in Geology) degree provides a path to students who wish to transfer to a CSU campus in Geology and serves the diverse needs of students who wish to obtain a broad and an in-depth understanding of the field. The Associate in Science in Geology for Transfer (AS-T in Geology) degree allows students to learn the fundamental principles and practices of Geology in order to create a solid foundation for their future personal, academic, or vocational endeavors. The Associate in Science in Geology for Transfer (AS-T in Geology) degree also provides a solid preparation appropriate for a variety of scientific disciplines. The Associate in Science in Geology for Transfer degree (AS-T in Geology) provides students with a major that fulfills the general requirements of the California State University for transfer, and students with the Associate in Science in Geology for Transfer degree (AS-T in Geology) will receive priority admission with junior status to the California State University system.

The Associate in Science in Geology for Transfer (AS-T in Geology) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn an Associate in Science in Geology for Transfer (AS-T in Geology) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements

Geology AS-T (Total 27)	
Complete the following number of units: 27	**Units**
Physical Geology (Total 3)	
Complete the following number of units: 3	
GEOL 101 - Physical Geology	3
GEOL 101H - Physical Geology Honors	3
Required Courses (Total 24)	
Complete all of the following	
GEOL 101L - Physical Geology Lab	1
GEOL 102 - Historical Geology	3
GEOL 102L - Historical Geology Laboratory	1
CHEM 110 - General Chemistry	5
CHEM 120 - General Chemistry	5
MATH 150 - Calculus and Analytic Geometry	5
MATH 160 - Calculus and Analytic Geometry	4

Recommended Pathway

Term 1	**Units**
CHEM 110 - General Chemistry	5
MATH 150 - Calculus and Analytic Geometry	5
Cal-GETC GE Area 1A (ENGL C1000)	4
Total	**14**
Term 2	
CHEM 120 - General Chemistry	5
MATH 160 - Calculus and Analytic Geometry	4
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 4 (GEOG 106)	3
Total	**15**
Term 3	
GEOL 101 - Physical Geology	3
GEOL 101L - Physical Geology Lab	1
Cal-GETC GE Area 5B (BIOL 104)	3
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 4	3
General Elective	3
Total	**16**
Term 4	
GEOL 102 - Historical Geology	3
GEOL 102L - Historical Geology Laboratory	1
Cal-GETC GE Area 3A	3
Cal-GETC GE Area 3B	3
Cal-GETC GE Area 6	3
General Elective	2
Total	**15**
Degree Total	**60**

Geography Courses

GEOG 101 PHYSICAL GEOGRAPHY: EARTH'S SURFACE LANDSCAPES

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of Intermediate Algebra or higher or placement by multiple measures.*

This course is an introduction to the spatial analysis of Earth's dynamic processes and systems. Students will learn about the planet's position in the solar system and the sun's effects on our atmosphere and surface environments. Students will explore the role of plate tectonics, volcanism and earthquakes in building Earth's surface as well as the forces that erode and modify landforms. The interactions between climates, water, soils, and ecosystems will also be explored. Tools of geographic inquiry are also briefly covered, such as maps, remote sensing, Geographic Information Systems (GIS) and the Global Positioning System (GPS). (C-ID: GEOG 110) (UC, CSU, AVC)

GEOG 101L PHYSICAL GEOGRAPHY LAB: EARTH'S SURFACE LANDSCAPES

1 Unit

Total Course Lab Hours 54

Prerequisite: *Completion of or concurrent enrollment in GEOG 101 and completion of Intermediate Algebra or higher or placement by multiple measures.*

Provides students with a hands-on introduction to the processes at work shaping Earth's surfaces. This class provides an introduction to the methods used to present spatial relationships found in our physical environment. Students will identify, explore, analyze, and compare methods used in mapping and expressing spatial relationships. Students will develop fundamental geographic skills that can be used in variety of professional situations. (C-ID: GEOG 111) (UC, CSU, AVC)

GEOG 102 PHYSICAL GEOGRAPHY: EARTH'S WEATHER & CLIMATE

3 Units

Total Course Lecture Hours 54

Advisory: *Eligibility for ENGL C1000 or ENGL C1000H, Completion of Intermediate Algebra or higher or placement by multiple measures.*

This course examines Earth's weather and climate patterns from a geographic perspective. Students explore the basic principles of weather and climate as well as causes and effects. Emphasis is placed on understanding various elements and controls of weather and climate as well as interpreting weather maps and charts. Techniques and principles involved in interpreting weather data, weather charts and maps and weather forecasting will also be introduced. (C-ID: GEOG 130) (UC, CSU, AVC)

GEOG 102L PHYSICAL GEOGRAPHY LAB: EARTH'S WEATHER & CLIMATE

1 Unit

Total Course Lab Hours 54

Prerequisite: *Completion of or concurrent enrollment in GEOG 102.*

This course provides hands-on experience in understanding, defining and interpreting the basic principles of weather and climate topics presented in GEOG 102. Emphasis is placed on understanding various elements and controls of weather and climate, making and interpreting weather maps and charts. Techniques and principles involved in interpreting weather data, weather charts and maps and weather forecasting will also be introduced. (UC, CSU, AVC)

GEOG 105 CULTURAL GEOGRAPHY

3 Units

Total Course Lecture Hours 54

An introduction to the fundamental concepts of human geography allowing students to explore the spatial patterns created by the interactions of diverse ethnic groups. Students will use basic geographic concepts to explore relationships between human cultures and their environments, race and ethnicity, diffusion of languages, religions and social customs. Students will explore issues in human population dynamics and migrations and investigate impacts of patterns created by political boundaries and economic development. NOTE: Does not meet Physical Science requirement. (C-ID: GEOG 120) (UC, CSU, AVC)

GEOG 106 CALIFORNIA GEOGRAPHY

3 Units

Total Course Lecture Hours 54

This course explores California's diverse physical, cultural, and economic geography. We will be exploring the many relationships between the State's past, present and future physical, historical, cultural and economic landscapes as we examine California's modern landscapes. We also explore issues faced by all Californians including but not limited to growing population, limited resources, water, urbanization, and agriculture. This course will be valuable for geography majors, future teachers, transfer students, and anyone with an interest in California. (C-ID: GEOG 140) (UC, CSU, AVC)

GEOG 110 WORLD REGIONAL GEOGRAPHY

3 Units

Total Course Lecture Hours 54

Survey of the world's culture regions and nations as interpreted by geographers, including physical, cultural, economic features. Emphasis on spatial influences on population growth, transportation networks, and natural environments. Identification and importance of the significant features of regions. (C-ID: GEOG 125) (UC, CSU, AVC)

GEOG 201 MAP INTERPRETATION AND GPS

4 Units

Total Course Lecture Hours 72

Advisory: *Eligibility for ENGL C1000 (ENGL 101) or placement by multiple measures.*

This course will provide students with the skills necessary to interpret maps. Projection and reference systems, scale concepts, coordinate systems, topographic maps, air photo interpretation, use of compasses and clinometers will be explored. Students will also cover the basics of how GPS works and examine some of the ways GPS technologies can be used to solve real-world problems. Students will gain hands-on experience mapping field-collected data and importing the data to computer mapping software. Students will be required to participate in a minimum of 18 hours of supervised off-campus field application sessions. This class will meet needs of geography, geology, archaeology, wildlife biology and fire technology students. (C-ID: GEOG 150) (UC, CSU, AVC)

GEOG 205 INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE (GIS)

3 Units

Total Course Lecture Hours 54

This course introduces the fundamentals of Geographic Information Science (GIS) and its applications to spatial data management. Students will learn about GIS data, assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Spatial analysis and modeling with GIS will also be introduced. This course is intended for Geography/GIS majors and persons interested using GIS in professional settings. NOTE: Does not meet Physical Science requirement. (C-ID: GEOG 155) (UC, CSU, AVC)

GEOG 220 DATA ACQUISITION AND MANAGEMENT IN GEOGRAPHIC INFORMATION SCIENCE (GIS)

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of, or concurrent enrollment in, GEOG 205.*

This course provides a general survey of basic methods of data acquisition, database design and management for Geographic Information Science (GIS). This course focuses on the specific data requirements of GIS. Students will examine methods of digitizing pre-existing data and explore database development and management. Students will use their knowledge to complete GIS projects. BEFORE ENROLLING, students must have the computer skills, knowledge of georeferencing, coordinate systems, processes of data capture, data management and analysis and the skills necessary to produce a GIS map gained in GEOG 205. This course is intended for geography/ GIS majors and persons using GIS in professional settings. (CSU, AVC)

GEOG 221 SPATIAL ANALYSIS IN GEOGRAPHIC INFORMATION SCIENCE (GIS)

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of, or concurrent enrollment in, GEOG 205.*

This course provides a general survey of the fundamentals of spatial information systems and a survey of quantitative techniques applicable to spatial data. This course is focused on the functionality of GIS as an effective tool for modeling and analyzing complex spatial relationships. The applications of a variety of quantitative methods will be explored using GIS software including ArcGIS and ArcInfo. Students will use their knowledge to complete a GIS project. BEFORE ENROLLING, students must have computer skills, knowledge of georeferencing, coordinate systems, processes of data capture, data management and analysis and the skills necessary to produce a GIS map. This course is intended for Geography/GIS majors and persons using GIS in professional settings. NOTE: Does not meet Physical Science Requirement. (UC, CSU, AVC)

GEOG 222 CARTOGRAPHY FOR GEOGRAPHIC INFORMATION SCIENCE (GIS)

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of, or concurrent enrollment in, GEOG 205.*

This course provides a general survey of basic methods used for the presentation of geographic information science (GIS) data and analysis. Students will examine methodology used in the presentation of spatial data. Students will use their cartographic skills to complete their GIS projects. BEFORE ENROLLING, students must have the computer skills, knowledge of geo-referencing, coordinate systems, processes of data capture, data management and analysis and the skills necessary to produce a GIS map gained in GEOG 205. This course is intended for Geography/GIS majors and persons using GIS in professional settings. (CSU, AVC)

GEOG 298C SPECIAL STUDIES IN GEOGRAPHIC INFORMATION SCIENCE (GIS)

3 Units

Total Course Lecture Hours 18

Total Course Lab Hours 108

Prerequisite: *Completion of GEOG 205.*

This course provides students with the opportunity to work independently on a geographic information science (GIS) project. Students will use GIS skills to collect data, model, analyze, and visualize complex spatial relationships. In GEOG 298C, students will create a project major in scope that will be the equivalent of a 3 unit course. BEFORE ENROLLING students must have computer skills, knowledge of georeferencing, coordinate systems, process of data capture, data management and analysis, and the skills necessary to produce a GIS map. This course is intended for Geography/GIS majors and persons interested in using GIS in professional settings. Students will enroll in the section that will match their specific project time commitment and be awarded units accordingly. (CSU, AVC)

GEOG 299 SPECIAL TOPICS-FIELD GEOGRAPHY

1 Unit

Total Course Lecture Hours 18

Advisory: *Completion of or concurrent enrollment in GEOG 101, GEOG 102, GEOG 106, GEOL 101 or ERSC 101.*

This course will allow students opportunities to observe geographic phenomenon in field setting covered in classroom lectures. Students will become familiar with some of the basic techniques used in observing, identifying, describing, mapping and recording field data. Specific features to be observed will be chosen for each trip based on destinations and themes. This course will be valuable for all geography, science, natural resource and planning majors, future teachers and anyone interested in our natural environment. (C-ID: GEOG 160) (CSU, AVC)

Geology Courses

GEOL 101 PHYSICAL GEOLOGY

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of Intermediate Algebra or higher or placement by multiple measures.*

An introduction to the principles of geology with emphasis on Earth processes. This course focuses on the internal structure and origin of the Earth and the processes that change and shape it. (UC, CSU, AVC) (C-ID: GEOL 100)

GEOL 101H PHYSICAL GEOLOGY HONORS

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of Intermediate Algebra or higher or Placement by Multiple Measures.*

This honors course, intended for students in the Honors Transfer Program, is an introduction to the principles of geology with emphasis on Earth processes. This course focuses on the internal structure and origin of the Earth and the processes that change and shape it. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. (UC, CSU, AVC) (C-ID: GEOL 100) Note: Students may take either GEOL 101 Physical Geology or GEOL 101H Physical Geology Honors. Duplicate credit will not be awarded.

GEOL 101L PHYSICAL GEOLOGY LAB

1 Unit

Total Course Lab Hours 54

Prerequisite: *Completion of or concurrent enrollment in GEOL 101 or GEOL 101H. Completion of Intermediate Algebra or higher or placement by multiple measures.*

Physical Geology Laboratory provides students with hands-on identification of rocks and minerals, as well as topographic and geologic map exercises demonstrating the work of water, wind, ice and gravity and effects of tectonic activity. Students who took GEOL 101 more than two years previously should consider auditing GEOL 101. (C-ID: GEOL 100L) (UC, CSU, AVC)

GEOL 102 HISTORICAL GEOLOGY

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of GEOL 101 or ERSC 101 or BIOL 120 or ANTH 101 or GEOG 101.*

Historical geology is an introduction to Earth's history and the life it supports. Subjects include geologic dating, global tectonics, stratigraphy, fossils, biological evolution, the planet's origin and the processes that have influenced paleogeography during the past 4.6 billion years. (C-ID: GEOL 110) (UC, CSU, AVC)

GEOL 102L HISTORICAL GEOLOGY LABORATORY

1 Unit

Total Course Lab Hours 54

Prerequisite: *Completion of or concurrent enrollment in GEOL 102.*

Historical Geology Laboratory provides the laboratory component to an introduction to Earth's history and the life it supports. Subjects include geologic dating, plate tectonics, stratigraphy, fossils, biological evolution, the planet's origin and the processes that have influenced paleogeography during the past 4.6 billion years. (C-ID: GEOL 110L) (UC, CSU, AVC)

Department Description

Our German program provides students with the foundation needed to be able to communicate effectively. Students in our German program develop reading, writing, and speaking skills as well as aural comprehension. Additionally, students will gain an acquaintance with the literature, history, and culture of German-speaking countries, demonstrate cultural knowledge, and use technology to develop language and cultural competence. All courses in German are transfer-level. German is adapted to careers in international business or trade, telecommunications, fashion, the gourmet food industry, medical research, international law, diplomacy and the foreign service, aerospace technology, and careers in the arts and humanities.

Associate Degree/Certificate

No degrees or certificates are currently offered.

German Courses

GER 101 ELEMENTARY GERMAN 1

5 Units

Total Course Lecture Hours 90

This introductory course in German develops students' ability to speak, read, write and comprehend German. Emphasis is on the vocabulary, grammar and cultural knowledge necessary to communicate in everyday situations. The course includes work in pairs and small groups so that students will be active learners. Class will be conducted primarily in German with minimal use of translation. (UC, CSU, AVC)

GER 102 ELEMENTARY GERMAN 2

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of GER 101.*

This course, the second semester of elementary level German, continues to develop students' ability to speak, read, write and understand German. Emphasis is on the vocabulary, grammar and cultural knowledge necessary to communicate in everyday situations. The course includes work in pairs and small groups so that students will be active learners. The class will be conducted entirely in German. (UC, CSU, AVC)

GER 201 INTERMEDIATE GERMAN 1

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of GER 102.*

This course develops students' reading, writing, aural comprehension and speaking abilities. Students read and discuss a variety of texts. Students may also hear radio emissions, video or television clips, songs and short lectures. Course includes information on contemporary issues such as environmental problems, music, feminism, multiculturalism, cultural and political history or regional linguistic variations. Activities include reading aloud, group discussions, and work in groups or pairs. This course, conducted entirely in German, is intended for German majors and minors, students pursing fields such as international business and global studies with an emphasis in German speaking countries, and students studying subjects that require more than two semesters of a foreign language as well as those seeking to broaden or maintain their proficiency in German. (UC, CSU, AVC)

GER 202 INTERMEDIATE GERMAN 2

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of GER 201.*

This course develops students' reading, writing, aural comprehension and speaking abilities. Students read and discuss a variety of texts. Students may also hear radio emissions, video or television clips, songs and short lectures. Course may cover contemporary issues such as environmental problems, music, feminism, multiculturalism, cultural and/or political history or regional linguistic variations. Activities include reading aloud, group discussions, and work in groups or pairs. This course, conducted entirely in German, is intended for German majors and minors, students pursing fields such as international business and global studies with an emphasis in German speaking countries, and students studying subjects that require more than two semesters of a foreign language as well as those seeking to broaden or maintain their proficiency in German. (UC, CSU, AVC)

Department Description

Health education prepares individuals for healthy lifestyles and promotes wellness throughout their lifespan. (Note: Contact SBCC @ www.sbcc.edu/hit/website/ for Health Information Technology information.)

Health education courses have two primary goals:

1. To provide students with preparatory courses for transfer to a four-year educational program in health, community health, and wellness.
2. To provide general education about health and wellness.

Associate Degree/Certificate

No degrees or certificates are currently offered.

Health Education Courses

HE 100 FIRST AID AND EMERGENCY CARE

3 Units

Total Course Lecture Hours 54

Instructional materials fee required for this course and must be paid at registration. A study of first aid and CPR skills required by the American Red Cross. This course will result in an American Red Cross First Aid and CPR card being issued. (C-ID: KIN 101) (UC, CSU, AVC) (R unlimited)

HE 101 HEALTH EDUCATION

3 Units

Total Course Lecture Hours 54

Students will explore health behaviors, health promotion and wellness concepts. The course includes study and analysis of specific life-style factors and their relationships to well-being and disease. Areas of study will include mental wellness, stress and stress management, physical fitness, nutrition, weight management, drugs, alcohol, tobacco, heart disease, cancer, infectious diseases, sexuality, birth control, consumerism and environmental health. (UC, CSU, AVC)

HE 110 ETHNIC HEALTH ISSUES

3 Units

Total Course Lecture Hours 54

The course addresses health issues confronting ethnic/racial minority groups politically as well as socioeconomically disadvantaged in America. The course is not intended to be a comprehensive treatment of all pertinent health problems affecting minorities, but will address some of the more salient health concerns. The purposes of the course are: 1) to identify selected health problems affecting specific target groups and suggest possible strategies for alleviating them; 2) to provide a forum to discuss the social, economic, and political factors that impact health, health status, and health care; 3) to discuss culturally relevant and sensitive strategies and models to prevent and minimize diseases in minority communities; and 4) to develop policy recommendations that may positively impact the health of minority communities. (CSU, AVC)

HE 120 STRESS MANAGEMENT

3 Units

Total Course Lecture Hours 54

This course examines stress and stressors from a health and wellness perspective. It is designed to enable all students to understand the role of stress in their lives. The course focuses on the multidimensional nature of stress, the role of stress in the etiology of many chronic diseases, and the development of a personal stress management plan. It is based on a holistic approach to stress management, rather than an approach that just teaches a variety of individual coping techniques. (CSU, AVC)

HE 201 WOMEN'S HEALTH ISSUES

3 Units

Total Course Lecture Hours 54

Students will explore health issues that relate specifically to women. Topics will include women and the health care system, mental health, drugs, alcohol and smoking, menstruation, mid-life and older women's health, sexuality, fertility and infertility, childbearing, politics of disease, violence against women, and body image, food and nutrition. Each of the topics will be explored in relation to poverty, ageism, racism, and sexism. (UC, CSU, AVC)

Department Description

A comprehensive introductory history program is offered at Antelope Valley College. Besides World Civilization, Western Civilization, and early and modern American Histories, there are also several specialized fields available to choose from: Vietnam to Iraq; History of the American West; African American History; Women in American History; Cultural History of Mexico; History of California; and the History of Latin America and the Caribbean. These courses cover a wide range of subjects and time periods, and clearly there is something to satisfy everyone's interest.

Certificate Program

Certificate not applicable.

Program Learning Outcomes

History AA-T

1. Identify major individuals and cultural, economic, political, social, and religious events from American History, 1607-present.
2. Recognize significant problems arising in American History, 1607-present.
3. Evaluate the repetitive cycle of history relevant to American History, 1607-present.

Associate Degree

History AA-T

The Associate in Art in History for Transfer (AA-T in History) degree is a comprehensive introductory History program that includes the study of World and Western Civilization as well as American History. The AA-T in History degree is supplemented by substantive courses such as Contemporary United States History: Vietnam to Iraq; African American History; Women in American History; Cultural History of Mexico; History of California; and the History of Latin America and the Caribbean. These courses cover a wide range of subjects; clearly there is something to satisfy everyone's interest. Students are encouraged to go beyond simple memorization of names and dates and to actually get involved with the past. Assignments emphasize research skills, speculative analysis, and original thinking and the ability to compare and contrast the past with current events. Students emerge from these classes with the sense that the study and evaluation of the past need not be stagnant; rather it is an ever evolving process.

The Associate in Art in History for Transfer (AA-T in History) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn an Associate in Art in History for Transfer (AA-T in History) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
History AA-T (Total 18)
Complete all of the following **Units**

Required Core (Total 3)
Complete the following number of units: 3
HIST C1001 - United States History to 1877 3
HIST C1001H - United States History to 1877 - Honors 3

Required Core (Total 3)
Complete the following number of units: 3
HIST C1002 - United States History since 1865 3
HIST C1002H - United States History since 1865 - Honors 3

Required Electives List A (Total 6)
Complete all of the following
HIST 104 - Introduction to World Civilizations, from Human Beginnings Until 1500 3
HIST 105 - Introduction to World Civilization, 1500 - Present 3

Required Electives List B - Select one course from each area (Total 6)
Complete the following number of units: 6
Area 1 (Total 3)
Complete the following number of units: 3
HIST 110 - African-American History, 1450-1877 3
HIST 110H - African-American History, 1450-1877 Honors 3
HIST 111 - African-American History, 1877-Present 3
HIST 111H - African-American History, 1877-Present Honors 3
HIST 113 - Women in American History 3
HIST 115 - Cultural History of Mexico 3
HIST 119 - History of Latin America and the Caribbean 3
Area 2 (Total 3)
Complete the following number of units: 3
HIST 114 - History of California 3
HIST 116 - Contemporary U.S. History: From Vietnam to Iraq 3
HIST 118 - American West History, 1806-Present 3

Recommended Pathway

Term 1	**Units**
HIST C1001 - United States History to 1877 ***OR*** HIST C1001H - United States History to 1877 - Honors	3
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 2 (MATH 110)	3
Cal-GETC GE Area 3A	3
	Total 16
Term 2	
HIST C1002 - United States History since 1865 ***OR*** HIST C1002H - United States History since 1865 - Honors	3
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 4	3
General Elective	3
Cal-GETC GE Area 5A	3
	Total 15
Term 3	
Required Electives List A (HIST 104)	3
Required Electives List B Area 1 (see list)	3
Cal-GETC GE Area 5B	3
Cal-GETC GE Area 5C	1
General Elective	1
Cal-GETC GE Area 4	3
	Total 14

Term 4

Required Electives List A (HIST 105)	3
Required Electives List B Area 2 (see list)	3
Cal-GETC GE Area 3B	3
Cal-GETC GE Area 6	3
General Elective	3
Total	**15**
Degree Total	**60**

History Courses

HIST 104 INTRODUCTION TO WORLD CIVILIZATIONS, FROM HUMAN BEGINNINGS UNTIL 1500

3 Units

Total Course Lecture Hours 54

This course examines the social, cultural, political, economic and technological developments in Asian, African, Muslim, European and American civilizations from human beginnings until 1500. The civilizations of Ancient and Classical periods will be studied along with the growth of Islam in Eurasia and Africa, the regional influence of India and China, the expansion of Christianity, and the impact of the Mongol empire on Eurasian civilizations. This course will especially address the transfer requirements to the CSU system as well as fulfill AVC GE and IGETC requirements. (C-ID: HIST 150) (UC, CSU, AVC)

HIST 105 INTRODUCTION TO WORLD CIVILIZATION, 1500 - PRESENT

3 Units

Total Course Lecture Hours 54

This course examines the social, cultural, political, economic and technological developments in Asian, African, Muslim, European and American civilizations from 1500 to the present. Topics to be covered include the transoceanic discoveries and global connections wrought by the European Age of Discovery, Revolutions in the United States and France, industrialization, and the age of global empires. The world upheaval caused by the First World War, the inter-war period, the Second World War, the Cold War, Decolonization and the world of the "global village" will also be discussed. This course will especially address the transfer requirements to the CSU system as well as fulfill AVC GE and IGETC requirements. (C-ID: HIST 160) (UC, CSU, AVC)

HIST 110 AFRICAN-AMERICAN HISTORY, 1450-1877

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 (ENGL 101) or placement by multiple measures.*

A broad historical study of the African-American's role in the socio-political and economic development of the United States of America. This course is designed to further the student's general education and to introduce the student to concepts basic to historical inquiry. Covers the period from 1450 through 1877. Issues of racism and sexism will be explicitly covered. (UC, CSU, AVC)

HIST 110H AFRICAN-AMERICAN HISTORY, 1450-1877 HONORS

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL 101 or placement by multiple measures.*

This honors course is intended for students in the Honors Transfer Program. A broad historical study of the African-American's role in the socio-political and economic development of the United States of America. This course is designed to further the student's general education and to introduce the student to concepts basic to historical inquiry. Covers the period from 1450 through 1877. Issues of racism and sexism will be explicitly covered. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. (UC, CSU, AVC) Note: Students may take either HIST 110 African American History or HIST 110H African American History Honors. Duplicate credit will not be awarded.

HIST 111 AFRICAN-AMERICAN HISTORY, 1877-PRESENT

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 (ENGL 101) or placement by multiple measures.*

A broad historical study of the African-American's role in the socio-political and economic development of the United States of America. This course is designed to further the student's general education and to introduce the student to concepts basic to historical inquiry. Covers the period from 1877 to the present. Issues of racism and sexism will be explicitly covered. (UC, CSU, AVC)

HIST 111H AFRICAN-AMERICAN HISTORY, 1877-PRESENT HONORS

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL 101 or placement by multiple measures.*

This honors course, intended for students in the Honors Transfer Program, is a broad historical study of the African-American's role in the socio-political and economic development of the United States of America. This course is designed to further the student's general education and to introduce the student to concepts basic to historical inquiry. Covers the period from 1877 to the present. Issues of racism and sexism will be explicitly covered. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. (UC, CSU, AVC) Note: Students may take either HIST 111 African-American History, 1877-Present or HIST 111H African-American History, 1877-Present Honors. Duplicate credit will not be awarded.

HIST 113 WOMEN IN AMERICAN HISTORY

3 Units

Total Course Lecture Hours 54

A historical survey of women in the United States from colonialism to the present. Focus will include the evolution and growth of women, economically, socially and politically. Prominent figures will be discussed as well as the development of the women's rights movement over the last two centuries. An analysis will be made between women of the past three decades and those of the twenty-first century. Issues of racism and sexism will be explicitly covered. (UC, CSU, AVC)

HIST 114 HISTORY OF CALIFORNIA

3 Units

Total Course Lecture Hours 54

A study of the social, political, and economic evolution of California from the discovery period to the present, covering the exploration and early settlement of Alta California of the Native American, Spanish, Mexican, and Anglo-American periods. The governments, customs, habits and influences of the various peoples who occupied California are stressed. California's Constitutional history together with local history is also discussed. (UC, CSU, AVC)

HIST 115 CULTURAL HISTORY OF MEXICO

3 Units

Total Course Lecture Hours 54

The course desires to develop an understanding of the cultural phenomena which have shaped the unique Mexican character. Geography will be discussed in relation to its determination of culture as will economics, in particular development of the Pre-Columbian agriculture. Pre-Columbian civilization, its origin, development, and nature will be presented. Colonial history, the synthesis of Spanish and Indian cultures, introduction of Catholicism, Spanish language and the Hacienda system will be discussed. Modern Mexican history, beginning with the Mexican Revolution will be presented in terms of its formative effect on the Mexican character. The relationship between the United States and Mexico will be discussed in terms of the cultural change and evolution. Contemporary art in all forms will be discussed. (UC, CSU, AVC)

HIST 116 CONTEMPORARY U.S. HISTORY: FROM VIETNAM TO IRAQ

3 Units

Total Course Lecture Hours 54

Examines U.S. foreign policy from the end of World War II until the War on Terrorism. Students will examine, analyze, and evaluate the ideas, theories, themes and interrelationships that occurred during the period the U.S. was involved in Vietnam, and how our involvement there effected U.S. foreign policies and practices after the end of the Cold War. Finally, students will examine and evaluate the issue of terrorism and the events to led to the U.S. invasion of Iraq and analyze the similarities and differences between Vietnam and Iraq. (UC, CSU, AVC)

HIST 118 AMERICAN WEST HISTORY, 1806-PRESENT

3 Units

Total Course Lecture Hours 54

This course is a broad survey of the American West and its significance in U.S. history from 1806 to the present day. Attention is focused on the social, cultural, political, and economic developments and changes in the West. Topics stressed include Native Americans, the frontier experience, Gold Rush, race relations, gender, environmental issues, twentieth-century problems, urban and suburban development, and the popular representation of the West as myth and place. This transferable course is designed to further the undergraduate's general education, introduce students to concepts basic to historical inquiry, as well as enhance their understanding of the region in which they live. (UC, CSU, AVC)

HIST 119 HISTORY OF LATIN AMERICA AND THE CARIBBEAN

3 Units

Total Course Lecture Hours 54

This course will survey the history and culture of Latin America and the Caribbean. Emphasis is placed on understanding the history and culture of the area. A study will be done on the historical development of the area and its indigenous population. A general study will be done on the geography of the area. Discussion will be done on European contact and its impact on the people of the area. A contemporary look at the region will be explored. (UC, CSU, AVC)

HIST 199 WORK EXPERIENCE EDUCATION

1-8 Units

Total Course Lecture Hours 54-432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have the approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide history students with a realistic learning experience through work in museums, archives, state or historical parks, and other organizations that would require students to have a background in the study of history. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in an environment that is conducive to the subject of history. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to history. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

HIST C1001 UNITED STATES HISTORY TO 1877

3 Units

Total Course Lecture Hours 54

This course is a historical survey of the United States, from Indigenous North America to the end of Reconstruction. The course also introduces students to historical reasoning skills.

This course examines the development of the United States across more than 100 years of history, from Indigenous North America through Reconstruction, with attention to the entire geographic area now included in the United States of America. The course emphasizes continuity and change in the American experience, including the ways Indigenous homelands, colonial settlements, borderlands, the Atlantic world, the North, the South, and the West shaped one another over time. Students consider how relationships with Indigenous nations, European empires, Mexico, Africa, and the broader Atlantic world influenced the political, economic, social, cultural, and geographic development of the United States.

The course also examines the roles of major ethnic and social groups in shaping American history and explores how the American experience emerged from Indigenous, European, African, Mexican, Atlantic World, and other cultural traditions and transnational influences. Through historically significant texts, speeches, narratives, legal documents, public arguments, and cultural works, students analyze how ideas about democracy, freedom, citizenship, labor, race, religion, reform, expansion, conflict, and nationhood developed from early North America through Reconstruction. Formerly HIST 107 (C-ID: HIST 130) (UC, CSU, AVC)

HIST C1001H UNITED STATES HISTORY TO 1877 - HONORS

3 Units

Total Course Lecture Hours 54

This course is a historical survey of the United States, from Indigenous North America to the end of Reconstruction. The course also introduces students to historical reasoning skills. This is an honors course.

This honors course examines the development of the United States across more than 100 years of history, from Indigenous North America through Reconstruction, with attention to the entire geographic area now included in the United States of America. The course emphasizes continuity and change in the American experience, including the ways Indigenous homelands, colonial settlements, borderlands, the Atlantic world, the North, the South, and the West shaped one another over time. Students consider how relationships with Indigenous nations, European empires, Mexico, Africa, and the broader Atlantic world influenced the political, economic, social, cultural, and geographic development of the United States.

The course also examines the roles of major ethnic and social groups in shaping American history and explores how the American experience emerged from Indigenous, European, African, Mexican, Atlantic World, and other cultural traditions and transnational influences. Through historically significant texts, speeches, narratives, legal documents, public arguments, and cultural works, students analyze how ideas about democracy, freedom, citizenship, labor, race, religion, reform, expansion, conflict, and nationhood developed from early North America through Reconstruction.

As an honors course, students engage these topics through advanced scholarly and primary-source reading, seminar-style discussion, independent historical research, and formal written and oral presentation. Honors work emphasizes historiography, source evaluation, competing historical interpretations, and the development of evidence-based historical arguments. Formerly HIST 107H (UC, CSU, AVC) Note: Students may take either HIST C1001 United States History to 1877 or HIST C1001H United States History to 1877 - Honors. Duplicate credit will not be awarded.

HIST C1002 UNITED STATES HISTORY SINCE 1865

3 Units

Total Course Lecture Hours 54

This course is a historical survey of the United States from the end of the Civil War to the present. The course also introduces students to historical reasoning skills.

This course examines the development of the United States across more than 100 years of history, from Reconstruction to the present, with attention to the entire geographic area now included in the United States of America. The course emphasizes continuity and change in the American experience, including the ways the South, Northeast, Midwest, West, borderlands, Pacific, and urban and rural regions shaped one another over time. Students consider how relationships with external regions and powers, including Indigenous nations, Latin America, Asia, Europe, Africa, and the broader global community, influenced the political, economic, social, cultural, and geographic development of the United States.

The course also examines the roles of major ethnic and social groups in shaping modern American history and explores how the American experience since 1865 emerged from Indigenous, African American, European, Latin American, Asian American, Pacific Islander, and other cultural traditions and transnational influences. Through historically significant texts, speeches, narratives, legal documents, public arguments, and cultural works, students analyze how ideas about democracy, citizenship, labor, race, immigration, reform, civil rights, war, empire, globalization, and national identity developed from Reconstruction to the present. Formerly HIST 108 (C-ID: HIST 140) (UC, CSU, AVC)

HIST C1002H UNITED STATES HISTORY SINCE 1865 - HONORS

3 Units

Total Course Lab Hours 54

This course is a historical survey of the United States from the end of the Civil War to the present. The course also introduces students to historical reasoning skills. This is an honors course.

This honors course examines the development of the United States across more than 100 years of history, from Reconstruction to the present, with attention to the entire geographic area now included in the United States of America. Rather than treating historical events as isolated episodes, the course emphasizes continuity and change in the American experience, including the ways the South, Northeast, Midwest, West, borderlands, Pacific, and urban and rural regions shaped one another over time. Students consider how relationships with external regions and powers, including Indigenous nations, Latin America, Asia, Europe, Africa, and the broader global community, influenced the political, economic, social, cultural, and geographic development of the United States.

The course also examines the roles of major ethnic and social groups in shaping modern American history and explores how the American experience since 1865 emerged from Indigenous, African American, European, Latin American, Asian American, Pacific Islander, and other cultural traditions and transnational influences. Through historically significant texts, speeches, narratives, legal documents, public arguments, and cultural works, students analyze how ideas about democracy, citizenship, labor, race, immigration, reform, civil rights, war, empire, globalization, and national identity developed from Reconstruction to the present.

As an honors course, students engage these topics through advanced scholarly and primary-source reading, seminar-style discussion, independent historical research, and formal written and oral presentation. Honors work emphasizes historiography, source evaluation, competing historical interpretations, and the development of evidence-based historical arguments. Formerly HIST 108H (UC, CSU, AVC) Students may take either HIST C1002 United States History since 1865 or HIST C1002H United States History since 1865 - Honors. Duplicate credit will not be awarded.

Department Description

Human Development courses provide support, encouragement, and instruction for both new and continuing students.

The courses help students increase self-awareness and self-confidence; improve learning skills; and identify and accomplish educational, vocational, and personal goals.

These courses are designed to help students who wish to improve themselves both academically and personally. The courses help develop skills and knowledge that are critical to making a successful transition to the challenges of a college education and assist students in achieving their career and educational goals.

Students returning to school after an interruption in their education find them particularly helpful in adjusting to the college learning environment.

Associate Degree

Associate degree not available.

Program Learning Outcomes

Career and College Success Certificate (Noncredit)

1. Develop an academic success plan including short-term and long-term goals.
2. Demonstrate knowledge of campus resources and student support services.
3. Write a plan for achieving academic goals and entering the workforce in chosen profession with regular milestones for success.
4. Create a targeted cover letter and resume from a selected job posting.

Certificate Program

Career and College Success Certificate (Noncredit)

This non-credit certificate program equips students with vital skills for achieving academic excellence and exploring various career paths. This program consists of two concise courses designed to provide students with essential strategies for academic success, practical tools for transferring to universities including CSU and UC institutions, and valuable resources for career development. This certificate program is designed for individuals who are new to their studies, those who are re-entering higher education, and those who are still considering their options. The program aims to foster confidence and provide clear direction for academic pursuits. The certificate is granted after successful completion of both HD 900 and HD 901.

Program Requirements

Career and College Success Certificate (Noncredit) (Total 54)

Complete all of the following	**Hours**
HD 900 - College Success and Transfer Exploration	27
HD 901 - Career Exploration and Development	27

Recommended Pathway

Two Term Sequence

Term 1	**Hours**
HD 900 - College Success and Transfer Exploration	27
	Total 27
Term 2	
HD 901 - Career Exploration and Development	27
	Total 27
	Certificate Total 54

One Term Sequence

Term 1	**Hours**
HD 900 - College Success and Transfer Exploration	27
HD 901 - Career Exploration and Development	27
	Total 54
	Certificate Total 54

Human Development Courses

HD 101 COLLEGE AND LIFE MANAGEMENT

3 Units

Total Course Lecture Hours 54

Advisory: *Eligibility for ENGL C1000 (ENGL 101) or placement by multiple measures.*

The ideas and concepts presented will focus on increasing understanding of personal lifestyles and how the college experience, as a learning process, leads to the creation of a successful lifestyle. Emphasis will be placed on raising awareness and assimilating these ideas and concepts into one's everyday habits and routines. This course is designed to explore learning styles and skills (note taking, test taking, organizing and managing resources, reading strategies, memory), health and exercise, communication and relationships, sexuality, stress management, goal setting, and decision making as these topics relate to creating a lifestyle that is personally satisfying and fulfilling. This course will serve our degree seeking students as well as those intent on transferring to a university. (UC, CSU, AVC)

HD 102 SOLDIERS TO SCHOLARS

3 Units

Total Course Lecture Hours 54

The course is for all who have served in a uniformed service, their family members, friends and supporters. Students will learn ways for veterans to adjust to civilian life and to college. The course will present and discuss various campus services and effective strategies useful for college success. These will include, but not be limited to, academic support services, goal setting, note-taking, memory techniques, time and money management, and accessing various service-related benefits. Students will also explore various physical, emotional and psychological reactions to wartime service, whether exposed to combat or not, and how these effect veterans' civilian readjustment. There will be discussions of various coping mechanisms that will enable veterans to reconnect with loved ones and manage stress and anxiety related to the wartime experience. The course will explore the signs and symptoms of Posttraumatic Stress Disorder (PTSD) and Military Sexual Trauma (MST) and identify strategies to manage these symptoms. The course will enable students to identify community resources that may enable readjustment to civilian life. (UC, CSU, AVC)

HD 103 CAREER AND LIFE PLANNING

3 Units

Total Course Lecture Hours 54

Provide a thorough study for career development, academic goals, and life planning. This includes assessment tools for identifying personality types, clarifying interests, skills, and values, and establishing college majors and careers. Addresses psychological and social issues that impact career and life choices. Covers decision-making processes, labor market trends, career research, interviewing skills, and résumé. (CSU, AVC)

HD 104 COLLEGE SUCCESS FOR STUDENT ATHLETES

1 Unit

Total Course Lecture Hours 18

Limitation on Enrollment: *Must be a student-athlete.*

This course is designed for student-athletes participating in intercollegiate sports for the first time at AVC. Students learn critical information on athletic eligibility and NCAA transfer requirements and develop a long-term educational plan. Includes skills necessary for college success: time management, study skills, and test-taking strategies. (CSU, AVC)

HD 105 PERSONAL DEVELOPMENT

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of ENGL C1000 (ENGL 101) or placement by multiple measures.*

This course is designed to facilitate personal growth and interpersonal effectiveness, along with increasing understanding of oneself and others. The focus is on self-exploration, learning to make choices, and developing coping strategies to enhance growth and development and maximize satisfaction in everyday life. Active personal involvement, group discussion, and a great deal of self-analysis and introspection will be required. (CSU, AVC)

Human Development Non Credit Courses

HD 900 COLLEGE SUCCESS AND TRANSFER EXPLORATION

0 Units

Total Course Lecture Hours 27

This course provides an overview of the fundamental skills necessary for successfully navigating the college environment. This course focuses on essential skills such as effective time management, strategic study techniques, campus resources, and goal setting. Students will also be provided with an overview of the transfer process including discussions on the university admission process, university transfer pathways, and available transfer resources. HD 900 is also part of a local noncredit certificate program. (R unlimited)

HD 901 CAREER EXPLORATION AND DEVELOPMENT

0 Units

Total Course Lecture Hours 27

This course leads students through a process that will enable them to make satisfying career choices and conduct a successful job search. Students will use career assessments, labor market information, and guided self-reflection to explore potential occupations and career pathways. Emphasis is placed on linking career goals to major selection and developing a plan for employment after college. HD 901 is also part of a local noncredit certificate program. (R unlimited)

Department Description

The Industrial Manufacturing Technician apprenticeship program offers related supplement instruction in accordance to the California Division of Apprenticeship Standards. Entry Level Industrial manufacturing technicians operate industrial production related equipment, work with manufacturing related tools, and perform work processes related to a wide variety of manufacturing settings. Industrial manufacturing technician apprentices will learn to set up, operate, monitor, and control production equipment. They will also help improve manufacturing processes and schedules to meet customer requirements. This apprenticeship training program combines on-the-job learning with related instruction in a classroom to prepare apprentices for journey level work after they complete the program.

Associate Degree

Associate degree not available.

Program Learning Outcomes

Industrial Manufacturing Technician Apprenticeship

1. Deliver orally, a set of instructions to another individual. Write a technical memo. Communicate a technical process to a small group.
2. Apply math skills to manufacturing processes and problems.
3. Quality manufacturing through the interpretation and verification of measurements taken from blueprints and mechanical drawings. Using mathematical calculations and precision measurements for tolerances.
4. Blueprint reading and interpretation.
5. Apply machine control and automation, lean manufacturing principles, and problem-solving to high-performance manufacturing.

Certificate Program

Industrial Manufacturing Technician Apprenticeship

Entry Level Industrial manufacturing technicians operate industrial production related equipment, work with manufacturing related tools, and perform work processes related to a wide variety of manufacturing settings. Industrial manufacturing technician apprentices will learn to set up, operate, monitor, and control production equipment. They will also help improve manufacturing processes and schedules to meet customer requirements. This apprenticeship training program combines on-the-job learning with related instruction in a classroom to prepare apprentices for journey level work after they complete the program.

Program Requirements

Industrial Manufacturing Technician Apprentice (Total 16.5)

Complete the following	Units
IMTA 110 - Industrial Manufacturing Technician Apprentice 1	6
IMTA 112 - Mathematics for the Machine Trades	2
IMTA 210 - Industrial Manufacturing Technician Apprentice 2	6
IMTA 212 - Communications for Apprentices [420-712]	2
IMTA 255 - Transition to Trainer: Your role as a Journey Worker [455-455]	0.5

Recommended Pathway

Term 1	Units
IMTA 110 - Industrial Manufacturing Technician Apprentice 1	6
IMTA 112 - Mathematics for the Machine Trades	2
	Total 8
Term 2	
IMTA 210 - Industrial Manufacturing Technician Apprentice 2	6
IMTA 212 - Communications for Apprentices [420-712]	2
IMTA 255 - Transition to Trainer: Your role as a Journey Worker [455-455]	0.5
	Total 8.5
	Certificate Total 16.5

Industrial Manufacturing Courses

IMTA 110 INDUSTRIAL MANUFACTURING TECHNICIAN APPRENTICE 1

6 Units

Total Course Lecture Hours 108

Advisory: *Concurrent enrollment in IMTA 112.*

Orientation to the trade of manufacturing, followed by the MSSC safety and quality modules. OSHA 10 certification, blueprint reading, visual inspection, measurement, first aid and CPR training. Manufacturing concepts will be introduced and applied in a variety of manufacturing settings. MSSC modules 1 and 2 are aligned with the learning plans for this course along with the MATC course - Machine Trades Math. (AVC)

IMTA 112 MATHEMATICS FOR THE MACHINE TRADES

2 Units

Total Course Lecture Hours 36

Advisory: *Concurrent enrollment in IMTA 110.*

Applied mathematics instruction from a review of basic arithmetic, basic algebra, applications based on geometry, right triangle trigonometry, oblique angle trigonometry and compound angles. (AVC)

IMTA 210 INDUSTRIAL MANUFACTURING TECHNICIAN APPRENTICE 2

6 Units

Total Course Lecture Hours 108

Second semester of related instruction includes MSSC manufacturing processes and production and maintenance awareness modules, along with communication, lean manufacturing, problem solving, and frontline leadership. Manufacturing related concepts will be applied to a variety of industrial settings. The course wraps up with an examination of emerging trends and technologies and future directions for manufacturing. MSSC learning objectives in modules 3 and 4 are aligned with the learning plans for this course. (AVC)

IMTA 212 COMMUNICATIONS FOR APPRENTICES [420-712]

2 Units

Total Course Lecture Hours 36

Advisory: *Concurrent enrollment in IMTA 210.*

Prerequisite: *Completion of IMTA 110.*

Introduces the apprentice to basic communication concepts relating to the workplace. It is designed specifically for the apprentice to acquire the necessary skills of giving instruction, writing a technical memo, and explaining a technical process. Throughout the course, the apprentice will brainstorm, write, edit, revise, and use one-on-one communication delivery in a small group. The course combines lecture and hands-on activities utilizing information which the apprentice brings from the workplace. (AVC)

IMTA 255 TRANSITION TO TRAINER: YOUR ROLE AS A JOURNEY WORKER [455-455]

0.5 Units

Total Course Lecture Hours 9

Advisory: *Concurrent enrollment in IMTA 210 and IMTA 212.*

Apprenticeship training is a collaborative partnership: employer, employee associations, government, and educational institutions each play a part. In reality, most learning takes place through the daily interaction between an apprentice and co-workers. Surveys have shown that the apprentices are least satisfied with the on-the-job portion of their training - particularly the ability of journey-level workers and supervisors. You have already learned to use the tools of your chosen trade. In this workshop, you will be introduced to a new set of basic tools - the tools of a job site trainer. You will explore the skills that are necessary to be an effective trainer, discover how to deliver hands-on-training, and examine the process for giving useful feedback. During the workshop, you will build a Training Toolkit to take back to your work on the job. (AVC)

Department Description

Journalism encompasses the study of forms of the mass media (newspapers, magazines, television, radio, internet, films, and blogs), and the development of reportorial skills and abilities. The Journalism program helps prepare students for transfer and eventual careers in journalism as well as increases their awareness, appreciation, and ethical role of the media and mass communication in modern society.

Individuals can learn basic news writing, reporting, and photojournalism skills through the journalism program that can be directly applied to the college paper, thus gaining practical, real-life experience. Also included in the program are courses on introduction to mass communication and PR.

Associate Degree/Certificate

No degrees or certificates are currently offered.

Journalism Courses

JOUR 121 BEGINNING JOURNALISM

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 or ENGL C1000H.*

An introduction to the theories and techniques of newswriting and reporting. Instruction and practice in news and feature story structures, newspaper style, copy reading and elementary editing. (C-ID: JOUR 110) (UC, CSU, AVC)

JOUR 123 NEWSPAPER PRODUCTION

3 Units

Total Course Lecture Hours 27

Total Course Lab Hours 81

Prerequisite: *Completion of JOUR 121.*

Developing journalism news sources, interviewing techniques, newswriting, feature and editorial writing, editing, photography skills, and design/layout using the college newspaper and Web site/blog as a laboratory. (UC, CSU, AVC)

JOUR 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION OF ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

Department Description

Kinesiology is the academic discipline which involves the art and science of human movement and its impact on health and the quality of life. Exercise, activity, and athletics are important components in the development of well-rounded individuals. Kinesiology classes enroll students from high school age to active senior citizens.

Kinesiology and athletics have three primary goals: To provide a program of professional preparation courses; To provide a service program designed to accommodate all; and To provide concepts and techniques that create a foundation for lifelong patterns of physical activity and impart its value to the student's health and well-being.

Program Learning Outcomes

Kinesiology AA-T

1. Demonstrate, apply and incorporate the physiological aspects of human movement required for understanding the Kinesiology and Exercise Science disciplines.
2. Understand and apply life time skills employed by those in physical fitness, personal fitness, and coaching careers.
3. Recognize and apply an understanding of the diversity of backgrounds, body types and physical needs relative to Kinesiology.

Yoga Instructor Certificate (Noncredit)

1. Fulfill the training requirements of the Yoga Alliance Organization for the 200-hour teacher training.
2. Demonstrate and apply the ability to safely and effectively teach yoga to individuals and groups.

Certificate Program

Yoga Instructor Certificate (Noncredit)

The Yoga Instructor certificate program prepares individuals to safely and effectively teach yoga to individuals and in group settings. This coursework includes training and teaching methodology for asana (physical poses), pranayama (breath work), and meditation. Included in the curriculum is study in the physical and subtle anatomy, yogic philosophy and lifestyle, teaching methods and ethics, and English and Sanskrit terminology. Completion of this program prepares students for employment in yoga studios, health and fitness clubs, health care facilities, as well as for self-employment as yoga instructors. It is also designed for those who want to add yoga techniques to their existing professional portfolios, as in the case for personal trainers, body workers, caregivers, therapists and teachers in other disciplines. Upon completion of the program the successful student will be able to register with Yoga Alliance at the 200-Hour Yoga Teacher Training level.

Program Requirements

Yoga Instructor Cert (Total 216)

Complete all of the following	Hours
KINT 900 - Yoga Teacher Training 1 - Yogic Lifestyle and Yoga as a Healing Practice	54
KINT 901 - Yoga Teacher Training 2 - Gross and Subtle Anatomy	54
KINT 902 - Yoga Teacher Training 3 - Pedagogy: The Art and Science of Teaching	54
KINT 903 - Yoga Teacher Training 4 - Social Applications of Yoga	54

Recommended Pathway

Term 1	Hours
KINT 900 - Yoga Teacher Training 1 - Yogic Lifestyle and Yoga as a Healing Practice	54
	Total 54
Term 2	
KINT 901 - Yoga Teacher Training 2 - Gross and Subtle Anatomy	54
	Total 54
Term 3	
KINT 902 - Yoga Teacher Training 3 - Pedagogy: The Art and Science of Teaching	54
	Total 54
Term 4	
KINT 903 - Yoga Teacher Training 4 - Social Applications of Yoga	54
	Total 54
	Certificate Total 216

Associate Degree

Kinesiology AA-T

The Associate in Arts in Kinesiology for Transfer (AA-T) degree offers students a fundamental knowledge of human movement and physical activity. Students will enhance their own understanding of lifetime patterns of physical activity and enhance problem-solving and critical thinking by studying concepts and techniques to apply and impart them to the diversity of backgrounds, body types, and physical needs.

The Associate in Arts in Kinesiology for Transfer (AA-T in Kinesiology) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses but do not exclude admittance to other colleges or universities.

To earn an Associate in Arts in Kinesiology for Transfer (AA-T in Kinesiology) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Kinesiology AA-T (Total 20 - 23)

Complete all of the following	**Units**
Required Courses (Total 11)	
Complete the following number of units: 11	
BIOL 201 - General Human Anatomy	4
BIOL 202 - General Human Physiology	4
KINT 100 - Introduction to Kinesiology	3
Required Courses - MOVEMENT BASED COURSES (3 units min). Select one course maximum from any three of the following areas: (Total 3)	
Complete the following number of units: 3	
[AQUATICS]	
KINF 190 - Beginning Swimming for Non-swimmers	1
KINF 191 - Beginning Swimming	1
KINF 192 - Intermediate Swimming	1
KINF 193 - Beginning Water Aerobics	1
KINF 194 - Intermediate Water Aerobics	1
KINF 195 - Beginning Fitness Swimming	1
KINF 196 - Intermediate Fitness Swimming	1
[DANCE]	
DA 103 - Beginning Modern Dance	1
DA 106 - Ballroom Dance	1
[FITNESS]	
KINF 107 - Beginning Weight Lifting	1
KINF 108 - Intermediate Weight Lifting	1
KINF 130 - Physical Conditioning	1
KINF 144 - Hatha Yoga	1
[INDIVIDUAL SPORTS] 1	
KINF 160 - Beginning Tennis	1
KINF 161 - Intermediate Tennis	1
KINF 260 - Advanced Tennis	1
[TEAM SPORTS]	
KINF 115 - Beginning Fast-Pitch Softball	1
KINF 116 - Intermediate Fast-Pitch Softball	1
KINF 140 - Beginning Golf	1
KINF 150 - Beginning Soccer	1
KINF 151 - Intermediate Soccer	1
KINF 180 - Beginning Volleyball	1
KINF 181 - Intermediate Volleyball	1
KINF 280 - Advanced Volleyball	1
KINF 220 - Advanced Basketball	1
Required Elective List A (Select Two) (Total 6 - 9)	
Complete the following number of units: 6-9	
Required Elective List A (Total 3 - 9)	
Complete the following number of units: 3-9	
HE 101 - Health Education	3
HE 100 - First Aid and Emergency Care	3
PHYS 101 - Introductory Physics	4
CHEM 110 - General Chemistry	5
CHEM 110H - General Chemistry Honors	5
STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4
Required Elective List A (Total 0 - 3)	
Complete the following number of units: 0-3	
PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3
SOCI C1000 - Introduction to Sociology	3
SOCI C1000H - Introduction to Sociology - Honors	3

Recommended Pathway

Term 1	**Units**
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 2 (STAT C1000)	4
Cal-GETC GE Area 5C (BIOL C1001L)	1
Cal-GETC GE Area 5B (BIOLC1001)	3
Cal-GETC GE Area 1A (ENGL C1000)	4
MOVEMENT BASED COURSES (see list)	1
	Total 16
Term 2	
Required Elective List A (CHEM 110)	5
Cal-GETC GE Area 3A	3
Cal-GETC GE Area 3B	3
MOVEMENT BASED COURSES (see list)	1
Cal-GETC GE Area 1B	3
MOVEMENT BASED COURSES (see list)	1
	Total 16
Term 3	
KINT 100 - Introduction to Kinesiology	3
BIOL 201 - General Human Anatomy	4
Cal-GETC GE Area 4	3
Cal-GETC GE Area 6	3
General Elective	2
	Total 15
Term 4	
BIOL 202 - General Human Physiology	4
Required Elective List A (HE 100)	3
Cal-GETC GE Area 4	3
General Elective	3
	Total 13
	Degree Total 60

Kinesiology–Fitness Courses

KINF 100 ADAPTIVE PHYSICAL EDUCATION

1 Unit

Total Course Lab Hours 54

The course is designed for the student who may be confined in the type and amount of activity because of physical limitation. The student's program is individually tailored to meet the student's need. The student develops the program in consultation with the instructor and the student's physician or therapist. (UC, CSU, AVC) (R3)

KINF 104 BEGINNING KETTLEBELL TRAINING

1 Unit

Total Course Lab Hours 54

This course is designed for the student who wishes to learn the basic skills and techniques of kettlebell training. The student will be required to learn the fundamental concepts of kettlebell training, design and implement a kettlebell program. The course will also cover the proper warm-up and safety techniques that are necessary when in a weight room and moving kettlebells. (CSU, AVC)

KINF 105 INTERMEDIATE KETTLEBELL TRAINING

1 Unit

Total Course Lab Hours 54

This course emphasizes the development of cardiovascular endurance, muscular strength, and muscular endurance by utilizing Kettlebells. The students will participate in activities both as a class and individually to achieve the goals the students have set for themselves utilizing the Kettlebell. Intensity levels can be modified based on the students level of fitness (CSU, AVC)

KINF 107 BEGINNING WEIGHT LIFTING

1 Unit

Total Course Lab Hours 54

This course is designed for the student who wishes to learn the basic skills and techniques of weight lifting. The student will be required to learn how to design and implement a weight lifting program. The course will also cover the proper warm-up and safety techniques that are necessary when in the weight room. (UC, CSU, AVC)

KINF 108 INTERMEDIATE WEIGHT LIFTING

1 Unit

Total Course Lab Hours 54

This course emphasizes the development of cardiovascular endurance, muscular strength, and muscular endurance by utilizing both weight training and cardiovascular training. The students will participate in activities both as a class and individually to achieve the goals that they set for themselves utilizing all equipment available. Intensity levels can be modified to accommodate all levels of fitness. (UC, CSU, AVC)

KINF 109 BEGINNING SPINNING FOR FITNESS

1 Unit

Total Course Lab Hours 54

Geared towards improving one's cardiovascular fitness and muscular strength through a spinning program on a stationary bike. Program covers two basic types of terrain: flat roads and hills through changes in resistance and positions. (CSU, AVC)

KINF 110 INTERMEDIATE SPINNING FOR FITNESS

1 Unit

Total Course Lab Hours 54

Indoor cycling class geared towards improving one's cardiovascular fitness and muscular endurance. Designed for individuals looking to improve their basic level of fitness, the course covers intermediate skills and techniques while training at various intensities. (CSU, AVC)

KINF 111 BEGINNING CARDIO BOXING

1 Unit

Total Course Lab Hours 54

Using kickboxing fundamentals, provides skills for the development of physical and general health. Program works every major muscle group in the upper and lower body through basic leg movements, such as shuffle, slip, and weave, as well as, arm combinations including the jab, uppercut, hook and cross. (CSU, AVC)

KINF 112 INTERMEDIATE CARDIO BOXING

1 Unit

Total Course Lab Hours 54

A series of boxing, kickboxing and stretching exercises arranged to music, gradually increasing in tempo as a non-stop 25 to 45-minute program, with 10 to 20 minutes of abdominal work and stretching. Training equipment includes focus mitts, bags and uppercut shields for basic punching and leverage punches. (CSU, AVC)

KINF 113 BEGINNING BODY CONDITIONING BOOT CAMP

1 Unit

Total Course Lab Hours 54

Provides instruction and opportunities for beginning-level students to develop optimum muscular strength, cardiovascular endurance and flexibility. Emphasis placed on safe and proper technique and body mechanics. (CSU, AVC)

KINF 114 INTERMEDIATE BODY CONDITIONING BOOT CAMP

1 Unit

Total Course Lab Hours 54

Significant instruction on strength development techniques such as Reactivation, Kettle Bells, Swiss Balls, Dumb bells and Stable Surface (ground) exercises. Specifically designed for the conditioned student. (CSU, AVC)

KINF 115 BEGINNING FAST-PITCH SOFTBALL

1 Unit

Total Course Lab Hours 54

Designed for the beginning level player with emphasis on recreational play, strategy, and rules. Course Content will emphasize beginning softball skills and techniques. The beginning level of instruction will require a minimum level of physical condition on the part of the student. (UC, CSU, AVC)

KINF 116 INTERMEDIATE FAST-PITCH SOFTBALL

1 Unit

Total Course Lab Hours 54

Designed for the intermediate level player with emphasis on competitive play, skills and tactics. Course content will emphasize the techniques and fundamental skills of softball at a higher level. The intermediate level of instruction will require a moderate/high level of physical condition on the part of the student. (UC, CSU, AVC)

KINF 120 BEGINNING LIFE FITNESS CENTER TRAINING

1 Unit

Total Course Lab Hours 54

This course is an open-entry course designed for the beginner level to increase cardiovascular endurance, strength, and flexibility through the use of circuit training. A required orientation includes performing an individualized fitness assessment, learning guidelines on assessing fitness, training a wellness information on-line, and discussing how to train safely and efficiently using state of the art equipment. Adaptive physical education advisory: This class has been designated as appropriate for students who will require adaptive physical education. (CSU, AVC)

KINF 121 INTERMEDIATE LIFE FITNESS CENTER TRAINING

1 Unit

Total Course Lab Hours 54

This course is an open-entry course designed for the intermediate level to increase cardiovascular endurance, strength, and flexibility through the use of circuit training. A required orientation includes performing an individualized fitness assessment, learning guidelines on assessing fitness, training a wellness information on-line, and discussing how to train safely and efficiently using state of the art equipment. Adaptive physical education advisory: This class has been designated as appropriate for students who will require adaptive physical education. (CSU, AVC)

KINF 122 BEGINNING BASKETBALL

1 Unit

Total Course Lab Hours 54

Beginning skills and techniques of basketball will be taught in the course. An emphasis will be placed on learning beginning strategy and teamwork. The student will learn the rules, theory, and philosophy of intercollegiate basketball (CSU, AVC)

KINF 123 INTERMEDIATE BASKETBALL

1 Unit

Total Course Lab Hours 54

Intermediate skills and techniques of basketball will be taught in the course. An emphasis will be placed on learning intermediate strategy and teamwork. The student will learn the rules, theory, and philosophy of intercollegiate basketball (CSU, AVC)

KINF 130 PHYSICAL CONDITIONING

0.5-1 Unit

Total Course Lab Hours 27-54

This course emphasizes the development of cardiovascular endurance, muscular strength, and muscular endurance by utilizing both weight training and cardiovascular training. The students will participate in activities both as a class and individually to achieve the goals that they set for themselves utilizing all equipment available. Intensity levels can be modified to accommodate all levels of fitness. (UC, CSU, AVC)

KINF 132 AEROBIC CONDITIONING

1 Unit

Total Course Lab Hours 54

The student will be taught the fundamentals of running, breathing, and timing. The emphasis of the program will be aerobic conditioning through walking, jogging, and running. The student will be introduced to various types of wearing apparel and shoes. Students will experience running on various surfaces and varying degrees of stress. The prevention, care, and treatment of injuries indigenous to running will be presented. Advanced runners will learn about race strategies. Lastly, safety factors related to running will be taught. BEFORE ENROLLING student must be in fair physical condition without severe medical disabilities. (UC, CSU, AVC)

KINF 135 BEGINNING FIRE AGILITY

1 Unit

Total Course Lab Hours 54

This course introduces the principles that allow the student to build on the specific skills required to successfully pass the CPAT and other physical agility firefighting tests. Emphasis is on beginning fitness training techniques. Non-Fire Technology students are also welcome. (CSU, AVC)

KINF 136 INTERMEDIATE FIRE AGILITY

1 Unit

Total Course Lab Hours 54

This course introduces the principles that allow the student to build on the specific skills required to successfully pass the CPAT and other physical agility firefighting tests. Emphasis is on intermediate fitness training techniques. Non-Fire Technology students are also welcome. (CSU, AVC)

KINF 140 BEGINNING GOLF

1 Unit

Total Course Lab Hours 54

The course will emphasize the fundamentals and techniques of leisure golf. It will stress rules, regulations and vocabulary as well as etiquette. (UC, CSU, AVC)

KINF 141 INTERMEDIATE GOLF

1 Unit

Total Course Lab Hours 54

The course will emphasize the fundamentals and techniques of leisure golf. It will stress rules, regulations and vocabulary as well as etiquette. (CSU, AVC)

KINF 144 HATHA YOGA

0.5–1 Unit

Total Course Lab Hours 27–54

Hatha Yoga practice builds physical and mental awareness and offers a platform to achieve stress relief. Asanas (postures), pranayama (breath work) and meditation are performed with attention given to individual alignment needs and building mind/body connectivity in an effort to bring wellness to the practitioner. Strength, endurance, flexibility and balance are also achieved through regular practice. (CSU, AVC)

KINF 145 GENTLE CHAIR YOGA
1 Unit
Total Course Lab Hours 54
Gentle Chair Yoga is designed as a holistic practice for folks who desire an accessible, adaptive yoga program. Whether for injury recovery, stress management, personal needs, or a desire to start a yoga practice that offers accessibility, this class offers various yogic techniques to folks from all walks of life. In this class, you will learn to mobilize your body within your range of ability, build strength, learn pranayama (breathing exercises) and meditation techniques to suit your lifestyle and elicit an overall sense of relaxation and wellbeing. No yoga experience necessary. (UC, CSU, AVC)

KINF 146 YOGA FOR ATHLETES
1 Unit
Total Course Lab Hours 54
Yoga for Athletes incorporates various yogic practices including asana (postures), pranayama (breathing exercises) and meditation to prepare and maintain a healthy, integral and focused approach to various movement needs (athletics, dance, etc.). Students will learn and utilize these practices to aid in improvement of concentration, physical endurance, flexibility, balance and alignment. Students will also learn and use various tools for stress relief, injury prevention and active recovery. Previous yoga experience is recommended, but not required. (CSU, AVC)

KINF 150 BEGINNING SOCCER
1 Unit
Total Course Lab Hours 54
Designed for the beginning level player with emphasis on recreational play, strategy, and rules. Course content will emphasize beginning soccer skills and techniques. The beginning level of instruction will require a minimal level of physical condition on the part of the student. (UC, CSU, AVC)

KINF 151 INTERMEDIATE SOCCER
1 Unit
Total Course Lab Hours 54
Designed for the intermediate level player with emphasis on competitive play, skills, and tactics. Course content will emphasize soccer tactics, scrimmages, and soccer specific activities while refining intermediate technical skills. The intermediate level of instruction will require a moderate/high level of physical condition on the part of the student. (UC, CSU, AVC)

KINF 160 BEGINNING TENNIS
1 Unit
Total Course Lab Hours 54
Introduction to the basic skills and rules of tennis. Includes forehand, backhand, serve, and volley. Also includes strategy, etiquette, selection of equipment, and general rules for playing singles and doubles. (UC, CSU, AVC)

KINF 161 INTERMEDIATE TENNIS
1 Unit
Total Course Lab Hours 54
Refinement of tennis skills for the developing player. Includes forehand drive, backhand drive, service, volley, drop shot, overheads, strategies, and analysis of opponent's game. (UC, CSU, AVC)

KINF 162 BEGINNING PICKLEBALL
1 Unit
Total Course Lab Hours 54
Introduction to the basic skills and rules of pickleball. Includes forehand, backhand, serve and volley. Also includes, strategy, etiquette, selection of equipment, and general rules for playing singles and doubles. (CSU, AVC)

KINF 163 INTERMEDIATE PICKLEBALL
1 Unit
Total Course Lab Hours 54
Refinement of pickleball skills for the developing player. Includes forehand drive, backhand drive, service, service return, drop shot, overheads, strategies, and analysis of opponent's game. (CSU, AVC)

KINF 170 BEGINNING WALKING FOR FITNESS
1 Unit
Total Course Lab Hours 54
Introduces basic fitness concepts to improve each individual's physical health and general well being with walking strategies. Geared to all ages and is concerned with aspects of cardiovascular health and weight control. Emphasis placed on building endurance and strength through walking as well as proper preparation. (CSU, AVC)

KINF 171 INTERMEDIATE WALKING FOR FITNESS
1 Unit
Total Course Lab Hours 54
Designed for students of intermediate fitness levels to continue improving and maintaining each individual's physical health, general well being and flexibility with walking strategies. Geared to all ages and is concerned with aspects of cardiovascular health and weight control. Emphasis placed on increased distance and varying surfaces while walking. (CSU, AVC)

KINF 172 BEGINNING JOGGING FOR FITNESS
1 Unit
Total Course Lab Hours 54
Designed for students of beginning fitness levels who would like to enhance and improve their cardiovascular fitness and flexibility with jogging strategies. Jogging techniques will be utilized in establishing programs designed to promote improvements in cardiorespiratory endurance and body composition. Geared to all ages and is concerned with aspects of cardiovascular health and weight control. Emphasis placed on building endurance and strength through jogging as well as proper preparation. (CSU, AVC)

KINF 173 INTERMEDIATE JOGGING FOR FITNESS

1 Unit

Total Course Lab Hours 54

Designed for students of beginning fitness levels who would like to enhance and improve their cardiovascular fitness and flexibility with jogging strategies. Jogging techniques will be utilized in establishing programs designed to promote improvements in cardiorespiratory endurance and body composition. Geared to all ages and is concerned with aspects of cardiovascular health and weight control. Emphasis placed on building endurance and strength through jogging as well as proper preparation. (CSU, AVC)

KINF 180 BEGINNING VOLLEYBALL

1 Unit

Total Course Lab Hours 54

A beginning course that introduces the student to the basic vocabulary, performance fundamental skills and playing techniques of power volleyball. (UC, CSU, AVC)

KINF 181 INTERMEDIATE VOLLEYBALL

1 Unit

Total Course Lab Hours 54

This is a course designed and developed for the intermediate level volleyball player. It is a continuation of beginning volleyball with an emphasis in executing the fundamental skills and techniques of power volleyball at a higher level. This course differs from beginning volleyball in that set patterns and systems of offense and defense are used in a team strategy. BEFORE ENROLLING student should have proficiency in the skills of passing and setting. (UC, CSU, AVC)

KINF 190 BEGINNING SWIMMING FOR NON-SWIMMERS

1 Unit

Total Course Lab Hours 54

An introduction to the basic skills of swimming for those who have no or very little skill in the water, including lack of comfort in the water, including deep water. The course will focus on the American Red Cross Swimming Levels one through four including the six beginning swimming strokes: freestyle; backstroke; elementary backstroke; breaststroke; sidestroke; and inverted breaststroke. Safety skills such as floating, gliding, changing direction, treading, and a entries dive will be covered. (UC, CSU, AVC)

KINF 191 BEGINNING SWIMMING

1 Unit

Total Course Lab Hours 54

A re-introduction to the basic skills of swimming for the student who is completely comfortable in the water, including deep water, but has little or no formal training in swimming. The course will focus on the American Red Cross Swimming Levels two through five including the six beginning swimming strokes: freestyle; backstroke; elementary backstroke; breaststroke; sidestroke; and inverted breaststroke. Safety skills such as floating, gliding, changing direction, treading, and entries will be covered. (UC, CSU, AVC)

KINF 192 INTERMEDIATE SWIMMING

1 Unit

Total Course Lab Hours 54

Limitation on Enrollment: *Complete a 100 yard swim test or have completed KINF 190.*

Continuation of skills of swimming for those at an intermediate level. The course will focus on the American Red Cross Swimming Levels four through six with the introduction to the butterfly and breast strokes, along with intermediate water entries and safety skills. (UC, CSU, AVC)

KINF 193 BEGINNING WATER AEROBICS

0.5–1 Unit

Total Course Lab Hours 27–54

This is an entry level course in low-impact water aerobics. The instruction and class activity leads to cardiovascular fitness, muscular strength, flexibility and increased physical endurance and will be executed in water. The exercise will be choreographed to music and demonstrated with voice instruction. There will be variation of movement and tempo in the exercises. The buoyancy and resistance of water will be considered in the design of the routines. (UC, CSU, AVC)

KINF 194 INTERMEDIATE WATER AEROBICS

1 Unit

Total Course Lab Hours 54

This is an intermediate course in low-impact water aerobics. The instruction and class activity leads to increased cardiovascular fitness, muscular strength, flexibility and increased physical endurance and will be executed in water. (UC, CSU, AVC)

KINF 195 BEGINNING FITNESS SWIMMING

1 Unit

Total Course Lab Hours 54

Limitation on Enrollment: *Student should be able to successfully complete a 100 yard continuous swim.*

Student will learn to set up a swimming program to build physical fitness. The student will be instructed on how to improve the swim strokes he/she possesses. The basis of the program will be aerobic conditioning. (UC, CSU, AVC)

KINF 196 INTERMEDIATE FITNESS SWIMMING

1 Unit

Total Course Lab Hours 54

Students will learn to set up intermediate swimming programs to build physical fitness. Concentration will be on proper use of sprint and endurance training, as well as muscle use for building fitness. (UC, CSU, AVC)

KINF 204 ADVANCED KETTLEBELL TRAINING

1 Unit

Total Course Lab Hours 54

This course will focus on the advanced movements of Kettlebell movements, implementation and integration of Kettlebell exercised into a traditional exercise routine. The students will participate in activities both as an individual and class to achieve the goals the students have set for themselves. Intensity levels can be modified based on the students level of fitness. (CSU, AVC)

KINF 207 ADVANCED WEIGHT TRAINING

1 Unit

Total Course Lab Hours 54

This course will emphasize the development of cardiovascular endurance, muscular strength, and muscular endurance by utilizing functional strength training exercises and introducing traditional barbell lifting. Students will attain knowledge of designing a program best suited to their needs. (CSU, AVC)

KINF 215 ADVANCED FAST-PITCH SOFTBALL

1 Unit

Total Course Lab Hours 54

Advanced skills and techniques of fast-pitch softball will be taught in this course. An emphasis will be placed upon learning advanced strategy and teamwork. The student will learn the rules, theory, and philosophy of fast-pitch softball. (UC, CSU, AVC)

KINF 220 ADVANCED BASKETBALL

1 Unit

Total Course Lab Hours 54

Advanced skills and techniques of basketball will be taught in the course. An emphasis will be placed upon learning advanced strategy and teamwork. The student will learn rules, theory, and philosophy of intercollegiate basketball. (UC, CSU, AVC)

KINF 221 ADVANCED LIFE FITNESS CENTER TRAINING

1 Unit

Total Course Lab Hours 54

This course is an open-entry course designed for the advanced level to increase cardiovascular endurance, strength, and flexibility through the use of circuit training. A required orientation includes performing an individualized fitness assessment, learning guidelines on assessing fitness, training a wellness information on-line, and discussing how to train safely and efficiently using state of the art equipment. Adaptive physical education advisory: This class has been designated as appropriate for students who will require adaptive physical education. (CSU, AVC)

KINF 235 ADVANCED FIRE AGILITY

1 Unit

Total Course Lab Hours 54

This course introduces the principles that allow the student to build on the specific skills required to successfully pass the CPAT and other physical agility firefighting tests. Emphasis is on advanced fitness training techniques. Non-Fire Technology students are also welcome. (CSU, AVC)

KINF 240 ADVANCED GOLF

1 Unit

Total Course Lab Hours 54

Advanced Golf is a continuation of Beginning Golf with achievement of a higher performance level in the basic techniques of golf. It differs from Beginning Golf in that actual competition and advanced levels of strategy are taught and developed. (UC, CSU, AVC)

KINF 244 INTERMEDIATE/ADVANCED HATHA YOGA

1 Unit

Total Course Lab Hours 54

Based on the strong vinyasa flow of Ashtanga Yoga, this Intermediate/Advanced Hatha Yoga class is a dynamic, strenuous yoga class which focuses on strength, balance, flexibility and inner focus. This class will include a flowing form of asana (poses) as well as regular practice in forward bends, twists, back bends, inversions and arm balances. This class is not recommended for beginners. Students are advised to have at least one year of regular yoga practice. Participants should be in good physical condition. (UC, CSU, AVC)

KINF 250 ADVANCED SOCCER

1 Unit

Total Course Lab Hour 54

The purpose of this class is to provide instruction in the techniques, tactics and strategies associated with competitive soccer. Special emphasis placed on drills and competitive play situation. (CSU, AVC)

KINF 260 ADVANCED TENNIS

1 Unit

Total Course Lab Hours 54

Progressive skill instruction concerned with the development of the advanced tennis player. Emphasis will be on placement of shot, shot combination building from the baseline and net, and footwork. Students will learn to select appropriate tennis equipment and apparel. (UC, CSU, AVC)

KINF 262 ADVANCED PICKLEBALL

1 Unit

Total Course Lab Hours 54

Progressive skill instruction concerned with the development of the advanced pickleball player. Emphasis will be on placement of shot, shot combination building from the baseline and kitchen, and footwork. Students will learn to select appropriate pickleball equipment and apparel. (CSU, AVC)

KINF 270 ADVANCED WALKING FOR FITNESS

1 Unit

Total Course Lab Hours 54

Designed for students of advanced fitness levels to continue improving and maintaining each individual's physical health and general well being and flexibility with walking strategies. Geared to all ages and is concerned with aspects of cardiovascular health and weight control. Emphasis placed on dealing with difficult surfaces and weather extremes while walking (CSU, AVC)

KINF 272 ADVANCED JOGGING FOR FITNESS
1 Unit
Total Course Lab Hours 54
Designed for students of advanced fitness levels to continue improving and maintaining each individual's physical health and general well being and flexibility with walking strategies. Geared to all ages and is concerned with aspects of cardiovascular health and weight control. Emphasis placed on dealing with difficult surfaces and weather extremes while walking (CSU, AVC)

KINF 280 ADVANCED VOLLEYBALL
1 Unit
Total Course Lab Hours 54
This is a course designed and developed for the advanced level volleyball player. It is a continuation of intermediate volleyball with an emphasis in achievement of a higher performance level in the basic technique of power volleyball. It differs from intermediate volleyball in that set patterns and systems of offense and defense are used in the team strategy as well as the rules and regulations of the NCAA. BEFORE ENROLLING student should have proficiency in the skills of passing and setting. (UC, CSU, AVC)

KINF 293 ADVANCED WATER AEROBICS
1 Unit
Total Course Lab Hours 54
This is an advanced course in water aerobics. The instruction and class activity are for high-intensity, advanced aerobic exercises. Additionally, advanced workout formulas and the FITT principle will be examined. (UC, CSU, AVC)

KINF 295 ADVANCED FITNESS SWIMMING
1 Unit
Total Course Lab Hours 54
For students that are setting up advanced swimming programs to build and maintain physical fitness. Concentration will be on using proper training methods for open water and endurance competitions. (UC, CSU, AVC)

Kinesiology–Theory Courses

KINT 100 INTRODUCTION TO KINESIOLOGY
3 Units
Total Course Lecture Hours 54
Students will be introduced to the interdisciplinary approach to human movement. An overview of the importance of the sub-disciplines in Kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health and fitness. (C-ID: KIN 100) (UC, CSU, AVC)

KINT 102 OFFICIATING BASKETBALL AND VOLLEYBALL
3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54
Students will analyze and interpret the rules and regulations for the sports of volleyball and basketball at the high school level. Discussions will also include the mechanics of officiating these sports. Trends, techniques of officiating, and issues of the games will also be discussed. (UC, CSU, AVC)

KINT 103 OFFICIATING - BASEBALL, SOFTBALL, TRACK AND FIELD
3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54
Students will analyze and interpret the rules and regulations for the sports of baseball, softball and track and field at the high school level. Discussions will also include the mechanics of officiating these sports. Trends, techniques of officiating, and issues of the games will also be discussed. (CSU, UC, AVC)

KINT 104 SPORTS APPRECIATION
3 Units
Total Course Lecture Hours 54
Selected learning experiences leading to an understanding and appreciation of athletics and recreational sports and how they relate to our society. (CSU, UC, AVC)

KINT 105 ACTIVE LIFESTYLES: PERSONAL WELLNESS AND NUTRITION
3 Units
Total Course Lecture Hours 54
Integration and application of principles of sound nutrition and physical activities to optimize the physiological, psychosocial, and social lifelong development of the individual and the use of scientific principles and current advances to help assess and evaluate physical fitness, body composition dietary patterns, energy expenditure, and their relationships. This course is designed for the student pursuing a career in the fitness industry; Fitness Specialists, Coaching of Sport, Sport and Performance Coach, and Community Health Worker, as well as those interested in furthering their understanding of the effects of nutrition on the mind and body. (CSU, AVC)

KINT 112 OFFICIATING - FOOTBALL
3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54
Students will analyze and interpret the rules and regulations for the sports of football at the high school level. Discussions will also include the mechanics of officiating these sports. Trends, techniques of officiating, and issues of the games will also be discussed. (UC, CSU, AVC)

KINT 113 SPORT PSYCHOLOGY
3 Units
Total Course Lecture Hours 54
This course links research in sport psychology with techniques to implement the research in real world settings. This course describes, explains, and applies sport psychology concepts and theories to practical experiences. (CSU, AVC)

KINT 114 ATHLETIC AND FITNESS ORGANIZATION AND ADMINISTRATION
3 Units
Total Course Lecture Hours 54
Presents a balance of theory and practice in organization and administration of athletic and fitness programs. Includes management functions such as facilities planning and scheduling, finances, personal philosophy development and marketing analysis for high school, college and professional sport programs and recreation and fitness programs. (CSU, AVC)

KINT 115 FOUNDATION FOR FITNESS AND WELLNESS
3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54
Prepares students to make informed choices and to take responsibility for those choices in the areas of fitness, nutrition, and stress management. Emphasis is on the application of health and physical fitness principles. Each student will develop a personalized plan for the overall maintenance of their own wellness. 36 hours lecture and 54 hours laboratory. (Letter grade only) (CSU, AVC)

KINT 120 INTRODUCTION TO ESPORTS
1 Unit
Total Course Lab Hours 54
This course is intended to provide students with an introduction to the field of esports. Special emphasis is placed on the history, culture, and issues of esports, the levels and governance of eSport, and the process of putting on, managing, financing, and promoting eSport competitions. Students will be acquainted with issues through discussions of pertinent theories and through experiential studies within the world of esports. (CSU, AVC)

Kinesiology–Theory Non Credit Courses

KINT 900 YOGA TEACHER TRAINING 1 - YOGIC LIFESTYLE AND YOGA AS A HEALING PRACTICE
0 Units
Total Course Lecture Hours 54
Advisory: *Students are advised to have at least 2 years of regular yoga practice and have successfully completed or concurrent enrollment in KINF 144 and KINF 244.*
This course is one of four class modules designed to prepare the student to teach yoga. Upon successful completion of all 4 classes the student will be able to register with Yoga Alliance as a Registered Yoga Teacher at the 200-hour level. This teacher training will focus on yogic lifestyle and yoga as a healing practice. Pranayama (breathing exercises), meditation practice, deep relaxation, and yogic diet will be highlighted. Asana emphasis will include the practice, analysis, and general alignment principals of all levels of standing, seated and forward bending poses. Philosophical study will include the 8 limbs of yoga from Patanjali's Yoga Sutras. (R unlimited)

KINT 901 YOGA TEACHER TRAINING 2 - GROSS AND SUBTLE ANATOMY
0 Units
Total Course Lecture Hours 54
Advisory: *Students are advised to have at least 2 years of regular yoga practice and have successfully completed or concurrent enrollment in KINF 144 and KINF 244.*
Prerequisite: *Completion of KINT 900*
This course is one of four class modules designed to prepare the student to teach yoga. Upon successful completion of all 4 classes the student will be able to register with Yoga Alliance as a Registered Yoga Teacher at the 200-hour level. The focus of this teacher training class is gross and subtle anatomy. A basic understanding of the musculoskeletal system, fluid body, and organ system together with yogic philosophy of the subtle anatomy or energy body. Practice, analysis and general alignment principles for all levels of twisting and back bending poses will be emphasized. (R unlimited)

KINT 902 YOGA TEACHER TRAINING 3 - PEDAGOGY: THE ART AND SCIENCE OF TEACHING
0 Units
Total Course Lecture Hours 54
Advisory: *Students are advised to have at least 2 years of regular yoga practice and have successfully completed or concurrent enrollment in KINF 144 and KINF 244.*
Prerequisite: *Completion of KINT 901*
This course is one of four class modules designed to prepare the student to teach yoga. Upon successful completion of all 4 classes the student will be able to register with Yoga Alliance as a Registered Yoga Teacher at the 200-hour level. The emphasis of this teacher training class is on becoming an effective teacher. Key principles of teaching will include the role of the instructor, student teacher relations and ethics, addressing different learning styles and skill levels, giving effective instructions, the art of sequencing a class, and basic anatomical adjustments. Practice teaching and Sanskrit terminology for the yoga teacher will be included. (R unlimited)

KINT 903 YOGA TEACHER TRAINING 4 - SOCIAL APPLICATIONS OF YOGA

0 Units

Total Course Lecture Hours 54

Advisory: *Students are advised to have at least 2 years of regular yoga practice and have successfully completed or concurrent enrollment in KINF 144 and KINF 244.*

Prerequisite: *Completion of KINT 902*

This course is one of four class modules designed to prepare the student to teach yoga. Upon successful completion of all 4 classes the student will be able to register with Yoga Alliance as a Registered Yoga Teacher at the 200-hour level. The focus of this teacher training course is the varied applications of yoga and yoga philosophy for individuals as well as for communities. Social applications including yoga for mindfulness, ecology and social change will be explored. The class will include a study of the different types of yoga, the business aspects of teaching yoga, and the creation, planning, and execution of a community service project. Practice, analysis, and general alignment principles for all levels of inverted poses will be emphasized. The benefits, types and applications of meditation will be included. (R unlimited)

Intercollegiate Athletic Courses

IATH 101 WEIGHT TRAINING FOR ATHLETES

0.5–2 Units

Total Course Lab Hours 27–108

Limitations on Enrollment: *Must be a member of an intercollegiate athletic team.*

This course is designed for the student who is a member of an athletic team. The course will improve strength, flexibility, and endurance of specific muscles groups that are indigenous to a specific sport. (UC, CSU, AVC) (R3)

IATH 102 PRE-SEASON SPORT CONDITIONING

0.5–2 Units

Total Course Lab Hours 27–108

Limitation on Enrollment: *Must be a member of an intercollegiate athletic team.*

The course is designed for the student who wishes to compete at the intercollegiate level. Course content will emphasize pre-season conditioning for one of the following sports: baseball, basketball, football, track, cross country, soccer, softball, tennis, and volleyball. It is an intensive training program based upon improving basic skills, speed, flexibility, agility, reaction time, coordinated movement and cardiovascular endurance. Students should have previous organized athletic experience. Students will enroll in the appropriate conditioning class that corresponds to their sport participation. (UC, CSU, AVC) (R3)

IATH 103 INTERCOLLEGIATE PHYSICAL FITNESS

0.5–2 Units

Total Course Lab Hours 27–108

Limitations on Enrollment: *Should be a member of an intercollegiate team.*

Sports-specific cardiovascular, muscular, and flexibility training designed to enhance athletic performance. (R3) (CSU, AVC)

IATH 104 OFFENSIVE FOOTBALL LAB

0.5–2 Units

Total Course Lab Hours 27–108

Introduction to the structure and development of various offensive football strategies. It will include an analysis of scouting reports and film reviews, as well as the practical application of various physical training concepts. (R3) (CSU, AVC)

IATH 105 DEFENSIVE FOOTBALL LAB

0.5–2 Units

Total Course Lab Hours 27–108

Introduction to the structure and development of various defensive football strategies. This course will include analysis of scouting reports, film reviews, and the practical application of different physical training concepts. (R3) (CSU, AVC)

IATH 205 INTERCOLLEGIATE FOOTBALL

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *A physical examination and tryout required.*

This course is designed for the student-athlete who wishes to compete at the varsity intercollegiate level in football. The course will emphasize advanced football skills and techniques. An advanced level of physical conditioning will be taught. An emphasis will be placed upon the athlete learning the playing rules and code of conduct. The athlete will be required to learn advanced offensive and defensive strategy. The course will stress the development of teamwork. (UC, CSU, AVC) (R3)

IATH 210 INTERCOLLEGIATE BASEBALL

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

This course is designed for the student-athlete who wishes to compete at the varsity intercollegiate level in baseball. The course will emphasize advanced baseball skills and techniques. An advanced level of competition requires the athlete to possess adequate physical conditioning. The course is designed to assist the athlete in acquiring the prerequisite conditioning. All phases of advanced offensive and defensive strategy will be presented. The course will teach the athlete the playing rules and code of conduct. (UC, CSU, AVC) (R3)

IATH 215 INTERCOLLEGIATE WOMEN'S SOFTBALL

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

The course is designed for the student athlete who wishes to compete at the varsity, intercollegiate level in women's softball. The course will emphasize advanced women's softball skills and techniques. An advanced level of competition requires the athlete to possess adequate physical conditioning. The course is designed to assist the athlete in acquiring the prerequisite conditioning. All phases of advanced offensive and defensive strategy will be presented. The course will teach the athletes the playing rules and code of conduct. (UC, CSU, AVC) (R3)

IATH 220 INTERCOLLEGIATE MEN'S BASKETBALL - FALL

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

This course is designed for the student-athlete who wishes to compete at the varsity intercollegiate level in men's basketball. The course will emphasize advanced men's basketball skills and techniques. An advanced level of physical conditioning will be taught. An emphasis will be placed upon the athlete learning the playing rules and code of conduct. The athlete will be required to learn advanced offensive and defensive strategy. The course will stress the development of teamwork. (UC, CSU, AVC) (R3)

IATH 221 INTERCOLLEGIATE MEN'S BASKETBALL - SPRING

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on enrollment: *Physical examination and tryout required.*

This course is designed for the student-athlete who wishes to compete at the varsity intercollegiate level in men's basketball. The course will emphasize advanced men's basketball skills and techniques. An advanced level of physical conditioning will be taught. An emphasis will be placed upon the athlete learning the playing rules and code of conduct. The athlete will be required to learn advanced offensive and defensive strategy. The course will stress the development of teamwork. (CSU, AVC) (R3)

IATH 225 INTERCOLLEGIATE WOMEN'S BASKETBALL - FALL

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

This course is designed for the student-athlete who wishes to compete at the varsity intercollegiate level in women's basketball. The course will emphasize advanced women's basketball skills and techniques. An advanced level of physical conditioning will be taught. An emphasis will be placed upon the athlete learning the playing rules and code of conduct. The athlete will be required to learn advanced offensive and defensive strategy. The course will stress the development of teamwork. (UC, CSU, AVC) (R3)

IATH 226 INTERCOLLEGIATE WOMEN'S BASKETBALL - SPRING

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

This course is designed for the student-athlete who wishes to compete at the varsity intercollegiate level in women's basketball in the spring. The course will emphasize advanced women's basketball skills and techniques. An advanced level of physical conditioning will be taught. An emphasis will be placed upon the athlete learning the playing rules and code of conduct. The athlete will be required to learn advanced offensive and defensive strategy. The course will stress the development of teamwork. (CSU, AVC) (R3)

IATH 230 INTERCOLLEGIATE MEN'S CROSS COUNTRY

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

The course is designed for the student-athlete who wishes to compete at the varsity intercollegiate level in cross country. The course will emphasize advanced cross country skills and techniques. An advanced level of competition requires the athlete to possess adequate physical conditioning. The course is designed to assist the athlete in acquiring the prerequisite conditioning. All phases of advanced strategy will be presented. The course will teach the athlete the playing rules and code of conduct. (UC, CSU, AVC) (R3)

IATH 235 INTERCOLLEGIATE WOMEN'S CROSS COUNTRY

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

The course is designed for the student-athlete who wishes to compete at the varsity intercollegiate level in cross country. The course will emphasize advanced cross-country skills and techniques. An advanced level of competition requires the athlete to possess adequate physical conditioning. The course is designed to assist the athlete in acquiring the prerequisite conditioning. All phases of advanced strategy will be presented. The course will teach the athlete the playing rules and code of conduct. (CSU, AVC) (R3)

IATH 240 INTERCOLLEGIATE MEN'S GOLF

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

This course is designed for the male student-athlete who wishes to compete at the intercollegiate level in golf. Course content will emphasize advance golf skills and techniques. The advanced level of competition will require a high level of physical condition on the part of the student. Instruction and practice for intercollegiate competition will include rules of play and strategy. (UC, CSU, AVC) (R3)

IATH 245 INTERCOLLEGIATE WOMEN'S GOLF

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

This course is designed for the female student-athlete who wishes to compete at the intercollegiate level in golf. Course content will emphasize advance golf skills and techniques. The advanced level of competition will require a high level of physical condition on the part of the student. Instruction and practice for intercollegiate competition will include rules of play and strategy. (UC, CSU, AVC) (R3)

IATH 250 INTERCOLLEGIATE MEN'S SOCCER

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

Designed for the student-athlete who wishes to compete at the intercollegiate level in soccer. Course content will emphasize advanced soccer skills and techniques. The advanced level of competition will require a high level of physical condition on the part of the student. Instruction and practice for the intercollegiate competition will include rules, history, and strategy. (UC, CSU, AVC) (R3)

IATH 255 INTERCOLLEGIATE WOMEN'S SOCCER

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

Designed for the student-athlete who wishes to compete at the intercollegiate level in soccer. Course content will emphasize advanced soccer skills and techniques. The advanced level of competition will require a high level of physical condition on the part of the student. Instruction and practice for the intercollegiate competition will include rules, history, and strategy. (UC, CSU, AVC) (R3)

IATH 265 INTERCOLLEGIATE WOMEN'S TENNIS

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

Designed for the student-athlete who wishes to compete at the intercollegiate level in women's tennis. Course content will emphasize advanced tennis skills and techniques. The advanced level of competition will require a high level of physical condition on the part of the student. Instruction and practice for the intercollegiate competition will include rules, history, and strategy. (UC, CSU, AVC) (R3)

IATH 270 INTERCOLLEGIATE MEN'S TRACK AND FIELD

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

The course is designed for the male student-athlete who wishes to compete at the varsity intercollegiate level in track and field. The course will emphasize advanced track skill and techniques. An advanced level of track competition requires the athlete to possess an adequate physical condition. The course is designed to assist the athlete in acquiring the prerequisite conditioning. All phases of advanced strategy will be presented. The course will teach the athlete the playing rules and code of conduct. (UC, CSU, AVC) (R3)

IATH 275 INTERCOLLEGIATE WOMEN'S TRACK AND FIELD

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

The course is designed for the female student-athlete who wishes to compete at the varsity intercollegiate level in track. The course will emphasize advanced track skill and techniques. An advanced level of track competition requires the athlete to possess an adequate physical condition. The course is designed to assist the athlete in acquiring the prerequisite conditioning. All phases of advanced strategy will be presented. The course will teach the athlete the playing rules and code of conduct. (UC, CSU, AVC) (R3)

IATH 280 INTERCOLLEGIATE MEN'S VOLLEYBALL

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

The course is designed for the student-athlete who wishes to compete at the varsity intercollegiate level in men's volleyball. Advanced men's volleyball skills and techniques will be emphasized. The course is designed to assist the athlete in acquiring the necessary conditioning needed for competition. All phases of advanced offensive and defensive strategies will be presented. The course will teach the athletes the playing rules and code of conduct. (UC, CSU, AVC) (R3)

IATH 285 INTERCOLLEGIATE WOMEN'S VOLLEYBALL

1–3.25 Units

Total Course Lab Hours 54–175

Limitation on Enrollment: *Physical examination and tryout required.*

The course is designed for the student-athlete who wishes to compete at the varsity intercollegiate level in women's volleyball - both indoor and sand. Advanced women's volleyball skills and techniques will be emphasized. The course is designed to assist the athlete in acquiring the necessary conditioning needed for competition. All phases of advanced offensive and defensive strategies will be presented. The course will teach the athletes the playing rules and code of conduct. (UC, CSU, AVC) (R3)

IATH 295 INTERCOLLEGIATE WOMEN'S BEACH VOLLEYBALL

1–3.25 Units

Total Course Lab Hours 54–175

Develops participants' skills and playing intensity in Beach Volleyball to the highest level. Involves competition against other institutions and travel. Student must be capable of competing at the intercollegiate level. Repeatability is dependent upon California Community College Athletic Association (CCCAA) eligibility. May be taken a maximum of four (4) times for credit. (R3) (CSU, AVC) Credit Limitation: UC - Maximum credit of 4 units if combined with any or all other DANC/ICA/KIN/PE Activity courses.

Department Description

Our Latin courses provide students with the foundation needed to be able to communicate effectively. Students in our Latin courses develop reading, writing, and speaking skills as well as aural comprehension. Additionally, students will gain an acquaintance with the literature, history, and culture of Latin-influenced languages and cultures. All courses in Latin are transfer-level. Latin fosters new job opportunities, careers in the arts and humanities, and offers salary increments in certain occupations.

Associate Degree/Certificate

No degrees or certificates are currently offered.

Latin Courses

LATN 101 ELEMENTARY LATIN 1

5 Units

Total Course Lecture Hours 90

A transfer-level, foundation course providing an introduction to reading, writing, and comprehension of elementary Latin, including a survey of Roman culture during the time of the Republic and Augustan periods. The course emphasizes the relationship of Latin to the vocabulary, spelling, and grammar of modern English and Romance languages. (UC, CSU, AVC)

LATN 102 ELEMENTARY LATIN 2

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of LATN 101.*

A transfer-level, foundation course building on Latin 101 and providing further introduction to reading, writing, and comprehension of elementary Latin, including a survey of Roman culture during the time of the Republic and Augustan periods. The course emphasizes the relationship of Latin to the vocabulary, spelling, and grammar of modern English and Romance languages. (UC, CSU, AVC)

LATN 201 INTERMEDIATE LATIN

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of LATN 102.*

A transfer-level, intermediate course in Latin, continuing the concepts introduced in Latin 101 and 102. In addition to reviewing Latin grammar and syntax, the student will translate and analyze selected readings from Cicero, Livy, Ovid, Pliny, the Vulgate Bible, Bede, Caedmon, and Medieval poetry. (UC, CSU, AVC)

Department Description

Learning Assistance can benefit everyone. To access all AVC Learning Center services, in person and online, students should enroll in LAC 900 Supervised Tutoring. These are noncredit courses that allow us to collect data without impacting students' transcripts. Students who feel anxious about writing or math are encouraged to enroll in LAC 920 Managing Writing Anxiety, LAC 922 Math Study Strategies, and LAC 923 Managing Math Anxiety. These 1 unit, pass/fail courses will help students prepare to succeed in college-level English and Math classes. All tutors at AVC and in other community organizations are encouraged to enroll in LAC 931, 932, and 933 to deepen their knowledge of tutorial theory and practice. These courses include the opportunity to earn internationally recognized tutoring certificates.

Associate Degree

Associate degree not available.

Program Learning Outcomes

AVC Tutor Certificate (Noncredit)

1. LAC 931 - In a tutoring scenario, tutors will select communication strategies to determine tutee needs, check for tutee understanding of content and process, and problem solve within the context of an individual or group tutorial.
2. LAC 932 - Students will apply learning theories effectively in tutoring scenarios.
3. LAC 933 - Students will demonstrate the ability to mentor and train new tutors.

College Readiness - Reading and Writing Cert (Noncredit)

1. ENGL 900 - Students will compose paragraphs that demonstrate direction, relevant detail, and clarity on both a paragraph and a sentence level.
2. LAC 920 - Students will demonstrate the ability to use proactive strategies, learning resources, and the composition process to reduce writing frustrations.
3. READ 990 - Students will demonstrate the ability to comprehend and analyze written passages at a college reading level.

Certificate Program

AVC Tutor Certificate (Noncredit)

The AVC Tutor Certificate of Completion is designed to prepare students to work as academic tutors at Antelope Valley College, at other educational institutions from elementary to college level, and in the community. To earn the certificate, students must complete at least two out of three noncredit classes: LAC 931 Level 1, LAC 932 Level 2, and LAC 933 Level 3.

Program Requirements

AVC Tutor Certificate of Completion (Total 36 - 54)

Complete the following number of hours: 36-54	**Hours**
LAC 931 - Level 1 Tutor Certification	18
LAC 932 - Level 2 Tutor Certification	18
LAC 933 - Level 3 Tutor Certification	18

Recommended Pathway	
Term 1	**Hours**
LAC 931 - Level 1 Tutor Certification	18
	Total 18
Term 2	
LAC 932 - Level 2 Tutor Certification	18
	Total 18
Term 3	
LAC 933 - Level 3 Tutor Certification	18
	Total 18
	Certificate Total 36 - 54

College Readiness - Reading and Writing Cert (Noncredit)

The College Readiness - Reading and Writing Certificate of Competency is designed to prepare students for college English and other courses and careers that require reading and writing skills. To earn the certificate, students must complete at least two out of four noncredit courses: LAC 920 Managing Writing Anxiety, READ 990 Critical Reading, ENGL 900 Writing Support, and ENGL 901 Writing Practice. It is highly recommended that students complete the certificate within one term to increase their college success and completion rates. LAC 920 Managing Writing Anxiety provides students with coping skills to reduce writing frustrations in college and beyond. READ 990 Critical Reading helps students improve their reading comprehension, analysis, and vocabulary skills. ENGL 900 Writing Support focuses on the writing process, essay organization, and grammar skills. ENGL 901 practices skills learned in ENGL 101.

Program Requirements

College Readiness - Reading and Writing Certificate of Completion (Total 36 - 108)

Complete the following number of hours: 36-108 **Must take 2 out of 4 classes**	**Hours**
ENGL 900 - Writing Support	18
ENGL 901 - Writing Practice	54
LAC 920 - Managing Writing Anxiety	18
READ 990 - Critical Reading	36

Recommended Pathway **Recommended Sequence #1**	
Term 1	**Hours**
ENGL 900 - Writing Support	18
LAC 920 - Managing Writing Anxiety	18
	Total 36
	Certificate Total 36

Recommended Pathway **Recommended Sequence #2**	
Term 1	**Hours**
ENGL 900 - Writing Support	18
ENGL 901 - Writing Practice	54
	Total 72
	Certificate Total 72

Recommended Pathway Recommended Sequence #3	
Term 1	**Hours**
LAC 920 - Managing Writing Anxiety	18
READ 990 - Critical Reading	36
	Total 54
	Certificate Total 54

Recommended Pathway Recommended Sequence #4	
Term 1	**Hours**
ENGL 900 - Writing Support	18
LAC 920 - Managing Writing Anxiety	18
READ 990 - Critical Reading	36
	Total 72
	Certificate Total 72

Learning Assistance Non Credit Courses

LAC 900 SUPERVISED TUTORING

0 Units

Upon request, students receive tutoring in a designated subject area in the Learning Center. No referral necessary. Tutorial sessions focus on course content of the subject tutored and emphasize the study skills necessary to be successful in college. Cumulative progress plus attendance records will be maintained for this non-credit, open-entry/open-exit course. No tuition will be charged, nor will grades be received. The course will not appear on the student's transcript. Students may repeat as many times as they wish. (R unlimited)

LAC 901 SUPERVISED LEARNING ASSISTANCE

0 Units

Students meet with Faculty Learning Specialists for learning assistance in workshops/group instruction and one-on-one assessment and intervention. For workshops, Faculty Learning Specialists teach subjects/topics that match general skill deficiencies of students and individual ones that students self-report. When appropriate and/or upon referral by an instructor or counselor, Faculty Learning Specialists conduct a student intake that includes developing an academic history, administering learning assessment instruments, and together with the student, creating an individual learning improvement plan (ILIP) focused on addressing his/her skill deficiencies. The ILIP includes the referral of students to appropriate services and resources and monitoring of student participation and progress cumulatively. Positive attendance records will be maintained for this open entry, open exit course. No tuition is charged, no grades given, and no grades appear on the student's transcript. (R unlimited)

LAC 920 MANAGING WRITING ANXIETY

0 Units

This noncredit course provides students with various coping skills to reduce writing frustrations in college and beyond. Course topics include symptoms of writing anxiety, proactive strategies to control it, identification of essay elements, learning style preferences, and the application of stages of the composition process to different writing situations. Students will also develop their knowledge and use of available instructional resources as they increase their skills to successfully manage their writing anxiety. LAC 920 is part of the optional College Readiness - Reading and Writing noncredit certificate that students may earn. NOTE: As a noncredit course, no grade will be given for LAC 920; students will receive "pass" or "no pass" only. (R unlimited)

LAC 922 MATH STUDY STRATEGIES

0 Units

LAC 922 is designed to assist students in improving their math study skills so they can develop appropriate study strategies for math classes. Various methods and techniques will be explored, including developing a math textbook study system, math textbook annotating, math lecture notetaking, listening, math problem solving strategies, test preparation, test taking strategies, relating learning preferences to math, and effective memory techniques. Time management at test time and identifying available campus resources for math will also be presented. NOTE: As a noncredit course, no grade will be given for this class; students will receive "pass" or "no pass" only. (R unlimited)

LAC 923 MANAGING MATH ANXIETY

0 Units

LAC 923 is designed to provide students with the skills to reduce math frustration by diagnosing social causes and educational contexts and overcoming math myths and misconceptions. This course will also cover the following skills: recognizing math anxiety, developing various coping skills which include relaxation and wellness techniques, and becoming aware of personal learning style preferences for math. NOTE: As a noncredit course, no grade will be given for this class; students will receive "pass" or "no pass" only. (R unlimited)

LAC 931 LEVEL 1 TUTOR CERTIFICATION

0 Units

This course is designed to prepare students to work as professional tutors for students at all educational levels. It covers basic tutoring practices, effective communication, problem solving, study skills development, and professional ethics. Note: A student who successfully completes the course and accumulates twenty-five hours of supervised tutoring experience (paid or volunteer) may be certified through a professional tutoring association. LAC 931 is also part of a local noncredit certificate program. (R unlimited)

LAC 932 LEVEL 2 TUTOR CERTIFICATION

0 Units

Prerequisite: *Completion of LAC 931.*

This noncredit course is designed to further advance tutoring skills learned in LAC 931 with a special focus on learning theories. After a review of Level 1 topics, students discuss diversity, equity, access, and inclusion and are introduced to Universal Design for Learning. They adapt learning theories to tutoring scenarios and study neurodiversity. Students also practice motivational techniques, the use of probing questions, and assessing and improving tutee study behaviors. Note: A student who successfully completes the course and accumulates twenty-five hours of supervised work experience as a tutor (paid or volunteer) may be certified through a professional tutoring association. LAC 932 is also part of a local noncredit certificate program. (R unlimited)

LAC 933 LEVEL 3 TUTOR CERTIFICATION

0 Units

Prerequisite: *Completion of LAC 931 and 932.*

This noncredit course is designed to prepare experienced tutors to mentor and train other tutors in tutorial programs. It begins with a review of LAC 931 and 932 and continues with mentoring skills, self-regulated learning, structuring the learning experience, group management skills, and tutoring special populations of students. Students complete a legacy project. Note: A student who successfully completes the course and accumulates twenty-five hours of supervised work experience as a tutor (paid or volunteer) may be certified through a professional tutoring association. LAC 933 is also part of a local noncredit certificate program. (R unlimited)

LAC 950 AI ESSENTIALS

0 Units

This "AI Essentials" noncredit course is for community college students who are motivated to develop practical, broadly applicable knowledge of generative artificial intelligence (AI), strengthening individuals' readiness to use and navigate emerging AI technologies — for college assignments and future employment prospects alike. In order to facilitate ongoing development concurrent with imminent advancements in AI, course contents will be structured according to key categories and core characteristics, including (1) Dynamic Tools and Concepts; (2) Adaptive Communication and Prompt Engineering/Dialogue with AI; (3) Information Literacy, Ethics, and Authenticity; and (4) Creative Applications/Projects. (R unlimited)

Department Description

The Paralegal Studies Program at Antelope Valley College prepares students for entry-level employment in the legal field by combining legal theory with practical skills. Students gain hands-on experience in legal research, drafting documents, interviewing clients, trial preparation, and using legal technology. The program emphasizes professionalism, ethical responsibility, and the role of the paralegal within the legal system.

Graduates are prepared to work under the supervision of attorneys in law firms, corporate legal departments, government agencies, and other legal settings. Paralegals may not provide legal services directly to the public except as permitted by law.

Program Learning Outcomes

Paralegal Studies Cert & AA

1. Understand the common areas of law and the methodology of implementing those laws as paralegals in a modern law firm and, therefore, meet the requirements of Business & Professions Code Section 6450.

Certificate Program

Paralegal Studies Cert

This program is provided to teach the skills necessary to be an active paralegal professional in the modern legal services provider system. The student will learn the basic forms of litigation, the preparation of legal documents, the ethics of the legal profession, basic computer and application software, legal research, and all the functions necessary to assist attorneys in the service of their clients. After successfully completing the course, the student may identify themselves as a Paralegal in compliance with California Business & Professions Code 6450. Students must have completed an associate's or a bachelor's degree that included 18 units of academic subjects before being admitted to the program.

Program Requirements
Required Courses (Total 30)
Complete all of the following

Required Courses (Total 24)	Units
Complete all of the following	
PARL 100 - Introduction to Law and Ethics	3
PARL 101 - Civil Litigation I	3
PARL 102 - Civil Litigation II	3
PARL 103 - Contracts	3
PARL 104 - Torts	3
PARL 105 - Family Law	3
PARL 109 - Legal Research and Law Office Technology	3
PARL 110 - Legal Analysis and Writing	3

Program Electives (Total 6)	
Complete the following number of units: 6	
PARL 106 - Real Property	3
PARL 107 - Wills, Trusts, and Probate	3
PARL 108 - Criminal Litigation	3

Recommended Pathway	
Term 1	**Units**
PARL 100 - Introduction to Law and Ethics	3
PARL 101 - Civil Litigation I	3
PARL 104 - Torts	3
PARL 109 - Legal Research and Law Office Technology	3
PARL 105 - Family Law	3
	Total 15
Term 2	
PARL 103 - Contracts	3
PARL 110 - Legal Analysis and Writing	3
PARL 102 - Civil Litigation II	3
Program Electives (see list)	3
Program Electives (see list)	3
	Total 15
	Certificate Total 30

Associate Degree

Paralegal Studies AA

This program is provided to teach the skills necessary to be an active paralegal professional in the modern legal services provider system. The student will learn the basic forms of litigation, the preparation of legal documents, the ethics of the legal profession, basic computer and application software, legal research, and all the functions necessary to assist attorneys in the service of their clients. After successfully completing the course, the student may identify themselves as a Paralegal in compliance with California Business & Professions Code 6450.

Program Requirements
Required Courses (Total 30)
Complete all of the following

Required Courses (Total 24)	Units
Complete all of the following	
PARL 100 - Introduction to Law and Ethics	3
PARL 101 - Civil Litigation I	3
PARL 102 - Civil Litigation II	3
PARL 103 - Contracts	3
PARL 104 - Torts	3
PARL 105 - Family Law	3
PARL 109 - Legal Research and Law Office Technology	3
PARL 110 - Legal Analysis and Writing	3

Program Electives (Total 6)	
Complete the following number of units: 6	
PARL 106 - Real Property	3
PARL 107 - Wills, Trusts, and Probate	3
PARL 108 - Criminal Litigation	3

Recommended Pathway	
Term 1	**Units**
AVC GE Area 1A (ENGL C1000)	4
PARL 100 - Introduction to Law and Ethics	3
AVC GE Area 3	3
AVC GE Area 2	3
General Elective	2
	Total 15

Term 2

General Elective	3
AVC GE Area 4	3
PARL 105 - Family Law	3
AVC GE Area 1B	3
General Elective	3
	Total 15

Term 3

PARL 104 - Torts	3
PARL 101 - Civil Litigation I	3
PARL 109 - Legal Research and Law Office Technology	3
PARL 103 - Contracts	3
Program Electives (see list)	3
	Total 15

Term 4

AVC GE Area 6	3
AVC GE Area 5	3
PARL 102 - Civil Litigation II	3
PARL 110 - Legal Analysis and Writing	3
Program Electives (see list)	3
	Total 15
	Degree Total 60

Legal Assisting (Paralegal) Courses

PARL 100 INTRODUCTION TO LAW AND ETHICS

3 Units

Total Course Lecture Hours 54

This course introduces students to the court system, attorney and judicial rules, personal and substantive jurisdiction, trial procedures, and law office ethics. (CSU, AVC)

PARL 101 CIVIL LITIGATION I

3 Units

Total Course Lecture Hours 54

In this class, students will understand how to prepare a civil case, including initial investigation, opening pleadings, attack on the pleadings, discovery, trial prep documents, summary judgments, and appeal paperwork. (CSU, AVC)

PARL 102 CIVIL LITIGATION II

3 Units

Total Course Lecture Hours 54

Prerequisite: *PARL 101*

In this class, students will learn about preparing a civil case, opening pleadings, attack on the pleadings, discovery, trial preparation documents, the rules of evidence, and the process of appeal. (CSU, AVC)

PARL 103 CONTRACTS

3 Units

Total Course Lecture Hours 54

Students will learn the formation of a contract, bilateral/unilateral agreements, statute of frauds, third-party rights, execution of an agreement, defenses to enforcement, and document preparation about contract formation, bilateral/unilateral agreements, statutes of fraud, third-party rights, and document preparation. (CSU, AVC)

PARL 104 TORTS

3 Units

Total Course Lecture Hours 54

Students will understand substantive civil laws, personal injury laws, negligence and intentional torts, strict liability, and remedies. (CSU, AVC)

PARL 105 FAMILY LAW

3 Units

Total Course Lecture Hours 54

Students will understand how pleadings, restraining order requests, preparation of financial documents, child custody requests, and trial briefs are processed. (CSU, AVC)

PARL 106 REAL PROPERTY

3 Units

Total Course Lecture Hours 54

Upon completion of the course, the student will have a detailed knowledge of the laws of real property, land use, property ownership rules, landlord-tenant laws, financing, purchasing and selling real property, and the power of the state in eminent domain. Important court cases on real property will be studied. Students will be able to apply these concepts to factual examples. (CSU, AVC)

PARL 107 WILLS, TRUSTS, AND PROBATE

3 Units

Total Course Lecture Hours 54

Students will learn the rules of creating valid Wills and Trusts. They will also explore intestacy and explain the various types of these instruments. They will study the duties of Trustees and the various types of Trusts. Finally, they will present the process of Probate Court. (CSU, AVC)

PARL 108 CRIMINAL LITIGATION

3 Units

Total Course Lecture Hours 54

Students will understand the various categories of criminal acts, be able to apply relevant defenses and use creative thinking to resolve issues related to the prosecution of crime. (CSU, AVC)

PARL 109 LEGAL RESEARCH AND LAW OFFICE TECHNOLOGY

3 Units

Total Course Lecture Hours 36

Total Course Lab Hours 54

This class introduces students to the core function of legal research and the use of modern tools in creating researched documents. Research is part of the basic day-to-day work of a Paralegal in a client-based law firm, Court, Government office or corporation. In this class the student will learn to find authority to solve legal problems in favor of the client or answer questions of concern to an attorney. Computer competency and use of common law office software and knowledgeable research methodology using modern research tools is the goal of the class. (CSU, AVC)

PARL 110 LEGAL ANALYSIS AND WRITING

3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54
Prerequisite: *PARL 109*
This course mirrors the actual work done by paralegals in modern law firms. Students are given assignments and fact patterns and tasked with document creation. Strong research and English skills are required. Successful class completion should demonstrate the skill level necessary for employment as a paralegal. Fact patterns are provided by the instructor. (CSU, AVC)

Department Description

This degree will provide students with an opportunity to earn an AA degree in one of three major areas of study: Math and Sciences; Social/Behavioral Sciences; or Arts and Humanities. It is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them.

Degree Requirements:
Requirements may be satisfied by completing a total of 60 units comprised of the following:

- A minimum of 18 core course units listed in the degree.
- Student must receive a minimum grade of "C" or better in all required core courses in order to qualify for the degree.
- 21 units of AVC/General Education (GE) requirements; and enough elective units to complete the required balance of 60 total units.

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at the university of their choice.

Courses that were approved for IGETC and/or Cal-GETC at the time the courses were taken may be substituted in the LAS majors regardless of catalog rights.

Courses:
Refer to the available degrees and certificates to see the available courses.

Program Learning Outcomes

Math and Science - Option I AA

1. Solve problems, including computational, real world, and/or proof, independently.
2. Effectively communicate solutions to problems using words and/or mathematical symbols.

Social and Behavioral Sciences - Option II AA

1. Students will demonstrate an awareness of the methods of inquiry used by professional social and behavioral scientists, including research, critical analysis, and synthesis.
2. Students will be able to critically evaluate the behaviors, attitudes, and beliefs of diverse cultures.

Arts and Humanities Option III AA

1. Students will be able to critically analyze /discuss the behaviors, attitudes, and beliefs of peoples from diverse cultures/ backgrounds.
2. Students will demonstrate an ability to communicate ideas and concepts which come from diverse areas of human knowledge.

Associate Degree

Math and Science - Option I AA

This degree will provide students with an opportunity to earn an AA degree in one of three major areas of study: Math and Sciences; Social/Behavioral Sciences; or Arts and Humanities. It is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them.

Program Requirements
Math and Science - Option I (Total 18)
Complete the following number of units: 18

Required Math Courses (Total 6 - 12)	**Units**
Complete the following number of units: 6-12	
MATH 110 - Mathematics for Liberal Arts Students	3
STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4
MATH 116 - Introduction to Statistics Using R	4
MATH 124 - Finite Math	4
MATH 128 - College Algebra for Liberal Arts	3
MATH 140 - Precalculus	4
MATH 148 - Calculus for Business and Economics	4
MATH 150 - Calculus and Analytic Geometry	5
MATH 150H - Calculus & Analytic Geometry Honors	5
MATH 160 - Calculus and Analytic Geometry	4
MATH 220 - Linear Algebra	4
MATH 230 - Introduction to Ordinary Differential Equations	4
MATH 250 - Calculus and Analytic Geometry	4

Required Courses (Total 6 - 12)	
Complete the following number of units: 6-12	
ANTH 101 - Introduction to Biological Anthropology	3
ANTH 101H - Biological Anthropology Honors	3
ASTR C1001 - Introduction to Astronomy	3
ASTR C1001H - Introduction to Astronomy - Honors	3
BIOL C1001 - Introduction to Biology	3
BIOL C1001L - Introduction to Biology Lab	1
BIOL 103 - Introduction to Botany	4
BIOL 104 - Environmental Biology	3
BIOL 104H - Environmental Biology Honors	3
BIOL 110 - General Molecular Cell Biology	5
BIOL 120 - General Organismal, Ecological and Evolutionary Biology	5
BIOL 201 - General Human Anatomy	4
BIOL 202 - General Human Physiology	4
BIOL 204 - General Microbiology	5
CHEM 101 - Introductory Chemistry	5
CHEM 102 - Introductory Chemistry (Organic & Biochemistry)	4
CHEM 110 - General Chemistry	5
CHEM 120 - General Chemistry	5
CHEM 210 - Organic Chemistry	5
CHEM 220 - Organic Chemistry	5
ERSC 101 - Introduction to Earth Science	4
GEOG 101 - Physical Geography: Earth's Surface Landscapes	3
GEOG 102 - Physical Geography: Earth's Weather & Climate	3
GEOL 101 - Physical Geology	3
GEOL 101H - Physical Geology Honors	3
GEOL 102 - Historical Geology	3
PHYS 101 - Introductory Physics	4
PHYS 102 - Introductory Physics	4
PHYS 110 - General Physics	4
PHYS 120 - General Physics	4
PHYS 211 - General Physics	5
PSCI 101 - Physical Science	4

Recommended Pathway	
Term 1	**Units**
Required Math Courses (MATH 110)	3
AVC GE Area 1A (ENGL C1000)	4
General Elective	3
General Elective	3
General Elective	2
	Total 15
Term 2	
Required Math Courses (STAT C1000)	4
Required Courses (ERSC 101)	4
AVC GE Area 1B	3
General Elective	3
General Elective	3
	Total 17
Term 3	
Required Courses (ANTH 101)	3
Required Math Courses (see list)	3-5
Required Courses (see list)	1-5
AVC GE Area 3	3
General Elective	3
	Total 13-19
Term 4	
AVC GE Area 4	3
AVC GE Area 6	3
General Elective	3
General Elective	3
General Elective	3
	Total 15
	Degree Total 60

Social and Behavioral Sciences- Option II AA

This degree will provide students with an opportunity to earn an AA degree in one of three major areas of study: Math and Sciences; Social/Behavioral Sciences; or Arts and Humanities. It is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them.

Program Requirements

Social and Behavioral Sciences II AA (Total 18)

Complete the following number of units: 18	**Units**
Required Courses - Choose up to six (Total 0 - 18)	
Complete the following number of units: 0-18	
AJ 206 - Criminology	3
ANTH 102 - Introduction to Cultural Anthropology	3
ANTH 103 - Archaeology and World Prehistory	3
ANTH 110 - Latin American & Caribbean Cultures	3
ANTH 140 - Introduction to Archaeology	4
BUS 212 - Women and Minorities in Business	3
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 103 - The Child in Family and Community Relationship	3
DFST 105 - Introduction to American Deaf Culture	3
DFST 106 - Introduction to Deaf Education	3
ECON 100 - Survey of Economics	3
ECON 110 - Economics of the Underclass	3
GEOG 105 - Cultural Geography	3
GEOG 106 - California Geography	3
GEOG 110 - World Regional Geography	3
HIST 104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3
HIST 105 - Introduction to World Civilization, 1500 - Present	3
HIST 113 - Women in American History	3
HIST 114 - History of California	3
HIST 116 - Contemporary U.S. History: From Vietnam to Iraq	3
HIST 118 - American West History, 1806-Present	3
HIST 119 - History of Latin America and the Caribbean	3
POLS 103 - Comparative Government	3
POLS 200 - Introduction to Political Theory	3
POLS 202 - Ethnic Politics in America	3
POLS 203 - The Judicial Process	3
PSY 200 - Introduction to Research Methods in Psychology	3
PSY 201 - Introduction to Physiological Psychology	3
PSY 212 - Human Sexuality	3
PSY 230 - Social Psychology	3
PSY 232 - Theories of Personality	3
PSY 233 - Personal and Social Adjustment	3
PSY 234 - Abnormal Psychology	3
PSY 235 - Child Psychology	3
PSY 236 - Developmental Psychology	3
SOC 105 - The Mexican American in Contemporary Society	3
SOC 110 - Ethnic Relations	3
SOC 111 - Issues and Concepts in Aging	3
SOC 112 - American Social Issues: Problems and Challenges	3
SOC 115 - Modern Relationships and Family Life	3
SOC 116 - Sociology of Gender and Sexuality	3
SOC 120 - Drugs, Society and Human Behavior	3
SOC 200 - Research Methods for the Social Sciences	3
Required Course - Choose up to one (Total 0 - 3)	
Complete the following number of units: 0-3	
ANTH 112 - Native North Americans	3
ANTH 112H - Native North Americans Honors	3
Required Course - Choose up to one (Total 0 - 3)	
Complete the following number of units: 0-3	
ECON C2002 - Principles of Macroeconomics	3
ECON C2002H - Principles of Macroeconomics - Honors	3
Required Course - Choose up to one (Total 0 - 3)	
Complete the following number of units: 0-3	
ECON C2001 - Principles of Microeconomics	3
ECON C2001H - Principles of Microeconomics - Honors	3
Required Course - Choose up to one (Total 0 - 3)	
Complete the following number of units: 0-3	
HIST C1001 - United States History to 1877	3
HIST C1001H - United States History to 1877 - Honors	3
Required Course - Choose up to one (Total 0 - 3)	
Complete the following number of units: 0-3	
HIST C1002 - United States History since 1865	3
HIST C1002H - United States History since 1865 - Honors	3
Required Course - Choose up to one (Total 0 - 3)	
Complete the following number of units: 0-3	
HIST 110 - African-American History, 1450-1877	3
HIST 110H - African-American History, 1450-1877 Honors	3
Required Course - Choose up to one (Total 0 - 3)	
Complete the following number of units: 0-3	
HIST 111 - African-American History, 1877-Present	3
HIST 111H - African-American History, 1877-Present Honors	3
Required Course - Choose up to one (Total 0 - 3)	
Complete the following number of units: 0-3	
POLS C1000 - American Government and Politics	3
POLS C1000H - American Government and Politics - Honors	3

Required Course - Choose up to one (Total 0 - 3)
Complete the following number of units: 0-3

PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3

Required Course - Choose up to one (Total 0 - 3)
Complete the following number of units: 0-3

SOCI C1000 - Introduction to Sociology	3
SOCI C1000H - Introduction to Sociology - Honors	3

Recommended Pathway

Term 1 - Fall	**Units**
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 2	3
AVC GE Area 3	3
Social and Behavioral Sciences - Option II AA (see list)	3
General Elective	2
	Total 15
Term 2 - Spring	
Social and Behavioral Sciences - Option II AA (see list)	3
Social and Behavioral Sciences - Option II AA (see list)	3
AVC GE Area 4	3
AVC GE Area 1B	3
General Elective	3
	Total 15
Term 3 - Fall	
Social and Behavioral Sciences - Option II AA (see list)	3
Social and Behavioral Sciences - Option II AA (see list)	3
General Elective	3
Social and Behavioral Sciences - Option II AA (see list)	3
General Elective	3
	Total 15
Term 4 - Spring	
AVC GE Area 5	3
AVC GE Area 6	3
General Elective	3
General Elective	3
General Elective	3
	Total 15
	Degree Total 60

Arts and Humanities - Option III AA

This degree will provide students with an opportunity to earn an AA degree in one of three major areas of study: Math and Sciences; Social/Behavioral Sciences; or Arts and Humanities. It is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them. Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at the university of their choice.

Program Requirements
Arts and Humanities Option III (Total 18)
Complete all of the following

Arts - Required Courses (Total 6)	**Units**
ART 100 - Art Appreciation	3
ARTH C1100 - Survey of Art from Prehistory to the Medieval Era	3
ARTH C1100H - Survey of Art from Prehistory to the Medieval Era - Honors	3
ARTH C1200 - Survey of Art from the Renaissance to Contemporary	3
ARTH C1200H - Survey of Art from the Renaissance to Contemporary - Honors	3
ART 103 - History of Art: Africa, Oceania and Indigenous North America	3
ART 104 - History of Modern and Contemporary Art in the 20th Century	3
DA 101 - Dance Appreciation	3
DFST 110 - Power, Privilege, and Oppression	3
FTV 101 - Introduction to Film	3
FTV 107 - History of Film, Pre 1950	3
FTV 108 - History of Film, 1950-Present	3
FTV 203 - African-American Cinema	3
MUS 101 - Music Appreciation	3
MUS 101H - Music Appreciation Honors	3
MUS 105 - World Music	3
MUSC 102 - History of Jazz	3
MUSC 103 - History of Rock 'n Roll	3
MUSC 107 - History of Women in Rock Music	3
PHOT 107 - History of Photography	3
THA1 01 - Introduction to Theatre	3
THA 101H - Introduction to Theatre Honors	3
THA 110 - Fundamentals of Acting	3

Humanities - Required Courses (Total 6)
Complete the following number of units: 6

CHIN 101 - Elementary Chinese I	5
CHIN 102 - Elementary Chinese 2	5
CHIN 201 - Intermediate Chinese	5
CHIN 202 - Intermediate Chinese	5
DFST 101 - American Sign Language I	4
DFST 102 - American Sign Language II	4
DFST 105 - Introduction to American Deaf Culture	3
DFST 201 - American Sign Language III	4
DFST 202 - American Sign Language IV	4
ENGL 221 - American Literature 1400-1865	3
ENGL 222 - American Literature 1865-Present	3
ENGL 225 - English Literature 800-1750	3
ENGL 227 - English Literature 1750-Present	3
ENGL 230 - World Literature 1	3
ENGL 231 - World Literature 2	3
ENGL 235 - Shakespeare and Culture	3
ENGL 242 - Studies in Fiction	3
ENGL 253 - African American Literature	3
ENGL 256 - Latinx/e Literature	3
ENGL 257 - Ethnic Studies: Native American Studies in Literature	3
ENGL 259 - Gender and Literature	3
ENGL 265 - Film and Literature	3
ENGL 279 - Science Fiction and Dystopian Literature	3

FREN 101 - Elementary French 1	5
FREN 102 - Elementary French 2	5
FREN 201 - Intermediate French 1	5
FREN 202 - Intermediate French 2	5
FREN 203 - Advanced French	3
FTV 201 - Intercultural & Women's Film	3
FTV 203 - African-American Cinema	3
GER 101 - Elementary German 1	5
GER 102 - Elementary German 2	5
GER 201 - Intermediate German 1	4
GER 202 - Intermediate German 2	4
HIST 115 - Cultural History of Mexico	3
LATN 101 - Elementary Latin 1	5
LATN 102 - Elementary Latin 2	5
LATN 201 - Intermediate Latin	5
PHIL 105 - Ethics: Moral Issues in Contemporary Society	3
PHIL 105H - Ethics: Moral Issues in Society Honors	3
PHIL 106 - Introduction to Philosophy	3
PHIL 108 - Philosophy of Religion	3
PHOT 107 - History of Photography	3
SPAN 101 - Elementary Spanish 1	5
SPAN 102 - Elementary Spanish 2	5
SPAN 110SS - Spanish for Heritage Speakers I	5
SPAN 201 - Intermediate Spanish 1	5
SPAN 202 - Intermediate Spanish 2	5
SPAN 203 - Introduction to Hispanic Literature	3
SPAN 210SS - Spanish for Heritage Speakers II	5
SPAN 220SS - Composition and Conversation	5
THA 239 - Intercultural and Women's Theatre	3

Arts OR Humanities - Required Courses (Total 6)
Complete the following number of units: 6

Complete 6 additional units from either Arts or Humanities List	6

Recommended Pathway

Term 1	**Units**
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 2 (MATH 110)	3
Arts - Required Courses (ART 103)	3
Humanities - Required Courses (DFST 101)	4
General Elective	1
	Total 15
Term 2	
Humanities - Required Courses (DFST 102)	4
AVC GE Area 4 (DFST 110)	3
AVC GE Area 5 (ANTH 101)	3
AVC GE Area 6 (ENGL 257)	3
General Elective	3
	Total 16
Term 3	
THA 110 - Fundamentals of Acting	3
Humanities - Required Courses (DFST 201)	4
AVC GE Area 1B (COMM C1000)	3
AVC GE Area 3 (HIST 110)	3
General Elective	3
	Total 16
Term 4	
Humanities - Required Courses (DFST 202)	4
General Elective	3
General Elective	3
General Elective	3
	Total 13
	Degree Total 60

Department Description

Information literacy - the ability to effectively locate, analyze, evaluate and use information - is a necessary set of skills. Library Studies courses provide the means to develop information literacy skills for academic work and lifelong learning.

These courses teach students to better perform in all programs offered at the college. They will learn academic research methods and the organization of information as well as the history, development, and function of information in society. Students will also develop an appreciation of how information and research skills can enhance their lives beyond college.

Associate Degree/Certificate

No degrees or certificates are currently offered.

Library Studies Courses

LIB 101 INTRODUCTION TO ACADEMIC LIBRARIES & RESEARCH

2 Units

Total Course Lecture Hours 36

This course will introduce students to the basics of academic library research. It will cover access and use of periodical databases, library catalogs, search engines and other information tools. Students will learn to evaluate information for quality by considering authorship, timeliness, and information sources used. Students will become familiar with a variety of information sources, in multiple formats, covering an array of subject areas. Students will be introduced to concepts of information literacy and aspects of information technology.(CSU, AVC)

LIB 107 INFORMATION LITERACY

3 Units

Total Course Lecture Hours 54

This course was influence by the "Framework for Information Literacy for Higher Education" from the Association of College and Research Libraries (ACRL). Students will learn how information is created, organized, retrieved across platforms and formats and synthesized into new objects. The course focuses on finding information effectively, evaluating it critically, and using it ethically. In addition to traditional tools like reference materials, databases and the internet, students will also explore emerging technologies. This course can fulfill Information Literacy/Competency requirements at many colleges and universities and prepares students to handle changing information landscapes. (CSU, AVC)

LIB 110 INTRODUCTION TO INTERNET RESEARCH

1 Unit

Total Course Lecture Hours 18

This course guides students in the use of the internet as an essential tool for academic research. Topics covered include efficient use of search engines, history and evolution of online search tools, evaluation of internet sources (including Wikipedia, social media and AI) and applying these tools to support college-level research. The course also explores continuing emergent technologies and their impact on the research process, helping students adapt to the changing landscape of digital information. (CSU, AVC)

LIB 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

Department Description

The Management program offers students the opportunity to develop an understanding of the importance and diversity of the field of management. Students gain the skills and knowledge to effectively plan, organize, direct, and control multiple resources such as capital, labor, and materials in a management setting. Corporate organizations through small business organizations are analyzed so that students may apply the concepts learned in the program. Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Learning Outcomes

Management Certificate

1. BUS111 Create business documents that clearly communicate the appropriate message using proper grammar and punctuation.
2. MGT101 Explain ethical dilemmas and social responsibility issues managers may confront in an organization.

Certificate Programs

Management Certificate

Students who are pursuing careers in management, but are not intending to complete an associates degree at this time, will learn important job skills and acquire critical management knowledge to prepare them for today's workplace environment. The following courses (18 units) are required for the Management certificate. Students who successfully complete the certificate requirements will be prepared for entry-level management career opportunities.

Program Requirements

Required Courses (Total 18)

Complete all of the following	**Units**
BUS 111 - Business English	3
BUS 113 - Business Communications	3
MGT 101 - Management Principles	3
MGT 115 - Human Behavior in Organization	3
MGT 121 - Human Resources Management	3
MGT 202 - Supervisory Management	3

Recommended Pathway

Term 1	**Units**
BUS 111 - Business English	3
MGT 121 - Human Resources Management	3
MGT 101 - Management Principles	3
	Total 9
Term 2	
MGT 115 - Human Behavior in Organization	3
MGT 202 - Supervisory Management	3
BUS 113 - Business Communications	3
	Total 9
	Certificate Total 18

Associate Degree

Associate degree not applicable. See General Business, Management concentration.

Management Courses

MGT 101 MANAGEMENT PRINCIPLES

3 Units

Total Course Lecture Hours 54

This course is designed for managers and aspiring managers, as well as those who work for managers. It includes an analysis of the principles and theories of management. Topics of study include managerial functions of planning, organizing, leading, and controlling; managerial processes of decision-making, leadership, motivation, and communication; ethics; diversity and team management; operations management; and the global business environment. (CSU, AVC)

MGT 115 HUMAN BEHAVIOR IN ORGANIZATION

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of MGT 101.*

This course is designed for students interested in understanding the dynamics of the impact of human behavior in the workplace. The course includes an introduction to the major concepts of the behavioral sciences and applications for managing people in organizations. Topics include perception, motivation, communication, conflict, leadership, diversity, and group dynamics. Emphasis is placed on practical problem solving through application of theories and principles. (CSU, AVC)

MGT 121 HUMAN RESOURCES MANAGEMENT

3 Units

Total Course Lecture Hours 54

Advisory*: Completion of MGT 101.*

This course introduces the principles and methods related to effective and efficient utilization of human resources in organizations. Understanding human resources processes including the recruitment, selection, and placement of employees with regard to their knowledge, skills, and abilities is discussed. Other areas of human resources processes covered include compensation, labor relations, organizational development, and legal issues. Discussions, illustrations, practical exercises, and case studies are used to develop effective techniques in dealing with human resources situations. (CSU, AVC)

MGT 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

MGT 201 SMALL BUSINESS MANAGEMENT

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of MGT 101.*

This course is designed for business students and other individuals interested in entrepreneurship. An analysis will be made of opportunities, challenges, and pitfalls associated with starting and/or managing small independently-owned firms. Students will obtain a practical viewpoint of the management functions of planning, organizing, financing, and controlling a new or on-going organization. (CSU, AVC)

MGT 202 SUPERVISORY MANAGEMENT

3 Units

Total Course Lecture Hours 54

Advisory: *Students are strongly encouraged to complete MGT101 prior to enrolling in this course.*

This course is designed for the student who is considering a career in management and is seeking a supervisory/ management position with a company in retailing, industry, or the government. This course examines the role of the first-line manager and/or supervisor within the organization and emphasizes the application of management functions in effective supervision. Topics include an overview of management principles, critical concepts and insights into real world practice and the challenges of supervising employees. (CSU, AVC)

Department Description

The Marketing program offers students the opportunity to recognize and respond to the changing attitudes and demands of consumers for the tangible goods and intangible services they desire. Students will learn about the various products and services that consumers want, as well as the place, pricing, and promotional strategies needed to target the proper product or service to the consumer. The program places special emphasis on e-commerce and digital methodologies to reach the consumer. Students will learn about concepts including brand awareness, target marketing, and social media marketing.

Program Learning Outcomes

Digital Marketing Cert

1. Discuss the different steps required to develop a sound social media strategy.
2. Describe how companies and brands use social media to connect, interact, and engage with customers.

Certificate Programs

Digital Marketing Cert

This certificate is designed to familiarize students with the tools and techniques that are needed to establish, cultivate, and oversee customer relationships in today's digital atmosphere. The following courses (24 units) are required for the digital marketing certificate. Students who successfully complete the certificate requirements may apply the skills that are developed during this program for their own businesses or may apply this knowledge for a position in an entry-level position or as a social media, advertising, or promotion specialist position.

Program Requirements
Digital Marketing (Total 24)
Complete all of the following

Required Courses (Total 18)	Units
Complete all of the following	
DM 101 - Digital Media Arts	3
DM 103 - Graphic Design I	3
DM 115 - Graphic Communications I	3
MKTG 101 - Principles of Marketing	3
MKTG 130 - Digital Marketing	3
MKTG 132 - Social Media Marketing	3

Program Electives (Total 6)	
Complete the following number of units: (6)	
DM 106 - Video Design & Production I	3
DM 113 - Photoshop I	3
DM 127 - Web Design and Production I	3
PHTC 125 - Beginning Digital Photography	3

Recommended Pathway

Term 1	Units
MKTG 101 - Principles of Marketing	3
MKTG 130 - Digital Marketing	3
Program Electives (PHTC 125)	3
DM 101 - Digital Media Arts	3
	Total 12

Term 2	
MKTG 132 - Social Media Marketing	3
DM 115 - Graphic Communications I	3
Program Electives (see list)	3
DM 103 - Graphic Design I	3
	Total 12
	Certificate Total 24

Associate Degree

Associate degree not applicable. See General Business, Marketing concentration.

Marketing Courses

MKTG 101 PRINCIPLES OF MARKETING

3 Units

Total Course Lecture Hours 54

This course is an introduction to the business activities in the field of marketing. The ideas and concepts presented will focus on increasing one's understanding of marketing and the business activities required to serve a selected target market: product planning, pricing, distribution, and promotion. Emphasis will be placed on raising awareness and assimilating these ideas and concepts into serving present and potential customers within the current legal, competitive, and socio-economic environment. (CSU, AVC)

MKTG 112 INTRODUCTION TO ADVERTISING

3 Units

Total Course Lecture Hours 54

This course is an introduction to the history, consumer consciousness, and agency activities in the field of advertising. The ideas and concepts presented will focus on understanding and identifying target audiences and developing an awareness of the advertising stratagem to serve those audiences. Emphasis will be placed on understanding past and present consumerism, advertising aims and goals in retail, wholesale, print and electronic advertising media as they apply to the business marketing and advertising environment. (CSU, AVC)

MKTG 130 DIGITAL MARKETING

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of or concurrent enrollment in MKTG 101.*

This course will help students to apply traditional marketing concepts in today's rapidly evolving e-commerce setting. Students will explore topics in such areas as mobile marketing, social media marketing, search engine marketing, and website content. (CSU, AVC)

MKTG 132 SOCIAL MEDIA MARKETING

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of MKTG 130*

This course will provide students with a thorough understanding of social media marketing. Topics of study will include social media strategy, target audience figuration, evaluating different social media platforms, and the development of an effective social media marketing plan. (CSU, AVC)

MKTG 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

Department Description

Mathematics is the study of shape, quantity, pattern, and arrangement. Math is all around us, in everything we do. It is the building block for everything in our daily lives, including mobile devices, computers, software, architecture, sports, and even art. Numbers, letters, and symbols constitute the language of mathematics and, as in any language, are used to convey ideas and relationships. Through courses such as Statistics, Linear Algebra, Calculus, and Differential Equations, students will enhance their problem solving and critical thinking while gaining a fundamental knowledge of Mathematics and its relation to science, technology, engineering, and the world.

Program Learning Outcomes

Mathematics AS-T

1. Solve mathematical problems, including computational, real world, and proof, independently.
2. Effectively communicate solutions to mathematical problems using both words and mathematical symbols.

Associate Degree

Mathematics 2.0 AS-T

The Associate in Science in Mathematics 2.0 for Transfer (AS-T) offers students a fundamental knowledge of Mathematics and its relation to science, technology, and engineering. Students will enhance their problem solving and critical thinking skills by applying mathematical models to real world problems or utilizing mathematical objects and theorems to evaluate the validity of a statement or to prove mathematical statements. The Associate in Science in Mathematics 2.0 for Transfer (AS-T) meets the requirements of SB 1440 for Associate Degrees for Transfer. These degrees are intended to make it easier for students to transfer to California State University campuses but do not exclude admittance to other colleges or universities.

To earn an Associate in Science in Mathematics 2.0 for Transfer (AS-T in Mathematics) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Mathematics 2.0 AS-T (Total 24 - 26)

Complete all of the following	**Units**
Required Core (Total 21)	
Complete all of the following	
Required Courses - Choose one (Total 5)	
Complete the following number of units: 5	
MATH 150 - Calculus and Analytic Geometry	5
MATH 150H - Calculus and Analytic Geometry Honors	5
Required Courses (Total 16)	
Complete all of the following	
MATH 160 - Calculus and Analytic Geometry	4
MATH 220 - Linear Algebra	4
MATH 230 - Introduction to Ordinary Differential Equations	4
MATH 250 - Calculus and Analytic Geometry	4

List A: Choose one (Total 3 - 5)
Complete the following number of units: 3-5

CS 120 - Programming and Algorithms in C++	3
CS 122 - Programming and Algorithms in Python	3
PHYS 110 - General Physics	5

Recommended Pathway

Term 1	**Units**
MATH 150 - Calculus and Analytic Geometry ***OR***	
MATH 150H - Calculus & Analytic Geometry Honors	5
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 6	3
Cal-GETC GE Area 3B	3
	Total 14
Term 2	
MATH 160 - Calculus and Analytic Geometry	4
Cal-GETC GE Area 5A	3
Cal-GETC GE Area 5C	1
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 4	3
General Elective	1
	Total 16
Term 3	
MATH 250 - Calculus and Analytic Geometry	4
Cal-GETC GE Area 3A	3
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 4	3
General Elective	3
	Total 16
Term 4	
Required Course (MATH 220)	4
Required Course (MATH 230)	4
Cal-GETC GE Area 5B	3
List A (see list)	3-5
	Total 14-16
	Degree Total 60

Mathematics Courses

MATH 035 SUPPORT COURSE FOR MATH 135

1.5 Units

Total Course Lecture Hours 27

Corequisite: *Concurrent enrollment in Math 135.*

A review of core prerequisite skills, competencies, and concepts needed in Trigonometry. Intended for students who are concurrently enrolled in MATH 135, Trigonometry. Topics include concepts from arithmetic, pre-algebra, elementary algebra, and intermediate algebra that are needed to understand the basics of college-level Trigonometry. NOTE: No grade will be given for this class; students will receive "pass" or "no pass" only. (Credit course not applicable to the associate degree and certificate programs.)

MATH 040S SUPPORT COURSE FOR MATH 140

2 Units

Total Course Lecture Hours 36

Corequisite*: Concurrent enrollment in Math 140.*

A review of core prerequisite skills, competencies, and concepts needed in Precalculus. Intended for students who are concurrently enrolled in MATH 140, Precalculus. Topics include concepts from Elementary Algebra, Intermediate Algebra, and Trigonometry that are needed to understand the basics of college-level Precalculus. NOTE: No grade will be given for this class; students will receive "pass" or "no pass" only. (Credit course not applicable to the associate degree and certificate programs.)

MATH 049S SUPPORT COURSE FOR MATH 149

2 Units

Total Course Lecture Hours 36

Corequisite: *Concurrent enrollment in Math 149.*

A review of core prerequisite skills, competencies, and concepts needed in Precalculus and Calculus. Intended for students who are concurrently enrolled in Math 149, Foundations of Calculus. Topics include concepts from arithmetic, pre-algebra, elementary algebra, and intermediate algebra that are needed to understand the basics of college-level Precalculus and Calculus. NOTE: No Grade will be given for this class; students will receive "pass" or "no pass" only. (Credit course not applicable to the associate degree and certificate programs.)

MATH 050S SUPPORT COURSE FOR MATH 150

2 Units

Total Course Lecture Hours 36

Corequisite: *Concurrent enrollment in Math 150.*

A review of core prerequisite skills, competencies, and concepts needed in Calculus. Intended for students who are concurrently enrolled in MATH 150, Calculus. Topics include concepts from Intermediate Algebra and Precalculus that are needed to understand the basics of college-level Calculus. NOTE: No grade will be given for this class; students will receive "pass" or "no pass" only. (Credit course not applicable to the associate degree and certificate programs.)

MATH 060S SUPPORT COURSE FOR MATH 160

2 Units

Total Course Lecture Hours 36

Corequisite: *Concurrent enrollment in Math 160.*

This course delivers intensive, skill-focused instruction designed to support students' success in Calculus II. It reviews and reinforces foundational topics-such as algebra, trigonometry, and arithmetic-while aligning instruction with the current Calculus II content. The course is graded Pass/No Pass and connects weekly with the core course's material. (Credit course not applicable to the associate degree and certificate programs.)

MATH 103 MATH FOR TECHNICAL FIELDS

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of Intermediate Algebra or placement by Multiple Measures.*

This course is designed to equip Career Technical Education students with the mathematical competencies needed in today's workplace. Topics include college level algebra, measurement units and conversion, estimation, geometry, trigonometry, and basic statistics and probability. It will use technology for visualization and problem solving. Applications and modeling using quantitative reasoning will be emphasized. (CSU, AVC)

MATH 110 MATHEMATICS FOR LIBERAL ARTS STUDENTS

3 Units

Total Course Lecture Hours 54

Pre-requisite: *Completion of Intermediate Algebra or higher or placement by multiple measures.*

This is a survey of mathematics course and is designed for students who are taking mathematics for liberal arts majors or as a fulfillment of their general education requirements. The course is a survey of mathematical topics that introduces the art, history, and applications to a general audience. Students will appreciate mathematics through exploration of a wide range of applications in physical and social sciences, and also via its unparalleled and often surprising appearance in humanities. (UC, CSU, AVC)

MATH 116 INTRODUCTION TO STATISTICS USING R

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of Intermediate Algebra or higher or placement by multiple measures..*

This course will cover the common traditional statistical methods taught in a beginning course using the statistical software R. Course will include statistical reporting of results using R-markdown authoring in the R-Studio program. 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. (UC, CSU, AVC)

MATH 120 MATH FOR TEACHERS

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of Intermediate Algebra or higher or placement by multiple measures.*

This course is designed to provide students with a deep conceptual understanding of the mathematics taught at the elementary and middle school level. Topics covered included problem-solving skills, the structure of the real number systems, other numeration systems, basic number theory, set theory, and use of manipulatives. Additionally, students will look at the Common Core State Standards and how these standards are applied in the content covered in class. (UC, CSU, AVC)

MATH 124 FINITE MATH

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of Intermediate Algebra or higher or placement by multiple measures.*

Finite Math is designed for students interested in business, social and behavioral sciences. Topics include Linear Functions, Matrices, Linear Programming, Mathematics of Finance, Sets and Logic, Probability, Statistics, and Markov Chains. (C-ID: MATH 130) (UC, CSU, AVC)

MATH 128 COLLEGE ALGEBRA FOR LIBERAL ARTS

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of Intermediate Algebra or higher or placement by multiple measures*

A college-level course in algebra for non-STEM or liberal arts majors covering the properties and graphs of polynomial, rational, radical, absolute value, and exponential and logarithmic functions; solutions and applications of equations and systems of equations and inequalities from these functions; linear programming; and introduction to matrices and determinants in solving linear systems. (This course will not satisfy the algebra prerequisite for the calculus sequence.) (C-ID: MATH 150) (UC, CSU, AVC)

MATH 135 PLANE TRIGONOMETRY

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of Intermediate Algebra or higher or placement by multiple measures.*

This course is for the student who is preparing for calculus, physics, engineering, and other applications requiring trigonometry. Topics include the trigonometric functions, basic identities, inverse trigonometric functions, solutions of triangles, trigonometric equations, introduction to vectors, and complex numbers. (CSU, AVC)

MATH 140 PRECALCULUS

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion MATH 135 or placement by multiple measures.*

This course is primarily for students who have completed intermediate algebra and trigonometry and are planning to study calculus or other mathematically oriented courses in satisfaction of STEM major areas of study such as chemistry, physics, engineering, biological sciences, economics, and technology. Topics include equation-solving, graphing, and analysis of polynomial, absolute value, radical, rational, exponential, logarithmic, trigonometric, conic and polar functions. (C-ID: MATH 155) (UC, CSU, AVC)

MATH 148 CALCULUS FOR BUSINESS AND ECONOMICS

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of Intermediate Algebra or higher or placement by Multiple Measures.*

Calculus for Business & Economics is a course designed for students in business, management, economics, and social sciences who require more advanced mathematics. The course emphasizes on applications of derivatives and integrals. Topics include functions, limits, continuity, graphing, differentiation, and integration. (C-ID: MATH 140) (UC, CSU, AVC)

MATH 149 FOUNDATIONS OF CALCULUS

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of Intermediate Algebra or placement by multiple measures*

This course is primarily for students who are planning to study calculus or other mathematically oriented courses in satisfaction of STEM major areas of study such as chemistry, physics, engineering, biological sciences, economics, technology, and mathematics. Topics include linear, polynomial, rational, radical, exponential, absolute value, logarithmic, and trigonometric functions, the limit of a function, the limit laws, continuity of a function, derivatives. (CSU, AVC)

MATH 150 CALCULUS AND ANALYTIC GEOMETRY

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of MATH 140 or MATH 149 or placement by multiple measures.*

This course is for the student planning upper-division work in math, physics, engineering or business. It involves differentiation and integration of algebraic, trigonometric, exponential, and logarithmic functions. Applications include extrema, graphing, related rates, area. (C-ID: MATH 210) (MATH 150 + MATH 160 = C-ID: MATH 900S) (UC, CSU, AVC)

MATH 150H CALCULUS & ANALYTIC GEOMETRY HONORS

5 Units

Total Course Lecture Hours 90

Prerequisite: *Math 140 or Math 149 or placement by multiple measures.*

This honors course, intended for students in the Honors Transfer Program, is for the student planning upper-division work in math, physics, engineering or business. It involves differentiation and integration of algebraic, trigonometric, exponential, and logarithmic functions. Applications include extrema, graphing, related rates, area. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. (UC, CSU, AVC) Note: Students may take either MATH 150 Calculus & Analytic Geometry or MATH 150H Calculus & Analytic Geometry Honors. Duplicate credit will not be awarded.

MATH 160 CALCULUS AND ANALYTIC GEOMETRY

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of MATH 150 or MATH 150H or placement by multiple measures.*

This course is a continuation of Math 150. It includes applications of integration, integration techniques, indeterminate forms, improper integrals, infinite series, and topics in analytic geometry. (C-ID: MATH 220) (UC, CSU, AVC)

MATH 220 LINEAR ALGEBRA

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of MATH 160.*

This is an introductory course in linear algebra, designed for transfer students majoring in the mathematical, biological, physical, engineering, sociological or managerial sciences. Topics to be covered include systems of linear equations, matrices, determinants, vector spaces, inner product spaces, linear transformations, eigenvalues and eigenvectors. This course will include references to applications of the above topics in the areas of differential equations, least squares fitting to data, geometry of linear operators on R2, diagonalizing quadratic forms and conic sections. (C-ID: MATH 250) (UC, CSU, AVC)

MATH 230 INTRODUCTION TO ORDINARY DIFFERENTIAL EQUATIONS

4 Units

Total Course Lecture Hours 72

Advisory: *Completion of MATH 220 and MATH 250.*

Prerequisite: *Completion of MATH 160.*

This is an introduction course in solving numerous types of ordinary differential equations including first order linear and nonlinear equations, higher order linear equations, systems of linear equations, and the associated initial value problems. In addition to the standard methods, the Laplace transform, power series method, and matrix method are covered. Applications of differential equations in physics, chemistry, economics and social sciences will be studied throughout the course. (C-ID: MATH 240) (UC, CSU, AVC)

MATH 250 CALCULUS AND ANALYTIC GEOMETRY

4 Units

Total Course Lecture Hours 72

Prerequisite: *Completion of MATH 160.*

This course is a continuation of MATH 160. Includes vector theory and the geometry of 3-dimensional space, vector-valued functions, functions of several variables, partial differentiation, multiple integration and vector analysis. (C-ID: MATH 230) (UC, CSU, AVC)

STAT 1000S SUPPORT COURSE FOR STATC1000

2 Units

Total Course Lecture Hours 36

Corequisite*: Concurrent enrollment in STATC1000. Formerly MATH 015*

A review of core prerequisite skills, competencies, and concepts needed in Statistics. Intended for students who are concurrently enrolled in STATC1000, Introduction to Statistics. Topics include concepts from arithmetic, pre-algebra, elementary algebra, intermediate algebra, and descriptive statistics that are needed to understand the basics of college-level statistics. Concepts are taught through the context of descriptive data analysis. NOTE: No grade will be given for this class; students will receive "pass" or "no pass" only. (Credit course not applicable to the associate degree and certificate programs.)

STAT C1000 INTRODUCTION TO STATISTICS

4 Units

Total Course Lecture Hours 72

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra. Formerly MATH 115 (C-ID: MATH 110) (UC, CSU, AVC)

STAT C1000H INTRODUCTION TO STATISTICS - HONORS

4 Units

Total Course Lecture Hours 72

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. This is an honors course. Formerly MATH 115H (C-ID: MATH 110) (UC, CSU, AVC) Note: Students may take either STATC1000 Introduction to Statistics or STATC1000H Introduction to Statistics - Honors. Duplicate credit will not be awarded.

Department Description

The medical assistant program prepares people to work under the direction of physicians, registered nurses, and podiatrists in medical offices and clinics.

***Note: All associate degrees require the completion of a minimum of 60 semester units.**

Program Learning Outcomes

Medical Assistant AS & Cert

1. To prepare competent entry-level medical assistants in the (cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Certificate Program

Medical Assistant Cert

The Medical Office Assistant program provides comprehensive education and hands-on training for individuals seeking employment in outpatient and ambulatory healthcare settings such as physician offices, clinics, and specialty practices. The curriculum integrates administrative and clinical competencies required of entry-level allied health professionals and reflects current standards of professional practice and patient safety. The program is designed to prepare medical assistants who are competent in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the profession. Students develop knowledge of medical terminology, anatomy and physiology, pharmacology principles, infection control, and legal and ethical responsibilities in healthcare. Administrative instruction includes appointment scheduling, patient reception, electronic health records, billing and coding fundamentals, insurance processing, and communication skills. Clinical training includes patient preparation, vital signs, assisting with examinations and procedures, specimen collection, medication administration (within scope), aseptic technique, and emergency response procedures. The program emphasizes professionalism, cultural sensitivity, confidentiality, teamwork, and patient-centered care. Through supervised laboratory practice and an externship in a healthcare facility, students apply theory to real-world practice while working under the direction of licensed healthcare providers. Successful completion of the program prepares graduates for entry-level employment in medical offices and clinics and qualifies them to pursue nationally recognized credentialing examinations.

Program Requirements
Medical Assistant Cert (Total 36)
Complete all of the following

Required Courses (Total 32)	**Units**
Complete all of the following	
BIOL 100 - Elementary Human Anatomy and Physiology	3
BIP 151 - Basic Principles of Coding for the Medical Office	3
BIP 152 - Beginning Medical Insurance	3
BIP 205 - Medical Office Procedures	3
MOA 101 - Beginning Medical Terminology	3
MOA 102 - Advanced Medical Terminology	3
MOA 110 - Beginning Medical Office Assisting	4
MOA 111 - Advanced Medical Office Assisting	7
NF 100 - Nutrition	3

Required Course - ENGL Honors Option (Total 4)
Complete the following number of units: 4

ENGL C1000 - Academic Reading and Writing	4
ENGL C1000H - Academic Reading and Writing - Honors	4

Recommended Pathway

Term 1	**Units**
BIOL 100 - Elementary Human Anatomy and Physiology	3
ENGL C1000 - Academic Reading and Writing ***OR***	
ENGL C1000H - Academic Reading and Writing - Honors	4
NF 100 - Nutrition	3
	Total 10
Term 2	
MOA 101 - Beginning Medical Terminology	3
BIP 151 - Basic Principles of Coding for the Medical Office	3
BIP 152 - Beginning Medical Insurance	3
	Total 9
Term 3	
BIP 205 - Medical Office Procedures	3
MOA 102 - Advanced Medical Terminology	3
MOA 110 - Beginning Medical Office Assisting	4
	Total 10
Term 4	
MOA 111 - Advanced Medical Office Assisting	7
	Total 7
	Certificate Total 36

Associate Degree

Medical Assistant AS

The Medical Office Assistant program provides comprehensive education and hands-on training for individuals seeking employment in outpatient and ambulatory healthcare settings such as physician offices, clinics, and specialty practices. The curriculum integrates administrative and clinical competencies required of entry-level allied health professionals and reflects current standards of professional practice and patient safety. The program is designed to prepare medical assistants who are competent in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the profession. Students develop knowledge of medical terminology, anatomy and physiology, pharmacology principles, infection control, and legal and ethical responsibilities in healthcare. Administrative instruction includes appointment scheduling, patient reception, electronic health records, billing and coding fundamentals, insurance processing, and communication skills. Clinical training includes patient preparation, vital signs, assisting with examinations and procedures, specimen collection, medication administration (within scope), aseptic technique, and emergency response procedures. The program emphasizes professionalism, cultural sensitivity, confidentiality, teamwork, and patient-centered care. Through supervised laboratory practice and an externship in a healthcare facility, students apply theory to real-world practice while working under the direction of licensed healthcare providers. Successful completion of the program prepares graduates for entry-level employment in medical offices and clinics and qualifies them to pursue nationally recognized credentialing examinations.

Program Requirements
Medical Assistant AS (Total 48)
Complete all of the following

Required Courses (Total 41)

Complete all of the following	**Units**
BIOL 100 - Elementary Human Anatomy and Physiology	3
BIP 110 - Keyboarding I	1
BIP 111 - MS Word I	1
BIP 112 - MS Excel I	1
BIP 120 - Keyboarding II	1
BIP 121 - MS Word II	1
BIP 122 - MS Excel II	1
BIP 130 - Keyboarding III	1
BIP 131 - MS Word III	1
BIP 132 - MS Excel III	1
BIP 151 - Basic Principles of Coding for the Medical Office	3
BIP 152 - Beginning Medical Insurance	3
BIP 205 - Medical Office Procedures	3
MOA 101 - Beginning Medical Terminology	3
MOA 102 - Advanced Medical Terminology	3
MOA 110 - Beginning Medical Office Assisting	4
MOA 111 - Advanced Medical Office Assisting	7
NF 100 - Nutrition	3

Required Course - ENGL Honors Option (Total 4)
Complete the following number of units: 4

ENGL C1000 - Academic Reading and Writing	4
ENGL C1000H - Academic Reading and Writing - Honors	4

Required Course - COMM Honors Option (Total 3)
Complete the following number of units: 3

COMM C1000 - Introduction to Public Speaking	3
COMM C1000H - Introduction to Public Speaking - Honors	3

Recommended Pathway

Fall Term	**Units**
NF 100 - Nutrition	3
BIOL 100 - Elementary Human Anatomy and Physiology	3
ENGL C1000 - Academic Reading and Writing	4
BIP 110 - Keyboarding I	1
BIP 111 - MS Word I	1
BIP 112 - MS Excel I	1
AVC GE Area 2	3
	Total 16
Intersession	
COMM C1000 - Introduction to Public Speaking	3
	Total 3
Spring Term	
MOA 101 - Beginning Medical Terminology	3
BIP 151 - Basic Principles of Coding for the Medical Office	3
BIP 152 - Beginning Medical Insurance	3
BIP 120 - Keyboarding II	1
BIP 121 - MS Word II	1
BIP 122 - MS Excel II	1
AVC GE Area 6	3
	Total 15
Summer Term	
AVC GE Area 3	3
AVC GE Area 4	3
	Total 6
Fall Term	
MOA 110 - Beginning Medical Office Assisting	4
BIP 205 - Medical Office Procedures	3
MOA 102 - Advanced Medical Terminology	3
BIP 130 - Keyboarding III	1
BIP 131 - MS Word III	1
BIP 132 - MS Excel III	1
AVC GE Area 5	3
	Total 16
Spring Term	
MOA 111 - Advanced Medical Office Assisting	7
	Total 7
	Degree Total 63

Medical Assisting Courses

MOA 101 BEGINNING MEDICAL TERMINOLOGY

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL C1000 (ENGL 101) with a grade of "C" or better.*

This course provides experience in building basic terms commonly used in the medical field using prefixes, suffixes, and word roots. An introduction to anatomy and physiology is used to illustrate applications of terms in a body systems approach. (CSU, AVC)

MOA 102 ADVANCED MEDICAL TERMINOLOGY

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of MOA 101 with a "C" or better, completion of ENGL C1000 (ENGL 101) with a grade of "C" or better*

The focus of this course is continued development of understanding and application of medical language to practical situations that occur in hospitals, clinics, physicians' offices, medical records, and medical communication. (CSU, AVC)

MOA 110 BEGINNING MEDICAL OFFICE ASSISTING

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Prerequisite: *Completion of BIOL 100, BIP 151, BIP 152, ENGL C1000 (ENGL 101), MOA 101, and NF 100 all with a grade of "C" or better.*

The course includes duties and responsibilities of the medical assistant including medical ethics, etiquette, law, assisting the physician in the examination of the patient, medical and surgical asepsis and wound care. Human relations for the medical office is also covered. School uniforms are required in this course. (AVC)

MOA 111 ADVANCED MEDICAL OFFICE ASSISTING

7 Units
Total Course Lecture Hours 54
Total Course Lab Hours 216
Limitations on Enrollment: *Student must have a current BLS card.*
Prerequisite: *Completion of BIP 205, MOA 102, and MOA 110 all with a "C" or better.*
The course covers advanced skills for assisting the physician in the medical office or clinic. The legal and technical aspects of patient teaching and office laboratory procedures are presented. This course requires a school uniform. (AVC)

Department Description

Students who complete the certificate have enhanced employability in the field of aerospace technology. This program helps current and aspiring leaders learn to promote positive change, make data-informed decisions, lead by example, and solve complex problems with sustainable solutions. Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Learning Outcomes

Metrology Sciences for Aerospace Manufacturing Cert (MSAM)

1. Analyze and evaluate critical aspects of metrology as it pertains to the aerospace manufacturing industry, which includes aspects related to safe work practices, standards and tolerances, standard shop practices, proper use of tools, equipment, operating systems, and personal protective equipment.
2. Analyze, evaluate, and troubleshoot, aerospace manufacturing defects, flaws, and out of tolerance as it relates to the proper methods of setting up metrology systems for inspection, detection, and correction.

Certificate Program

Metrology Sciences for Aerospace Manufacturing

This program is designed to familiarize students with the standards and practices of metrology used in the aerospace manufacturing industries, which includes hands-on training and familiarization with metrology tooling, equipment, and systems. Jobs associated with this certificate are Tool & Die Maker, Machinist, Metrology Tech, Dimension Control Tech, Tool Design, and Tool Engineer. Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives to qualify for the certificate.

Program Requirements

Metrology Sciences for Aerospace Manufacturing (Total 10)

Complete all of the following	Units
MSAM 110 - Fundamentals of Dimensional Metrology	4
MSAM 115 - Metrology Systems and Application	6

Recommended Pathway

Term 1	Units
MSAM 110 - Fundamentals of Dimensional Metrology	4
MSAM 115 - Metrology Systems and Application	6
	Total 10
	Certificate Total 10

Metrology Sciences for Aerospace Manufacturing Courses

MSAM 110 FUNDAMENTALS OF DIMENSIONAL METROLOGY

4 Units

Total Course Lecture Hours 72

This course is designed to provide students with the basic knowledge of metrology as utilized in the aerospace maintenance and manufacturing processes. The course explores basic measurement concepts, precision measurement its relationship to geometric tolerances, critical dimensions, measurement standards, managing various metrology systems, applying proper technique to produce good measurements, and interpretation of key units of measure and measurement instruments. Use of basic measuring tools and traditional analog measuring systems. (AVC)

MSAM 115 METROLOGY SYSTEMS AND APPLICATION

6 Units

Total Course Lecture Hours 90

Total Course Lab Hours 54

Prerequisite: *Completion of MSAM 110.*

This course is designed to provide students with knowledge in the use of advanced metrology non-contact measurement systems, hardware, and co-ordinate measurement system software. Students in this course will learn fundamental theories and best practices, interpret, and respond to measurement outcomes an uncertainty. The focus of this course is to provide an operational understanding of advanced co-ordinate measurement systems (CMM), Portable Co-ordinate Measuring Machines (PMM), and advanced metrology software control systems. Measurement of free form surfaces and the application of Geometric Dimensioning & Tolerancing (GD&T) standards and practices will be performed. This course covers precision measurement, its relationship to geometric tolerances, critical dimensions, and calibration. Statistical process control and quality assurance using manual and automated gauges, checking fixtures, non-destructive testing, and coordinate measuring systems. Use of vision, laser, and other non-contact measuring systems. (AVC)

Department Description

The Music Program offers an AA-T in Music, designed to prepare students for additional university study and careers as classical instrumentalists/vocalists, composers, music educators, music therapists, and art administrators. Students are taught solo and ensemble performance, music theory, and musicianship that best prepares them for the 21st-century market.

Program Learning Outcomes

Music AA

1. Students will perform a soloist and in ensemble (large and chamber), with the technical skills that produce artistic expression.
2. Students will demonstrate command of the organizing principles of music through written analysis and composition.
3. Students will demonstrate advanced skills and aural analysis and dictation, and music reading.
4. Students will be prepared for the required placement exams associated with transferring to a four-year music program.
5. Students will demonstrate advanced keyboard skills.

Music AA-T

1. Students will perform a soloist and in ensemble with the technical skills that produce artistic expression.
2. Students will demonstrate command of the organizing principles of music through written analysis and composition.
3. Students will demonstrate advanced skills and aural analysis and dictation, and music reading.
4. Students will be prepared for the required placement exams associated with transferring to a four-year music program.

Music Composition & Songwriting Cert

1. Analyze, compose, and aurally identify musical units in a variety of styles and with industry-appropriate technique.
2. Demonstrate an understanding of keyboard theory through piano proficiency.
3. Demonstrate industry-appropriate competency in the use of technology.
4. Understand applicable industry legal terminology and processes.
5. Analyze, critically evaluate, and produce live musical performances.
6. Perform with professional, industry-standard technical and musical competency.

Music Industry Studies AA

1. Analyze, compose, and aurally identify musical units in a variety of styles and with industry-appropriate technique.
2. Demonstrate an understanding of keyboard theory through piano proficiency.
3. Demonstrate industry-appropriate competency in the use of technology.
4. Understand applicable industry legal terminology and processes.
5. Analyze, critically evaluate, and produce live musical performances.
6. Discuss musical style in greater socio-cultural context.
7. Perform with professional, industry-standard technical and musical competency.

Music Performance & Education Cert

1. Analyze, compose, and aurally identify musical units in a variety of styles and with industry-appropriate technique.
2. Demonstrate an understanding of keyboard theory through piano proficiency.
3. Analyze, critically evaluate, and produce live musical performances.
4. Discuss musical style in greater socio-cultural context.
5. Perform with professional, industry-standard technical and musical competency.

Music Technology, Production, & Management Cert

1. Demonstrate an understanding of keyboard theory through piano proficiency.
2. Demonstrate industry-appropriate competency in the use of technology.
3. Understand applicable industry legal terminology and processes.
4. Analyze, critically evaluate, and produce live musical performances.

Certificate Programs

Music Composition & Songwriting Cert

The Music Composition & Songwriting certificate is designed to prepare students for careers upon graduation to write music (popular, concert, or for media). Students are trained in a breadth of musical concepts, including theory, musicianship, piano, and music technology.

Program Requirements
Music Composition & Songwriting Cert (Total 21)
Complete all of the following

Required Core (Total 14)	**Units**
Complete all of the following	
MUS 120 - Music Theory I	3
MUS 131 - Piano I	1
MUS 132 - Piano II	1
MUS 151 - Music Theory II	3
MUS 153A - Musicianship I	1
MUS 153B - Musicianship II	1
MUSC 104 - The Music Industry	3
MUSC 199 - Work Experience Education	1

Ensemble: select two units from the following: (Total 2)	
Complete the following number of units: 2	
MUS 160 - Symphonic Band	1
MUS 166 - Orchestra	1
MUS 180 - Chamber Music	1
MUS 181 - Master Chorale	1
MUSC 170A - Marching Marauders	1
MUSC 173 - Jazz Ensemble B (Beginning)	1
MUSC 220A - Popular Music Ensemble (Test Flight)	1
MUSC 273 - Jazz Ensemble A (Advanced)	1

Applied Music Performance (Total 1)	
Complete the following number of units: 1	
MUS 292 - Applied Music Performance	0.5

Private Lessons: take one of the following two times: (Total 1)	
Complete the following number of units: 1	
MUS 291A - Private Lessons: Voice, Guitar, and Piano	0.5
MUS 291B - Private Lessons: Winds, Brass, and Percussion	0.5
MUS 291C - Private Lessons: Bowed Strings	0.5
MUS 291D - Private Lessons: Popular Music, Composition, and Non-Transfer	0.5

Specialty: take one of the following: (Total 3)
Complete the following number of units: 3

MUSC 113 - Songwriting	3
MUSC 136 - Media Scoring	3
MUSC 150C - Music Notation & Composition: Sibelius Fundamentals	3

Recommended Pathway

Fall 1 (Term 1)	**Units**
MUS 120 - Music Theory I	3
MUS 153A - Musicianship I	1
MUS 131 - Piano I	1
MUSC 104 - The Music Industry	3
Ensemble (see list)	1
Private Lessons (see list)	0.5
Applied Music Performance (MUS 292)	0.5
	Total 10
Spring 1 (Term 2)	
MUS 151 - Music Theory II	3
MUS 153B - Musicianship II	1
MUS 132 - Piano II	1
MUSC 199 - Work Experience Education	1
Ensemble (see list)	1
Applied Music Performance (MUS 292)	0.5
Private Lessons (see list)	0.5
Specialty (see list)	3
	Total 11
	Certificate Total 21

Music Performance & Education Cert

The Music Performance & Education certificate is designed to prepare students for careers upon graduation to perform as instrumentalists and vocalists, and to work as classified or private music educators. Students are trained in a breadth of musical concepts, including theory, musicianship, piano, music technology, and music history.

Program Requirements
Music Performance & Education (Total 21)
Complete all of the following

Core (Total 12)	**Units**
Complete all of the following	
MUS 120 - Music Theory I	3
MUS 131 - Piano I	1
MUS 132 - Piano II	1
MUS 151 - Music Theory II	3
MUS 153A - Musicianship I	1
MUS 153B - Musicianship II	1
MUSC 199 - Work Experience Education	2

Large Ensemble: select two units from the following: (Total 2)
Complete the following number of units: 2

MUS 160 - Symphonic Band	1
MUS 166 - Orchestra	1
MUS 180 - Chamber Music	1
MUS 181 - Master Chorale	1
MUSC 170A - Marching Marauders	1
MUSC 173 - Jazz Ensemble B (Beginning)	1
MUSC 220A - Popular Music Ensemble (Test Flight)	1
MUSC 273 - Jazz Ensemble A (Advanced)	1

Applied Music Performance (Total 1)
Complete the following number of units: 1

MUS 292 - Applied Music Performance	0.5

Private Lessons: complete one of the following two times: (Total 1)
Complete the following number of units: 1

MUS 291A - Private Lessons: Voice, Guitar, and Piano	0.5
MUS 291B - Private Lessons: Winds, Brass, and Percussion	0.5
MUS 291C - Private Lessons: Bowed Strings	0.5
MUS 291D - Private Lessons: Popular Music, Composition, and Non-Transfer	0.5

Improvisation: Complete the following two times: (Total 2)
Complete the following number of units: 2

MUSC 124A - Improvisation	1

History & Appreciation: select one of the following: (Total 3)
Complete the following number of units: 3

MUS 101 - Music Appreciation	3
MUS 101H - Music Appreciation Honors	3
MUS 105 - World Music	3
MUS 106 - African American Music	3
MUS 110 - Music of Latin America	3
MUSC 102 - History of Jazz	3
MUSC 103 - History of Rock 'n Roll	3
MUSC 107 - History of Women in Rock Music	3
MUSC 108 - History of Hip Hop	3
MUSC 109 - History of Motown Music	3

Recommended Pathway

Fall 1 (Term 1)	**Units**
MUS 120 - Music Theory I	3
MUS 153A - Musicianship I	1
MUS 131 - Piano I	1
Large Ensemble (see list)	1
Applied Music Performance (MUS 292)	0.5
Private Lessons (see list)	0.5
Improvisation (MUSC 124A)	1
History & Appreciation (see list)	3
	Total 11
Spring 1 (Term 2)	
MUS 151 - Music Theory II	3
MUS 153B - Musicianship II	1
MUS 132 - Piano II	1
Large Ensemble (see list)	1
Applied Music Performance (MUS 292)	0.5
Private Lessons (see list)	0.5
Improvisation (MUSC 124A)	1
MUSC 199 - Work Experience Education	2
	Total 10
	Certificate Total 21

Music Technology, Production, & Management Cert

The Music Technology, Production, & Management Certificate is designed to prepare students for careers upon graduation to produce live and/or recorded music. Students are trained in a breadth of musical concepts, including piano, music technology, music industry, and concert management.

Program Requirements
Music Technology, Production, & Management Cert (Total 21)
Complete all of the following

Required Core (Total 20)	Units
Complete all of the following	
MUS 131 - Piano I	1
MUS 132 - Piano II	1
MUSC 100 - Introduction to Music Technology	3
MUSC 104 - The Music Industry	3
MUSC 134 - Music Production I	3
MUSC 141 - Concert Management	2
MUSC 143A - Live Sound	2
MUSC 199 - Work Experience Education	2
MUSC 233 - Music Production II	3

Applied Music Performance (Total 1)
Complete the following number of units: 1

MUS 292 - Applied Music Performance	0.5

Recommended Pathway

Fall 1 (Term 1)	Units
MUS 131 - Piano I	1
MUSC 100 - Introduction to Music Technology	3
MUSC 104 - The Music Industry	3
MUSC 141 - Concert Management	2
Applied Music Performance (MUS 292)	0.5
	Total 9.5
Spring 1 (Term 2)	
MUS 132 - Piano II	1
MUSC 134 - Music Production I	3
MUSC 143A - Live Sound	2
Applied Music Performance (MUS 292)	0.5
	Total 6.5
Fall 2 (Term 3)	
MUSC 233 - Music Production II	3
MUSC 199 - Work Experience Education	2
	Total 5
	Certificate Total 21

Associate Degree

Music AA

To obtain the Associate of Arts in Music degree, students will gain a comprehensive understanding of music theory, history, performance, and piano, equipping them with the necessary skills for a seamless transition to a California State University or University of California as a Music major. This degree not only fosters musical proficiency but also cultivates critical thinking and problem-solving abilities essential for success in various academic and professional pursuits. Moreover, the curriculum may also delve into interdisciplinary areas, offering insights into related fields such as arts management or music technology. The Associate of Arts in Music is designed to mirror the Associate of Arts in Music for Transfer (AA-T in Music) with additional classes in piano and chamber music to prepare students for piano proficiency exams and junior-level performance proficiency in chamber music. Students are encouraged to pursue the AA in Music and AA-T in Music simultaneously.

Program Requirements
Music AA (Total 29)
Complete all of the following

Required Courses (Total 19)	
Complete all of the following	**Units**
MUS 120 - Music Theory I	3
MUS 131 - Piano I	1
MUS 132 - Piano II	1
MUS 151 - Music Theory II	3
MUS 153A - Musicianship I	1
MUS 153B - Musicianship II	1
MUS 231 - Piano III	1
MUS 251A - Music Theory III	3
MUS 251B - Music Theory IV	3
MUS 253A - Musicianship III	1
MUS 253B - Musicianship IV	1

Complete one of the following four times: (Total 2)
Complete the following number of units: 2

MUS 291A - Private Lessons: Voice, Guitar, and Piano	0.5
MUS 291B - Private Lessons: Winds, Brass, and Percussion	0.5
MUS 291C - Private Lessons: Bowed Strings	0.5

Large Ensemble (Total 4)
Complete the following number of units: 4

MUS 160 - Symphonic Band	1
MUS 166 - Orchestra	1
MUS 181 - Master Chorale	1

Chamber Ensemble (Total 4)
Complete the following number of units: 4

MUS 180 - Chamber Music	1

Recommended Pathway

Fall 1 (Term 1)	Units
MUS 120 - Music Theory I	3
MUS 153A - Musicianship I	1
MUS 131 - Piano I	1
Large Ensemble (see list)	1
MUS 291A - Private Lessons: Voice, Guitar, and Piano ***OR*** MUS 291B - Private Lessons: Winds, Brass, and Percussion ***OR*** MUS 291C - Private Lessons: Bowed Strings	0.5
Chamber Ensemble (MUS 180)	1
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 1B (COMM C1000)	3
General Elective	1
	Total 15.5
Spring 1 (Term 2)	
MUS 151 - Music Theory II	3
MUS 153B - Musicianship II	1
MUS 132 - Piano II	1
Large Ensemble (see list)	1
MUS 291A - Private Lessons: Voice, Guitar, and Piano ***OR*** MUS 291B - Private Lessons: Winds, Brass, and Percussion ***OR*** MUS 291C - Private Lessons: Bowed Strings	0.5
Chamber Ensemble (MUS 180)	1
AVC GE Area 2 (MATH 110)	3
AVC GE Area 4 (HIST 111)	3
General Elective	2
	Total 15.5

Summer (Term 3)

MUS 231 - Piano III	1
	Total 1

Fall 2 (Term 4)

MUS 251A - Music Theory III	3
MUS 253A - Musicianship III	1
Large Ensemble (see list)	1
MUS 291A - Private Lessons: Voice, Guitar, and Piano ***OR***	
MUS 291B - Private Lessons: Winds, Brass, and Percussion ***OR***	
MUS 291C - Private Lessons: Bowed Strings	0.5
Chamber Ensemble (MUS 180)	1
AVC GE Area 5 (ANTH 101)	3
General Elective	3
General Elective	2
	Total 14.5

Spring 2 (Term 5)

MUS 251B - Music Theory IV	3
MUS 253B - Musicianship IV	1
Large Ensemble (see list)	1
MUS 291A - Private Lessons: Voice, Guitar, and Piano ***OR***	
MUS 291B - Private Lessons: Winds, Brass, and Percussion ***OR***	
MUS 291C - Private Lessons: Bowed Strings	0.5
Chamber Ensemble (MUS 180)	1
AVC GE Area 6 (ENGL 257)	3
General Elective	3
General Elective	1
	Total 13.5
	Degree Total 60

Music AA-T

To obtain the Associate of Arts in Music for Transfer (AA-T in Music) degree, students will gain a comprehensive understanding of music theory, history, and performance, equipping them with the necessary skills for a seamless transition to a California State University or University of California as a Music major. This degree not only fosters musical proficiency but also cultivates critical thinking and problem-solving abilities essential for success in various academic and professional pursuits. Moreover, the curriculum may also delve into interdisciplinary areas, offering insights into related fields such as arts management or music technology. The Associate of Arts in Music for Transfer (AA-T in Music) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University or University of California campuses but do not exclude admittance to other colleges or universities.

To earn the Associate of Arts in Music for Transfer (AA-T in Music) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Music AA-T (Total 22)
Complete all of the following

Required Courses (Total 12) Units
Complete the following number of units: 12

MUS 120 - Music Theory I	3
MUS 151 - Music Theory II	3
MUS 153A - Musicianship I	1
MUS 153B - Musicianship II	1
MUS 251A - Music Theory III	3
MUS 253A - Musicianship III	1

Complete one of the following four times (Total 2)
Complete the following number of units: 2

MUS 291A - Private Lessons: Voice, Guitar, and Piano	0.5
MUS 291B - Private Lessons: Winds, Brass, and Percussion	0.5
MUS 291C - Private Lessons: Bowed Strings	0.5

Large Ensemble (Total 4)
Complete the following number of units: 4

MUS 160 - Symphonic Band	1
MUS 166 - Orchestra	1
MUS 181 - Master Chorale	1

List A (Total 4)
Complete all of the following

MUS 251B - Music Theory IV	3
MUS 253B - Musicianship IV	1

Recommended Pathway

Fall 1	**Units**
MUS 120 - Music Theory I	3
MUS 153A - Musicianship I	1
MUS 291A - Private Lessons: Voice, Guitar, and Piano ***OR***	
MUS 291B - Private Lessons: Winds, Brass, and Percussion ***OR***	
MUS 291C - Private Lessons: Bowed Strings	0.5
Large Ensemble (see list)	1
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 3B	3
Cal-GETC GE Area 3A (MUS 101)	3
	Total 15.5

Spring 1 (Term 2)

MUS 151 - Music Theory II	3
MUS 153B - Musicianship II	1
MUS 291A - Private Lessons: Voice, Guitar, and Piano ***OR***	
MUS 291B - Private Lessons: Winds, Brass, and Percussion ***OR***	
MUS 291C - Private Lessons: Bowed Strings	0.5
Large Ensemble (see list)	1
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 2 (MATH 110)	3
Cal-GETC GE Area 4 (HIST 111)	3
General Elective	1
	Total 15.5

Fall 2 (Term 3)

MUS 251A - Music Theory III	3
MUS 253A - Musicianship III	1
MUS 291A - Private Lessons: Voice, Guitar, and Piano ***OR*** MUS 291B - Private Lessons: Winds, Brass, and Percussion ***OR*** MUS 291C - Private Lessons: Bowed Strings	0.5
Large Ensemble (see list)	1
Cal-GETC GE Area 5B (ANTH 101)	3
Cal-GETC GE Area 4 (POLS C1000)	3
Cal-GETC GE Area 1B (ENGL C1002)	3
General Elective	1
Total	**15.5**

Spring 2 (Term 4)

List A (MUS 251B)	3
List A (MUS 253B)	1
MUS 291A - Private Lessons: Voice, Guitar, and Piano ***OR*** MUS 291B - Private Lessons: Winds, Brass, and Percussion ***OR*** MUS 291C - Private Lessons: Bowed Strings	0.5
Large Ensemble (see list)	1
Cal-GETC GE Area 5A (PSCI 101)	4
Cal-GETC GE Area 6	3
General Elective	1
Total	**13.5**
Degree Total	**60**

Music Industry Studies AA

The Associate in Arts in Music Industry Studies is designed to prepare students for careers upon graduation to perform as instrumentalists and vocalists, to work as classified or private music educators, to write music (popular, concert, or for media), or to produce live and/or recorded music. Students are trained in a breadth of musical concepts, including theory, musicianship, piano, music technology, and music history. Additionally, students choose an emphasis in performance and education, composition and songwriting, or technology, production, and management.

Program Requirements
Music Industry Studies AA (Total 34 - 35)
Complete all of the following

Required Courses (Total 17)	**Units**
Complete all of the following	
MUS 120 - Music Theory I	3
MUS 131 - Piano I	1
MUS 132 - Piano II	1
MUS 151 - Music Theory II	3
MUS 153A - Musicianship I	1
MUS 153B - Musicianship II	1
MUS 231 - Piano III	1
MUSC 100 - Introduction to Music Technology	3
MUSC 104 - The Music Industry	3

Required Course - Choose one (Total 3)
Complete the following number of units: 3

MUS 101 - Music Appreciation	3
MUS 105 - World Music	3
MUS 106 - African American Music	3
MUS 110 - Music of Latin America	3
MUSC 102 - History of Jazz	3
MUSC 103 - History of Rock 'n Roll	3
MUSC 107 - History of Women in Rock Music	3
MUSC 108 - History of Hip Hop	3
MUSC 109 - History of Motown Music	3

Applied Music Performance (Total 2)
Complete the following number of units: 2

MUS 292 - Applied Music Performance	0.5

Emphasis - Choose one option (Total 12 - 13)
Complete the following number of units: 12-13
Performance & Education Emphasis - Option I (Total 12)
Complete all of the following
Required (Total 4)
Complete all of the following

MUS 251A - Music Theory III	3
MUS 253A - Musicianship III	1

Improvisation (Total 2)
Complete the following number of units: 2

MUSC 124A - Improvisation	1

Applied Music (Total 2)
Complete the following number of units: 2

MUS 291A - Private Lessons: Voice, Guitar, and Piano	0.5
MUS 291B - Private Lessons: Winds, Brass, and Percussion	0.5
MUS 291C - Private Lessons: Bowed Strings	0.5
MUS 291D - Private Lessons: Popular Music, Composition, and Non-Transfer	0.5

Ensemble (Total 4)
Complete the following number of units: 4

MUS 160 - Symphonic Band	1
MUS 166 - Orchestra	1
MUS 180 - Chamber Music	1
MUS 181 - Master Chorale	1
MUSC 170A - Marching Marauders	1
MUSC 173 - Jazz Ensemble B (Beginning)	1
MUSC 220A - Popular Music Ensemble (Test Flight)	1
MUSC 273 - Jazz Ensemble A (Advanced)	1

Composition & Songwriting Emphasis - Option II (Total 13)
Complete all of the following
Required (Total 4)
Complete all of the following

MUS 251A - Music Theory III	3
MUS 253A - Musicianship III	1

Focus (Total 3)
Complete the following number of units: 3

MUSC 113 - Songwriting	3
MUSC 136 - Media Scoring	3
MUSC 150C - Music Notation & Composition: Sibelius Fundamentals	3

Applied Music (Total 2)
Complete the following number of units: 2

MUS 291A - Private Lessons: Voice, Guitar, and Piano	0.5
MUS 291B - Private Lessons: Winds, Brass, and Percussion	0.5
MUS 291C - Private Lessons: Bowed Strings	0.5
MUS 291D - Private Lessons: Popular Music, Composition, and Non-Transfer	0.5

Ensemble (Total 4)
Complete the following number of units: 4

MUS 160 - Symphonic Band	1
MUS 166 - Orchestra	1
MUS 180 - Chamber Music	1
MUS 181 - Master Chorale	1
MUSC 170A - Marching Marauders	1
MUSC 173 - Jazz Ensemble B (Beginning)	1
MUSC 220A - Popular Music Ensemble (Test Flight)	1
MUSC 273 - Jazz Ensemble A (Advanced)	1

Technology, Production, & Management Emphasis - Option III (Total 12)
Complete all of the following
Required (Total 10)
Complete all of the following

MUSC 134 - Music Production I	3
MUSC 141 - Concert Management	2
MUSC 143A - Live Sound	2
MUSC 233 - Music Production II	3

Performance (Total 2)
Complete the following number of units: 2

MUS 121 - Voice	1
MUS 126 - Guitar	1
MUS 160 - Symphonic Band	1
MUS 166 - Orchestra	1
MUS 180 - Chamber Music	1
MUS 181 - Master Chorale	1
MUSC 170A - Marching Marauders	1
MUSC 173 - Jazz Ensemble B (Beginning)	1
MUSC 220A - Popular Music Ensemble (Test Flight)	1
MUSC 273 - Jazz Ensemble A (Advanced)	1

Recommended Pathway
Composition & Songwriting Emphasis

Fall 1	**Units**
MUS 120 - Music Theory I	3
MUS 153A - Musicianship I	1
MUS 131 - Piano I	1
MUSC 100 - Introduction to Music Technology	3
Applied Music Performance (MUS 292)	0.5
Ensemble (see list)	1
Applied Music (see list)	0.5
AVC GE Area 1A (ENGL C1000)	4
	Total 14
Spring 1	
MUS 151 - Music Theory II	3
MUS 153B - Musicianship II	1
MUS 132 - Piano II	1
MUSC 104 - The Music Industry	3
Applied Music Performance (MUS 292)	0.5
Ensemble (see list)	1
Applied Music (see list)	0.5
AVC GE Area 1B (COMM C1000)	3
AVC GE Area 2 (MATH 110)	3
	Total 16
Summer	
MUS 231 - Piano III	1
	Total 1
Fall 2	
MUS 251A - Music Theory III	3
MUS 253A - Musicianship III	1
Applied Music Performance (MUS 292)	0.5
Ensemble (see list)	1
Applied Music (see list)	0.5
AVC GE Area 4 (PSYC C1000)	3
AVC GE Area 5 (PSCI 101)	4
General Elective	2
	Total 15
Spring 2	
Required Course - Choose one (see list)	3
Applied Music Performance (MUS 292)	0.5
Ensemble (see list)	1
Applied Music (see list)	0.5
Focus (see list)	3
AVC GE Area 6 (ENGL257)	3
General Elective	3
	Total 14
	Degree Total 60

Recommended Pathway
Technology, Production, & Management Emphasis

Fall 1	**Units**
MUS 120 - Music Theory I	3
MUS 153A - Musicianship I	1
MUS 131 - Piano I	1
MUSC 100 - Introduction to Music Technology	3
MUSC 104 - The Music Industry	3
Applied Music Performance (MUS 292)	0.5
AVC GE Area 1A (ENGL C1000)	4
	Total 15.5
Spring 1	
MUS 151 - Music Theory II	3
MUS 153B - Musicianship II	1
MUS 132 - Piano II	1
MUSC 134 - Music Production I	3
AVC GE Area 1B (COMM C1000)	3
AVC GE Area 2 (MATH 110)	3
Applied Music Performance (MUS 292)	0.5
	Total 14.5
Summer	
MUS 231 - Piano III	1
	Total 1
Fall 2	
MUSC 233 - Music Production II	3
Performance (see list)	1
AVC GE Area 4 (PSYC C1000)	3
AVC GE Area 5 (PSCI 101)	4
General Elective	3
Applied Music Performance (MUS 292)	0.5
	Total 14.5
Spring 2	
Required Course - Choose one (see list)	3
MUSC 141 - Concert Management	2
MUSC 143A - Live Sound	2
Performance (see list)	1
AVC GE Area 6 (ENGL 257)	3
General Elective	3
Applied Music Performance (MUS 292)	0.5
	Total 14.5
	Degree Total 60

Recommended Pathway Performance & Education Emphasis	
Fall 1	**Units**
MUS 120 - Music Theory I	3
MUS 153A - Musicianship I	1
MUS 131 - Piano I	1
MUSC 100 - Introduction to Music Technology	3
Applied Music Performance (MUS 292)	0.5
Ensemble (see list)	1
Applied Music (see list)	0.5
AVC GE Area 1A (ENGL C1000)	4
	Total 14
Spring 1	
MUS 151 - Music Theory II	3
MUS 153B - Musicianship II	1
MUS 132 - Piano II	1
MUSC 104 - The Music Industry	3
Applied Music Performance (MUS 292)	0.5
Ensemble (see list)	1
Applied Music (see list)	0.5
AVC GE Area 1B (COMM C1000)	3
AVC GE Area 2 (MATH 110)	3
	Total 16
Summer	
MUS 231 - Piano III	1
	Total 1
Fall 2	
MUS 251A - Music Theory III	3
MUS 253A - Musicianship III	1
MUSC 124A - Improvisation	1
Applied Music Performance (MUS 292)	0.5
Ensemble (see list)	1
Applied Music (see list)	0.5
AVC GE Area 4 (PSYC C1000)	3
AVC GE Area 5 (PSCI 101)	4
	Total 14
Spring 2	
Required Course - Choose one (see list)	3
MUSC 124A - Improvisation	1
Applied Music Performance (MUS 292)	0.5
Ensemble (see list)	1
Applied Music (see list)	0.5
AVC GE Area 6 (ENGL 257)	3
General Elective	3
General Elective	3
	Total 15
	Degree Total 60

Music Courses

MUS 101 MUSIC APPRECIATION

3 Units

Total Course Lecture Hours 54

A survey of art music in western civilization. Topics studied include but are not limited to elements of music, basic musical forms, music periods, styles, and the role of music and musicians in Western Art Music. (C-ID: MUS 100) (UC, CSU, AVC)

MUS 101H MUSIC APPRECIATION HONORS

3 Units

Total Course Lecture Hours 54

This honors course, intended for students in the Honors Transfer Program, is a survey of art music in western civilization. Topics studied include but are not limited to elements of music, basic musical forms, music periods, styles, and the role of music and musicians in Western Art Music. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. (UC, CSU, AVC) Note: Students may take either MUS 101 Music Appreciation or MUS 101H Music Appreciation Honors. Duplicate credit will not be awarded.

MUS 105 WORLD MUSIC

3 Units

Total Course Lecture Hours 54

A survey of the world's diverse musical languages. Topics studied include many geographic regions, characteristics of many musical cultures, and the profound impact that political and sociological systems have upon culture. (UC, CSU, AVC)

MUS 106 AFRICAN AMERICAN MUSIC

3 Units

Total Course Lecture Hours 54

This course focuses on the history of African American music and provides students an overview of the African American experience in the United States by critically exploring the social, cultural, political, and economic history through music. Students will critically analyze the ways that African American cultural identities and music challenge, complicate, and reinvent the musical traditions of dominant American culture. (CSU, AVC)

MUS 110 MUSIC OF LATIN AMERICA

3 Units

Total Course Lecture Hours 54

This course focuses on the music of Latin America, highlighting the most important musical influences in the region. We will study some genres of popular music that are part of the cultural heritage and traditions of the Americas. We will also study the most outstanding classical music composers. This course will promote the learning, recognition and listening of this music by countries and will allow one to have a better understanding of the great contribution and cultural richness of these peoples in the history of music. It will include readings, class analysis, and various assignments that will be delivered weekly. (CSU, AVC)

MUS 111 FUNDAMENTALS OF MUSIC

3 Units

Total Course Lecture Hours 54

An introduction to the notation and fundamental theoretical elements of Western Art Music as demonstrated through a variety of styles. This course covers pitch, rhythm, basic formal elements, and fundamental musicianship. Development of skills in handwritten notation is expected. In addition, interpreting written and aural music and critiquing different musical genres with regard to its broad historical and cultural context will be covered. (C-ID: MUS 110) (UC, CSU, AVC)

MUS 120 MUSIC THEORY I
3 Units
Total Course Lecture Hours 54
Co-requisite: *MUS 153A*
Through guided composition and analysis, Music Theory I incorporates and develops the concepts covered in Fundamentals of Music. Complete cadential formulae, phrase structure analysis, chord function theory, and four-part voice-leading principles will be covered. This class is designed for music majors. (CSU, AVC)

MUS 121 VOICE
1 Unit
Total Course Lab Hours 54
This course is designed to introduce and develop the art and technique of solo singing. Students study and perform contemporary popular songs, selections from the classical tradition, non-Western music, American folk music and spiritual songs. Designed for persons with both no vocal or musical experience and those wanting to improve their singing. (UC, CSU, AVC) (R3)

MUS 126 GUITAR
1 Unit
Total Course Lab Hours 54
This course provides an introduction to the principles of playing classical guitar and reading music as applied to the guitar. Designed for persons with no guitar or musical experience. (UC, CSU, AVC) (R3)

MUS 131 PIANO I
1 Unit
Total Course Lab Hours 54
Designed for individuals with no keyboard or musical experience, this course provides an introduction to the principles of playing the piano and reading music. It also introduces principles of music theory and expression essential to all musical styles, from the earliest of cultures to the music of today. (UC, CSU, AVC)

MUS 132 PIANO II
1 Unit
Total Course Lab Hours 54
Prerequisite: *Completion of MUS 131.*
A continuation of piano skills begun in MUS 131. (UC, CSU, AVC)

MUS 151 MUSIC THEORY II
3 Units
Total Course Lecture Hours 54
Prerequisite: *MUS 120*
Co-requisite: *MUS 153B*
A study of chord construction, chord progressions, harmonic phrase structures, and melodies and four-part writing. Some beginning orchestration and composition of simple pieces within the constraints of forms being studied. (UC, CSU, AVC) (C-ID: MUS 130)

MUS 153A MUSICIANSHIP I
1 Unit
Total Course Lab Hours 54
An introductory study of the aural aspect of music theory. Students develop the ability to identify and transcribe rhythms, intervals, chords, scales, and chord progressions. Students will also learn beginning keyboard skills and to sing simple melodies at sight. (C-ID: MUS 125) (UC, CSU AVC)

MUS 153B MUSICIANSHIP II
1 Unit
Total Course Lab Hours 54
Prerequisite: *Completion of MUS 153A.*
A study of the aural aspect of music theory. Students develop the ability to identify and transcribe rhythms, intervals, chords, scales, and chord progressions. Students will also learn to sing elementary melodies at sight. (C-ID: MUS 135) (UC, CSU, AVC)

MUS 160 SYMPHONIC BAND
1 Unit
Total Course Lab Hours 54
Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least a high school level performance experience in the course medium.*
A course designed to rehearse and perform standard band repertoire, chosen by the instructor and changing every semester. Historical and sociological context of the music being studied as well as correct performance of notes and rhythms will be explained in each rehearsal. Each semester, the Band prepares music for public performance. Students take part in weekly rehearsals in which they learn how their own parts relate to other harmonies and rhythms occurring simultaneously. The instructor paces each rehearsal such that the performance at the end of the semester is of as high an artistic and technical standard as possible. This course may be taken by all members of the AVC community who wish to improve their instrumental technique and musicianship through participation. (C-ID: MUS 180) (UC, CSU, AVC) (R3)

MUS 165 GUITAR ENSEMBLE
1 Unit
Total Course Lab Hours 54
Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least high school level performance experience in the course medium.*
A course designed to rehearse and perform guitar ensemble repertoire, chosen by the instructor and changing every semester. Historical and sociological context of the music being studied as well as correct performance of notes and rhythms will be explained in each rehearsal. Each semester, the guitar ensemble prepares music for public performance. Students take part in weekly rehearsals in which they learn how their own parts relate to other harmonies and rhythms occurring simultaneously. The instructor paces each rehearsal such that the performance at the end of the semester is of as high an artistic and technical standard as possible. (UC, CSU, AVC) (R3)

MUS 166 ORCHESTRA

1 Unit

Total Course Lab Hours 54

Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least high school level performance experience in the course medium and audition information will be delivered to the student on or before the first class session.*

Students study and perform orchestral repertoire from many traditions, including the European masterworks of the last five centuries, popular selections, American folk music, and world music. Students receive ensemble performance experience, training in instrumental technique, and music reading, and they gain a practical understanding of the diversity of musical styles. Students are required to obtain approved performance attire for public performances. (C-ID: MUS 180) (UC, CSU, AVC) (R3)

MUS 180 CHAMBER MUSIC

1 Unit

Total Course Lab Hours 54

Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least a high school level performance experience in the course medium.*

Designed for musicians of various levels, this course focuses on repertoire from different styles and periods, emphasizing collaboration, advanced techniques, and performance skills. Students will participate in rehearsals, develop ensemble dynamics, and perform in both informal and formal settings, gaining practical experience and a deeper appreciation of small-ensemble, chamber music. (CSU, AVC) (R3)

MUS 181 MASTER CHORALE

1 Unit

Total Course Lab Hours 54

Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least high school level performance experience in the course medium.*

Concert Choir performs madrigals and other music written for small ensemble. Students study and perform choral music, including masterworks from the European tradition of the last five centuries, American music, and music from other folk traditions. In addition to receiving ensemble performance experience and training in vocal technique, students gain a practical understanding of the diversity of musical styles. Students are required to obtain approved performance attire for public performances. (C-ID: MUS 180) (UC, CSU, AVC) (R3)

MUS 231 PIANO III

1 Unit

Total Course Lab Hours 54

Prerequisite: *Completion of MUS 132.*

This course is a continuation of piano skills begun in MUS 132. (UC, CSU, AVC)

MUS 251A MUSIC THEORY III

3 Units

Total Course Lecture Hours 54

Pre-requisite: *Completion of MUS 151.*

Co-requisite: *MUS 253A*

A continuation of the study of traditional voice leading in four-part choral writing, traditional methods of writing harmonic progressions, a basic tour of historical style periods, traditional usages of the dominant seventh, diminished seventh, and half-diminished seventh chords, basic modulation techniques, study of the function of non-dominant seventh chords, study of secondary dominant and leading tone chords, and review of basic forms. Appropriate for any member of the AVC community that desires a strong foundation in common practice music theory. (C-ID: MUS 140) (UC, CSU, AVC)

MUS 251B MUSIC THEORY IV

3 Units

Total Course Lecture Hours 54

Corequisite: *MUS 253B*

Prerequisite: *Completion of MUS 251A*

A study of advanced methods of writing harmonic progressions, a basic tour of the late nineteenth and twentieth century stylistic periods, usage of borrowed and altered chords, enharmonic modulation techniques, study of new scales and sonorities associated with post-romanticism, impressionism, atonality, serialism and chance music. Appropriate for any member of the AVC community that desires a strong foundation in common practice music theory. (C-ID: MUS 150) (UC, CSU, AVC)

MUS 253A MUSICIANSHIP III

1 Unit

Total Course Lab Hours 54

Advisory: *concurrent enrollment in MUS 251A.*

Prerequisite: *Completion of MUS 153B.*

A continuation of the study of the aural aspect of music theory begun in Music 153. Students continue to develop the ability to identify and transcribe rhythms, intervals, chords, scales, and chord progressions. Students will also learn to sing intermediate melodies at sight. (C-ID: MUS 145) (UC, CSU, AVC)

MUS 253B MUSICIANSHIP IV

1 Unit

Total Course Lab Hours 54

Prerequisite: *Completion of MUS 253A.*

A continuation of the study of the aural aspect of music theory begun in Music 253A. Students continue to develop the ability to identify and transcribe rhythms, intervals, chords, scales, and chord progressions. Students will also learn to sing advanced melodies at sight. (C-ID: MUS 155) (UC, CSU, AVC)

MUS 291A PRIVATE LESSONS: VOICE, GUITAR, AND PIANO

0.5 Units

Total Course Lab Hours 27

Limitation on Enrollment: *: Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least high school level performance experience in the course medium.*

Corequisite: *Concurrent enrollment in MUS 292 and MUS 181.*

This course provides advanced individual instruction in voice, guitar, or piano. (CSU, AVC) (R3)

MUS 291B PRIVATE LESSONS: WINDS, BRASS, AND PERCUSSION

0.5 Units

Total Course Lab Hours 27

Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least high school level performance experience in the course medium.*

Corequisite: *Concurrent enrollment in MUS 292 and MUS 160.*

This course provides advanced individual instruction in winds, brass, or percussion. (CSU, AVC) (R3)

MUS 291C PRIVATE LESSONS: BOWED STRINGS

0.5 Units

Total Course Lab Hours 27

Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least high school level performance experience in the course medium.*

Corequisite: *Concurrent enrollment in MUS 292 and MUS 166.*

This course provides advanced individual instruction in violin, viola, cello, or doublebass. (CSU, AVC) (R3)

MUS 291D PRIVATE LESSONS: POPULAR MUSIC, COMPOSITION, AND NON-TRANSFER

0.5 Units

Total Course Lab Hours 27

Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least high school level performance experience in the course medium.*

Corequisite: *Concurrent enrollment in MUS 292 and one of MUS 160, MUS 166, MUS 181, MUSC 170A, MUSC 173, MUSC 220A, or MUSC 273.*

This course provides advanced individual instruction in popular music performance, composition, and for students not intending to transfer. (CSU, AVC) (R3)

MUS 292 APPLIED MUSIC PERFORMANCE

0.5 unit

Total Course Lab Hours 27

Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least high school level performance experience in the course medium.*

This course provides advanced individual instruction in each student's performing medium (an instrument or voice) in a masterclass setting. (MUS 291+ MUS 292 = C-ID: MUS 160) (UC, CSU, AVC) (R3)

Department Description

The Commercial Music Program offers two levels of certification and an AA degree, all designed to prepare students for careers as instrumentalists/vocalists, songwriters, live sound & studio recording engineers, music producers, and/or artist agents. Students are taught various contemporary music styles/histories and latest music industry developments. Students are given opportunities to perform and work technical positions at live concert events. As an Avid Technology Learning Partner, opportunities for students to earn official Pro Tools and Sibelius User certifications are also offered.

Program Learning Outcomes

Commercial Music AA

1. Demonstrate an advanced understanding of and skill level in the use of music technology.
2. Demonstrate the ability to perform through participation in vocal and/or instrumental groups.
3. Examine and demonstrate aural analysis, technical skills, structural, and aesthetic features needed to produce quality songwriting.
4. Demonstrate the ability to analyze and critically evaluate a live musical performance.
5. Compare, contrast, and assess music industry professions.

Commercial Music: Level I Certificate

1. Demonstrate the ability to categorize, identify, and analyze significant genres of music.
2. Demonstrate a basic understanding of and skill level in the use of music technology and sound engineering.
3. Demonstrate the ability to analyze and critically evaluate a live musical performance.
4. Compare, contrast, and assess music industry professions.
5. Demonstrate skills in aural analysis and notation, and performance.

Commercial Music: Level II Certificate

1. Demonstrate an advanced understanding of and skill level in the use of music technology.
2. Demonstrate the ability to perform through participation in vocal and/or instrumental groups.
3. Examine and demonstrate aural analysis, technical skills, structural, and aesthetic features needed to produce quality songwriting.
4. Demonstrate the ability to analyze and critically evaluate a live musical performance.

Certificate Programs

Commercial Music: Level I Certificate

The Commercial Music program is designed to prepare students for careers to perform as an instrumentalist and vocalists, to write (songwriter) and record music (producer/sound engineer/audio engineer), to develop an appreciation of various contemporary music styles, and to understand the latest developments in the ever-changing music industry. *Students may apply up to 1 unit of MUSC 199 towards the Level I Certificate Program Electives, up to 3 units of MUSC 199 towards the Level II Certificate Program Electives, and up to 3 units of MUSC 199 towards the MUSC AA Degree Program Electives.

Program Requirements
Music Commercial: Level I Certificate (Total 18)
Complete all of the following

Required Courses (Total 16)	**Units**
Complete the following number of units: 16	
Required Courses (Total 13)	
Complete all of the following	
MUS 120 - Music Theory I	3
MUSC 100 - Introduction to Music Technology	3
MUSC 104 - The Music Industry	3
MUSC 141 - Concert Management	2
MUSC 143A - Live Sound	2
Required Courses (Total 3)	
Complete the following number of units: 3	
MUSC 102 - History of Jazz	3
MUSC 103 - History of Rock 'n Roll	3
MUSC 107 - History of Women in Rock Music	3
MUSC 108 - History of Hip Hop	3
MUSC 109 - History of Motown Music	3

Program Electives (Total 2)	
Complete the following number of units: 2	
FTV 241 - Beginning Audio Production	3
MUSC 124A - Jazz Improvisation	1
MUSC 134 - Music Production I	3
MUSC 136 - Media Scoring	3
MUSC 142 - Musical Theatre Workshop	1
MUSC 150C - Music Notation & Composition: Sibelius Fundamentals	3
MUSC 173 - Jazz Ensemble B (Beginning)	1
MUSC 199 - Work Experience Education	1-8
MUSC 220A - Popular Music Ensemble (Test Flight)	1
MUSC 233 - Music Production II	3
MUSC 273 - Jazz Ensemble A (Advanced)	1
MUS 291D - Private Lessons: Popular Music, Composition, and Non-Transfer	0.5
MUS 292 - Applied Music Performance	0.5

Recommended Pathway

First Semester	**Units**
MUSC 104 - The Music Industry	3
MUS 120 - Music Theory I	3
MUSC 100 - Introduction to Music Technology	3
Required Courses (MUSC 102 ***OR*** MUSC 103 ***OR*** MUSC 107 ***OR*** MUSC 108 ***OR*** MUSC 109)	3
	Total 12
Second Semester	
MUSC 143A - Live Sound	2
MUSC 141 - Concert Management	2
Program Electives (MUSC 220A)	1
	Total 5
	Certificate Total 17

Commercial Music: Level II Certificate

The Commercial Music program is designed to prepare students for careers to perform as an instrumentalist and vocalists, to write (songwriter) and record music (producer/sound engineer/audio engineer), to develop an appreciation of various contemporary music styles, and to understand the latest developments in the ever-changing music industry. *Students may apply up to 1 unit of MUSC 199 towards the Level I Certificate Program Electives, up to 3 units of MUSC 199 towards the Level II Certificate Program Electives, and up to 3 units of MUSC 199 towards the MUSC AA Degree Program Electives.

Program Requirements
Commercial Music: Level II Certificate (Total 26)
Complete the following
Required Courses (Total 22)
Complete all of the following

Required Courses (Total 19)	**Units**
Complete all of the following	
MUS 120 - Music Theory I	3
MUSC 100 - Introduction to Music Technology	3
MUSC 104 - The Music Industry	3
MUSC 113 - Songwriting	3
MUSC 134 - Music Production I	3
MUSC 141 - Concert Management	2
MUSC 143A - Live Sound	2

Required Courses (Total 3)	
Complete the following number of units: 3	
MUSC 102 - History of Jazz	3
MUSC 103 - History of Rock 'n Roll	3
MUSC 107 - History of Women in Rock Music	3
MUSC 108 - History of Hip Hop	3
MUSC 109 - History of Motown Music	3

Program Electives (Total 4)	
Complete the following number of units: 4	
FTV 241 - Beginning Audio Production	3
MUSC 124A - Jazz Improvisation	1
MUSC 136 - Media Scoring	3
MUSC 142 - Musical Theatre Workshop	1
MUSC 150C - Music Notation & Composition: Sibelius Fundamentals	3
MUSC 173 - Jazz Ensemble B (Beginning)	1
MUSC 199 - Work Experience Education	1-8
MUSC 220A - Popular Music Ensemble (Test Flight)	1
MUSC 233 - Music Production II	3
MUSC 273 - Jazz Ensemble A (Advanced)	1
MUS 291D - Private Lessons: Popular Music, Composition, and Non-Transfer	0.5
MUS 292 - Applied Music Performance	0.5

Recommended Pathway

First Semester	**Units**
Required Courses (MUSC 102 ***OR*** MUSC 103 ***OR*** MUSC 107 ***OR*** MUSC 108 ***OR*** MUSC 109)	3
MUSC 104 - The Music Industry	3
MUS 120 - Music Theory I	3
MUSC 100 - Introduction to Music Technology	3
Program Electives (MUSC 220A)	1
	Total 13

Second Semester	
MUSC 113 - Songwriting	3
MUSC 134 - Music Production I	3
MUSC 143A - Live Sound	2
MUSC 141 - Concert Management	2
Program Electives (MUSC 220A)	1
	Total 11
	Certificate Total 24

Associate Degree

Commercial Music AA

The Associate in Arts in Commercial Music is designed to prepare students for careers to perform as instrumentalists and vocalists, to write music (career as a songwriter), record music (career as a producer/sound engineer/audio engineer), develop skills to become an artist agent, to develop an appreciation of various contemporary music styles, and to understand the latest developments in the ever-changing music industry.

Program Requirements
Commercial Music AA (Total 26)
Complete all of the following

Required Course (Total 3)	**Units**
Complete the following number of units: 3	
MUSC 102 - History of Jazz	3
MUSC 103 - History of Rock 'n Roll	3
MUSC 107 - History of Women in Rock Music	3
MUSC 108 - History of Hip Hop	3
MUSC 109 - History of Motown Music	3

Required Courses (Total 19)	
Complete all of the following	
MUS 120 - Music Theory I	3
MUSC 100 - Introduction to Music Technology	3
MUSC 104 - The Music Industry	3
MUSC 113 - Songwriting	3
MUSC 134 - Music Production I	3
MUSC 141 - Concert Management	2
MUSC 143A - Live Sound	2

Program Electives (Total 4)	
Complete the following number of units: 4	
FTV 241 - Beginning Audio Production	3
MUS 291D - Private Lessons: Popular Music, Composition, and Non-Transfer	0.5
MUSC 124A - Jazz Improvisation	1
MUSC 136 - Media Scoring	3
MUSC 142 - Musical Theatre Workshop	1
MUSC 150C - Music Notation & Composition: Sibelius Fundamentals	3
MUSC 173 - Jazz Ensemble B (Beginning)	1
MUSC 199 - Work Experience Education	1-3
MUSC 220A - Popular Music Ensemble (Test Flight)	2
MUSC 233 - Music Production II	3
MUSC 273 - Jazz Ensemble A (Advanced)	1

Recommended Pathway	
First Semester	**Units**
MUS 120 - Music Theory I	3
MUSC 100 - Introduction to Music Technology	3
Program Electives (MUS 291D)	0.5
Program Electives (MUSC 220A)	2
AVC GE Area 1A (ENGL C1000)	4
AVC GE Area 1B	3
	Total 15.5
Second Semester	
MUSC 104 - The Music Industry	3
MUSC 134 - Music Production I	3
MUSC 141 - Concert Management	2
Program Electives (MUS 291D)	0.5
AVC GE Area 6	3
AVC GE Area 2	3
General Elective	1
	Total 15.5
Third Semester	
MUSC 143A - Live Sound	2
Program Electives (MUS 291D)	0.5
AVC GE Area 5	3
General Elective	3
General Elective	3
General Elective	3
	Total 14.5
Fourth Term	
MUSC 113 - Songwriting	3
Required Course (see list)	3
Program Electives (MUS 291D)	0.5
AVC GE Area 4	3
AVC GE Area 3	3
General Elective	2
	Total 14.5
	Degree Total 60

Commercial Music Courses

MUSC 100 INTRODUCTION TO MUSIC TECHNOLOGY

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of or concurrent enrollment in MUS 131.*

This introductory course examines the terminology, equipment, techniques, and concepts related to music technology. The course will survey the principles and practices of sound, MIDI, synthesis, notation, and audio recording utilizing hardware and software platforms. (UC, CSU, AVC)

MUSC 102 HISTORY OF JAZZ

3 Units

Total Course Lecture Hours 54

This course focuses on the works and contributions of musicians and performers to the general history and evolution of jazz music. The course will survey the historical and cultural complexities that influence the jazz music industry. After a brief survey of European and African influences, the time periods studied will begin in the mid-nineteen-twenties and emphasize jazz musicians and performers through the early twenty-first century. Students may be required to attend live musical performances during the course of the semester. (UC, CSU, AVC)

MUSC 103 HISTORY OF ROCK 'N ROLL

3 Units

Total Course Lecture Hours 54

This course focuses on the works and contributions of musicians and performers to the general history and evolution of rock music. The course will survey the historical and cultural complexities that influence the rock music industry. The time periods studied begin in the mid-nineteen-forties and emphasize rock musicians and performers through the early twenty-first century. Students will be required to attend live musical performances during the course of the semester. (UC, CSU, AVC)

MUSC 104 THE MUSIC INDUSTRY

3 Units

Total Course Lecture Hours 54

A class to acquaint students with the various professions in the music industry. Music professions which the course will examine include performing, arranging/composition/publishing, recording, music production, music for radio/television, music criticism, music store employment, music store management and ownership, musician's union employment and regulations, artist representatives, agents, and managers, and other music professions as they arise. Professionals from the industry will visit class, and visits will be made to selected businesses/studios. (C-ID: CMUS 140 X) (CSU, AVC)

MUSC 107 HISTORY OF WOMEN IN ROCK MUSIC

3 Units

Total Course Lecture Hours 54

This course focuses on the works and contributions of women musicians and performers to the general history and evolution of rock music. The course will survey the historical and cultural complexities that influenced the rock music industry and the impact of the industry's expectations for women in rock music and how those expectations influenced their works. The time periods studied begin in the mid 1940's and emphasize female musicians and performers through the end of the twentieth century examining women's roles in the history of rock music. (UC, CSU, AVC)

MUSC 108 HISTORY OF HIP HOP
3 Units
Total Course Lecture Hours 54
This course is an introduction to the evolution of the hip hop industry, music, and culture. It will survey the historical and cultural complexities that influence the hip hop music industry. The time period focused upon is between the nineteen-seventies and early twenty-first century. The topics of sexism and racism will be covered within the historical situations that are presented, and as they relate to artists who are African-American, Hispanic, and Women. (UC, CSU, AVC)

MUSC 109 HISTORY OF MOTOWN MUSIC
3 Units
Total Course Lecture Hours 54
This course is a survey of the music of the Motown Records Corporation. This course focuses on the music and societal factors that gave rise to the musical achievements by this African American owned record label and the significant role in the racial integration of popular music and crossover success. This course provides an in-depth examination of the music, the key artists including African American women, the production style, the cultural issues of the 1960s, the Civil Rights Movement, racism, segregation, and the influential impact on the music industry, from the founding of the record label in 1959 to the 1970s. (UC, CSU, AVC)

MUSC 113 SONGWRITING
3 Units
Total Course Lecture Hours 54
Prerequisite: *MUS 120*
A workshop-formatted course on the elements of writing songs. The course examines the popular song and the technical skills needed to produce quality student writing. Emphasis is on the structural and aesthetic features of song forms as well as the evaluation of such, including the standards of professional songwriter's screening services, and the expectations of artist representatives in the music industry. Students will listen to and learn to analyze examples of current popular songs, as well as produce student songs for a critically adept audience. (CSU, AVC)

MUSC 122 STAGE VOICE
1 Unit
Total Course Lab Hours 54
Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session.*
This course is designed to develop singing techniques on stage with and without a microphone. Students will study and perform various contemporary music styles (pop, country western, R&B, and rock). (CSU, AVC) (R3)

MUSC 124A JAZZ IMPROVISATION
1 Unit
Total Course Lab Hours 54
Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least high school level performance experience in the course medium.*
Fundamentals of improvisation for vocalists and instrumentalists. Application of scales and their relationship to chords. Modes, jazz rhythmic phrasing, blues progressions and cycle of dominant seventh chords. (C-ID: MUS 185) (CSU, AVC) (R3)

MUSC 134 MUSIC PRODUCTION I
3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *MUSC 100*
Continuation of MUSC 100. Designed to improve student knowledge and ability in the use of MIDI techniques, sampling, and studio recording production techniques. Music Production I will further the basics achieved in Introduction to Music Technology, with more real-time, creative projects as students continue learning techniques of MIDI sequencing, sampling, and hard disk recording. (UC, CSU, AVC)

MUSC 136 MEDIA SCORING
3 Units
Total Course Lecture Hours 54
Prerequisite: *MUS 120*
A class focused on the composition of music and sound for film, video games, and other media. Core aspects of the processes involved with recording and production of sound for different media types are covered. (CSU, AVC)

MUSC 141 CONCERT MANAGEMENT
2 Units
Total Course Lecture Hours 27
Total Course Lab Hours 27
A class designed to teach students to evaluate and critique music performances, addressing safety and preventive measures that revolve around the current climate of concert entertainment. Public performances, including weekends as scheduled by the instructor, are required for live observation. The study of documented films and articles on music concert tragedies and accidents where injury or loss of life occurred or could have occurred is required in order to reach conclusions based on safety protocol and prevention discussed in the classroom and within documented national studies on concert attendance and management. (CSU, AVC)

MUSC 142 MUSICAL THEATRE WORKSHOP

1 Unit

Total Course Lab Hours 54

Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least high school level performance experience in the course medium.*

Designed to provide instruction and experience in musical theater, this course allows students to rehearse and perform scenes from popular and classical works. Students will receive training in vocal technique, musical style, and stage presence. (UC, CSU, AVC) (R3)

MUSC 143A LIVE SOUND

2 Units

Total Course Lecture Hours 27

Total Course Lab Hours 27

Prerequisite: *MUSC 100.*

This course familiarizes students with different possibilities for analog sound reinforcement in different performance situations. The course will survey elements used in live sound reinforcement as well as modern studio recording. Introduction to modern analog sound systems, stage layout, and performance techniques will also be presented. (CSU, AVC)

MUSC 150C MUSIC NOTATION & COMPOSITION: SIBELIUS FUNDAMENTALS

3 Units

Total Course Lecture Hours 54

Prerequisite: *MUS 120 and MUS 131*

In this course, students will learn Sibelius (music notation software) through the Sibelius Fundamentals curriculum in preparation to take the AVID Sibelius User Certification exam. The curriculum will be taught through the creative outlet of music composition and will examine compositional techniques and their realization in Sibelius. (CSU, AVC)

MUSC 170A MARCHING MARAUDERS

1 Unit

Total Course Lab Hours 54

Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least high school level performance experience in the course medium.*

A course designed to facilitate the rehearsal and performance of marching ensemble literature suitable for field, parade, and competition. (C-ID: MUS 185) (CSU, AVC) (R3)

MUSC 173 JAZZ ENSEMBLE B (BEGINNING)

1 Unit

Total Course Lab Hours 54

Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least a high school level performance experience in the course medium.*

A course designed to rehearse and perform jazz ensemble repertoire, chosen by the instructor and changing every semester. Historical and sociological context of the music being studied as well as correct performance of notes and rhythms will be explained in each rehearsal. Each semester, the beginning jazz ensemble prepares music for public performance. Students take part in weekly rehearsals in which they learn how their own parts relate to other harmonies and rhythms occurring simultaneously. The instructor paces each rehearsal such that the performance at the end of the semester is of as high an artistic and technical standard as possible. (C-ID: MUS 180) (UC, CSU, AVC) (R3)

MUSC 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to two units per semester. Students may earn up to a total of eight (8) semester credit hours. (CSU, AVC) (R1)

MUSC 220A POPULAR MUSIC ENSEMBLE (TEST FLIGHT)

1 Unit

Total Course Lab Hours 54

Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least a high school level performance experience in the course medium.*

A performance class for singers and instrumentalists to present concerts of popular music repertoire. (C-ID: MUS 185) (CSU, AVC) (R3)

MUSC 233 MUSIC PRODUCTION II

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of MUSC 134.*
Continuation of Studio Music Production series. Techniques will include enhanced MIDI sequencing, sampling and hard disc recording. Students will learn the concept of using the computer as a recording and editing tool. Emphasis will be made on editing with an introduction to enhanced recording techniques and recording theory. (UC, CSU, AVC)

MUSC 273 JAZZ ENSEMBLE A (ADVANCED)

1 Unit
Total Course Lab Hours 54
Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least a high school level performance experience in the course medium.*
A course designed to rehearse and perform more advanced jazz ensemble repertoire, chosen by the instructor and changing every semester. Historical and sociological context of the music being studied as well as correct performance of notes and rhythms will be explained in each rehearsal. Each semester, the intermediate jazz ensemble prepares music for public performance. Students take part in weekly rehearsals in which they learn how their own parts relate to other harmonies and rhythms occurring simultaneously. The instructor paces each rehearsal such that the performance at the end of the semester is of as high an artistic and technical standard as possible. (C-ID: MUS 180) (UC, CSU, AVC) (R3)

Commercial Music Non Credit Courses

MUSC 970 MARCHING ENSEMBLE (NON-CREDIT)

0 Units
Total Course Lab Hours 54
Limitation on Enrollment: *Audition required; students should enroll in the course and audition information will be delivered to the student on or before the first class session. Students should have at least high school level performance experience in the course medium.*
A course designed to facilitate the rehearsal and performance of marching ensemble literature suitable for field, parade, and competition. This course is designed for members who do not need course credit. (R unlimited)

Department Description

Associate Degree Nursing prepares students to become Registered Nurses. The program follows the roles and responsibilities of the professional entry level registered nurse as defined in the State's nursing practice act. Graduates are prepared to take the National Council Licensure Exam for Registered Nurses. This exam is required by the California Board of Registered Nursing and the boards of nursing of other states and U.S. Territories for licensure as a registered nurse.

Students wishing to participate in the Registered Nursing program are required to apply to the program. For more information regarding requirements, procedures, and governance of the program, please expand the are below.

DEGREE INFORMATION AND REQUIREMENTS:

Prerequisites For Generic Applicants:

Students who enroll in the associate degree nursing program must meet the following prerequisites. The prerequisites apply to all students, even those who have enrollment packets on file with the Nursing Department office.

1. Graduation from a United States high school or approved equivalent.
2. Freedom from communicable disease as verified by a licensed physician or certified nurse practitioner. Health conditions that could impair the student's ability to perform the essential functions of a nursing student safely and competently or that would endanger a patient will be examined on a case-by-case basis. Students should not have the physical examination until given the program forms by the Nursing Department office, as requirements may change from year to year. Final permission to enroll in the nursing program will be dependent on the results of the physical examination.
3. Background screening is required by the health care facilities in which students have clinical practice. If the background screen reveals a criminal background the student will not be allowed to enroll in the nursing program. The health care facilities reserve the right to decline any student who has a criminal background. As there are only one mental health unit and one pediatric unit in the Antelope Valley, a student who does not meet the background screening requirements cannot enroll in the associate degree nursing program.
4. Completion of **(21 units):**

Course	Units
BIOL 201, General Human Anatomy	4
BIOL 202, General Human Physiology	4
BIOL 202, General Human Physiology	4
BIOL 204, General Microbiology	5
ENGL C1000, Academic Reading and Writing	4
STAT C1000, Introduction to Statistics	4
	Total 21

NOTE: The prerequisite courses must be completed with a grade of "C" or better and grades must be posted on the official college transcript when the enrollment packet is submitted. Sciences must have a lab component.

5. Minimum GPA of 2.5 for all college classes taken for credit.
6. Minimum GPA of 2.5 for BIOL 201, 202 and 204.
7. Minimum GPA of 2.5 for STAT C1000 and ENGL C1000.
8. No more than one repeated science course of the three required.

ENROLLMENT PROCEDURES FOR GENERIC APPLICANTS:

All items in the enrollment process must be submitted together.

- The application process has moved online. No paper applications will be accepted.
- Submit a current Educational Planning and Evaluation Form that has been completed by an AVC counselor within the last six months. The counselor will evaluate progress toward graduation requirements and courses from other colleges for equivalency to AVC courses. Transcripts from all colleges must be on file in admissions and records prior to counseling appointment. All pre-requisite courses must be completed. All substitutions/equivalencies must be approved. Any courses noted as in progress or pending approval will disqualify applications. Contact the Counseling Department for an appointment or schedule an appointment online.
- High School Graduation or GED Official Transcripts showing graduation/completion date is a requirement for this program unless students hold a college degree (Associates or higher) which can be used in lieu of. However, it must be posted on official college transcripts. No certificates of completion or diplomas will be accepted. Transcripts must be sent electronically from the institution directly to healthsciences@avc.edu from the graduating institution. No transcripts will be accepted outside the application window. No transcripts will be accepted directly from the student.
- Physical transcripts are no longer accepted. Students must submit official electronic copies from ALL COLLEGES Attended including AVC to healthsciences@avc.edu during the application period. No transcripts will be accepted outside the application window. Students will have to request them through the institution attended or parchment. No transcripts will be accepted directly from the student. All required prerequisite courses must be completed with grade posted; any noted as "In progress" will disqualify applicant. If students are trying to receive credit for a degree, it must be posted on their transcript. Diplomas will not be accepted.

NOTE: All transcripts of college work must be submitted. Failure to submit all transcripts will disqualify the student from enrollment in the program and may be reported to the Board of Registered Nursing as fraudulent activity.

NOTE: Should student have attended institution that will not supply official electronic version of transcripts, the division office will accept an official sealed physical copy.

NOTE FOR STUDENTS WITH FOREIGN TRANSCRIPTS:

- Foreign transcripts of high school and college work must be evaluated for equivalency to United States education by an accredited credentials evaluation service. Subject and grade listing are required for college course work. Course descriptions are required for all courses used to fulfill program prerequisites or required courses. The high school evaluation must state that the student has the equivalent of 12th grade high school graduation in the United States. A list of approved credential evaluation services is available from the Office of Admissions and Records or the Nursing Department office. Foreign graduates must apply for and be accepted into the traditional or LVN/RN bridge program. Students cannot take individual classes outside of the traditional or bridge program of study.

- Transfer students must submit a letter from their previous nursing program director indicating that they are eligible to return to their former program in good standing.
- LVNs applying for advanced placement need to submit a copy of their California vocational nursing license, proof of IV certification, and vocational nursing transcripts showing completion of an obstetrical and pediatrics nursing course. LVNs must maintain continuous licensure while enrolled in the program.
- Students transferring science courses should consult with a counselor or the dean. Not all science courses are equivalent to those at AVC.

Submission of an enrollment packet does not guarantee enrollment in the program. Incomplete enrollment packets will not be considered.

SELECTION PROCEDURES FOR GENERIC APPLICANTS:

1. Enrollment packets are no longer accepted year-round. Students wanting to apply for spring admission, applications will be available in September and students wanting to apply for fall admission, applications will be available in March. Exact dates are subject to change and will be posted to the Registered Nursing Academic web page. Submission of applications during the application period does not guarantee admission for the next semester. During the application period, students must submit complete application packets with all requirements and completion of the TEAS in order to be considered.
2. The student is responsible for informing the Nursing Department office of any change of address, telephone number, name and/or email contact information.
3. Students can apply to the program without their TEAS however admission will not be offered until this requirement has been met. During the application period, students can request a one time use first come first serve code to take the test at no cost to the student. After prerequisites are verified, the division office will issue the code. This is not guaranteed to take place before the deadline. If a student failed the TEAS® twice while applying to the LVN-RN program, the student will not be allowed to take the TEAS® to enter the generic ADN program. Students who attain a satisfactory score on the test (currently 62% or higher) will be considered for the next step in the enrollment process. If a student is unsuccessful on the first attempt, they will have to pay to retest. Should a student be unsuccessful on both attempts, they will be disqualified from the program. Students who attain a satisfactory score on the second test will be considered for the next step of the selection process. The results of the ATI TEAS® must be on file with the Nursing Department office at AVC for consideration. Exceptions to this procedure will not be granted.
4. Each March (for fall enrollment) and September (for spring enrollment) students will be ranked based on their scholastic eligibility. Scholastic eligibility is determined by multi-screening criteria, which consider previous academic degrees, GPA in relevant science courses, GPA in remaining prerequisite courses, work, life experiences and special circumstances, proficiency or advanced coursework in languages other than English, and results on the assessment test. Students who are not accepted do not need to reapply; they will remain on the waiting list for the next available enrollment period. Applications will be kept for 2 years and then the student must reapply.
5. A physical examination will be required after conditional acceptance into the program. The purpose of the examination is to ensure the absence of communicable disease and to ensure that the student is not adversely affected by physical and/or mental illness that may endanger the health and safety of a patient.
6. A drug and alcohol screening will be required. Information will be provided with the physical examination form.
7. Students are required to have background screening for felonies, misdemeanors, fraud and abuse, sexual crimes, and social security number verification. Information on how to obtain a background screening will be given to students with enrollment letters.
8. Students must have personal liability insurance and American Heart Association CPR training for health care providers. Information about these requirements will be sent to students with the enrollment letters.
9. Enrollment to the program can only be deferred one time.

Program Prerequisites (21 units):

Course	Units
BIOL 201, General Human Anatomy	4
BIOL 202, General Human Physiology	4
BIOL 204, General Microbiology	5
ENGL C1000, Academic Reading and Writing	4
STAT C1000, Introduction to Statistics	4
	Total 21

Required Nursing Courses (54 units):

Course	Units
NS 101A, Fundamentals of Nursing Science	8
NS 102A, Maternal and Newborn Nursing	3.5
NS 103A, Medical Surgical Nursing I	5.5
NS 201A, Psychiatric-Mental Health Nursing	3
NS 202A, Medical Surgical Nursing II	5.5
NS 203A, Pediatric Nursing	4
NS 204A, Medical Surgical Nursing III	5.5
NS 205A, Transition to Professional Nursing	1
COMM C1000, Introduction to Public Speaking	3
HIST C1001, United States History to 1877 **OR**	
HIST C1002, United States History since 1865	3
PHIL 201, Critical Thinking	3
PSY 236, Developmental Psychology	3
SOCI C1000, Introduction to Sociology	3
AVC GE Area 6	3
	Total 54

Transfer Students

Students transferring from other colleges must meet the same prerequisites and follow the enrollment procedure for generic students.

Transfer students must submit a letter from their previous nursing program director indicating that they are eligible to return to their former program in good standing.

Eligible transfer students must take the TEAS® assessment and complete NS 200A, Nursing Transition.

A student may be granted credit for nursing courses taken at other colleges if the courses are comparable to AVC's ADN courses in content, hours, and units. Course syllabi must be provided with the enrollment packet to enable the faculty to evaluate the course work for equivalency.

The student must petition the faculty for transfer credit of nursing courses. (Please refer to Transfer and Challenge Policy and Procedures).
Challenge examinations are available for all nursing science courses.
Transfer students must meet with a counselor prior to submitting an enrollment packet for the ADN program to determine equivalency of science and general education courses from other colleges.

LVN to RN CAREER OPTIONS:
Vocational Nurses who are licensed in California may be eligible for admission to the ADN program. IV certification and American Heart Associate CPR for health care providers are required for entrance into the program.
LVNs must maintain continuous licensure as an LVN in California while enrolled in the nursing program and through to the date of licensure as a registered nurse.
After admission to the program, the following options are available to the LVN:
A. The 30 unit option as specified by the Board of Registered Nursing (non-degree*).
B. Advanced Placement: entrance into the program beyond the first semester (degree or non-degree*).
C. Entrance into the generic ADN program (degree or non-degree*).
*Individuals completing nursing requirements but not completing degree requirements of the college.
A. 30 Unit Option: The prerequisite courses must be completed with a grade of "C" or better and grades must be posted on the official college transcript when the enrollment packet is submitted. Sciences must have a lab component. **LVNs who choose this option are not graduates of AVC and do not receive a certificate or Associate in Science degree in nursing.** There is no assurance that the RN licensure of a "30 unit option" LVN will be recognized outside of California.
All college admission requirements are waived for "30 unit option" students. The applicant must take the TEAS entrance exam prior to applying.
To conform with State regulations, students must be 18 years of age, be a high school graduate and be admitted to Antelope Valley College.
A minimum grade of "C" is required in all courses.

NOTE: BIOL 202 and BIOL 204 must be completed prior to entry into NS 200A.

30 Unit Option
Required Curriculum:

Course	Credit Hours
BIOL 202, General Human Physiology	4
BIOL 204, General Microbiology	5
NS 200A, Nursing Transition	3
NS 201A, Psychiatric-Mental Health Nursing	3
NS 202A, Medical Surgical Nursing II	5.5
NS 204A, Medical Surgical Nursing III	5.5
NS 205A, Transition to Professional Nursing	1
PSY 236, Developmental Psychology	3
	Total 30

B. Advanced Placement: An LVN enrolled in the ADN program can elect to receive credit for NS 101A, NS 102A, and NS 203A for his/her LVN course work. LVNs must provide a transcript of their vocational nursing education and course description(s) showing content in maternal and newborn nursing and pediatric nursing. The units will be posted on the student's transcript after successful completion of NS 200A. Each March (for fall enrollment) and September (for spring enrollment) students will be ranked based on their scholastic eligibility. Scholastic eligibility is determined by multi-screening criteria, which consider previous academic degrees, GPA in relevant science courses, GPA in remaining prerequisite courses, work, life experiences and special circumstances, proficiency or advanced coursework in languages other than English, and results on the assessment test. Students who are not accepted do not need to reapply; they will remain on the waiting list for the next available enrollment period.

Advanced Placement
Required Curriculum (after completion of NS 200A)
First Semester

Course	Credit Hours
NS 103A, Medical Surgical Nursing I	5.5
NS 202A, Medical Surgical Nursing II	5.5
*PHIL201, Critical Thinking	3
*PSY 236, Developmental Psychology	3
*COMM C1000, Introduction to Public Speaking	3
	Total 20

Second Semester

Course	Credit Hours
NS 201A, Psychiatric-Mental Health Nursing	3
NS 204A, Medical Surgical Nursing III	5.5
NS 205A, Transition to Professional Nursing	1
*SOCI C1000, Introduction to Sociology	3
*HIST C1001, United States History to 1877 OR *HIST C1002, United States History since 1865	3
AVC GE Area 6	3
	Total 18.5

*These courses may be taken prior to enrollment in the ADN program.

NOTE: Completion of BIOL 201, BIOL 202, BIOL 204, STAT C1000, and ENGL C1000 are prerequisites for NS 200A.

Enrollment Procedures
Refer to the Associate Degree Nursing program brochure for details.
Minimum Entrance Requirements
Refer to the Associate Degree Nursing program brochure for details.

C. Entrance into the Generic ADN Program: A Licensed Vocational Nurse (LVN) can choose to enter the generic ADN program beginning with the first semester courses. The LVN who elects this route follows the same enrollment and selection procedures as generic nursing students. Minimum entrance requirements are the same as those for generic nursing students.

SELECTION PROCEDURE for TRANSFER and LVN-RN STUDENTS:
The number of students enrolled is limited by availability of classroom space, qualified instructors and clinical facilities. Preference for admission to NS 200A and the classes required for program completion will be given to students who are seeking degrees.
Foreign graduates will only be accepted as generic or VN-RN students.
Each year students will be ranked based on their scholastic eligibility. Scholastic eligibility is determined by multi-screening criteria, which considers previous academic degrees, GPA in relevant science courses, GPA in remaining prerequisite courses, work, life and work experiences and special circumstances, proficiency or advanced coursework in languages other than English and results on the assessment test. Students who are accepted will remain on the waiting list for the next available enrollment period. Applications will be kept for 2 years and then the student must reapply.
After prerequisites are verified, if a student has requested a one time code to test, one will be sent to them. These codes are issued on a first come first serve basis and not guaranteed to be issued before the deadline. If a student failed the TEAS® twice while applying to the generic ADN program and later applies to the LVN-RN program, the student will be allowed to take the TEAS®, following the diagnostic assessment policy. Students who attain a satisfactory score on the test (currently 62% or higher) will be considered for the next step in the enrollment process. If a student is unsuccessful on the first attempt, they will have to pay to retest. Should a student be unsuccessful on both attempts, they will be disqualified from the program. Students who attain a satisfactory score on the second test will be considered for the next step of the selection process. The results of the ATI TEAS® must be on file with the Nursing Department office at AVC for consideration. Exceptions to this procedure will not be granted.
The results of the ATI TEAS® must be on file at Antelope Valley College.
Transfer and LVN-RN students are enrolled on a first-come, first-served basis as space is available.

GENERAL INFORMATION:
The student who completes the program is eligible to apply for an Associate in Science degree.
Nursing courses include classroom instruction and supervised clinical experiences in local hospitals and health care agencies in each of the four semesters.
For successful completion of the program, a minimum grade of "C" is required in all courses of the program.
Students are responsible for purchasing textbooks, personal liability insurance, uniforms, and health services. Students must provide their own transportation to and from the campus and the clinical sites.
Current expense sheets for the program are mailed to students with acceptance letters.
High school students who would like to enter the field of registered nursing should take courses relevant to nursing, such as chemistry, biology, algebra, anatomy and physiology.
Registered nurses who lack California licensure and LVNs who are licensed in California can meet state licensing regulations through this program. Credit by equivalency is available. Students requesting advance standing should follow the enrollment procedure for all nursing students.
LVNs and transfer students must complete NS 200A, Nursing Transition, before being admitted to the program.
Students will be required to have an annual examination by a licensed physician or certified nurse practitioner, once an acceptance letter is received. The examination must show that the student is free from communicable disease and does not have a physical and/or mental illness that may endanger the health or safety of a patient.
A drug screening will be required.
Impairment by controlled substances or alcohol during class or clinical experience violates college policy and compromises physical and emotional patient safety. Therefore, impairment by substance abuse or alcohol abuse that affects class or clinical performance is reason for dismissal from the nursing program.
Students with disabilities who anticipate they may need reasonable accommodation to participate in the nursing program should contact the Office for Students with Disabilities (OSD). The faculty and dean/director will work closely with OSD to determine if reasonable accommodations are required to perform essential job functions and identify effective accommodation that would not pose an undue hardship.

The following immunizations are required: measles, mumps, rubella, varicella, Tdap (as an adult), annual seasonal flu vaccine, and hepatitis B. These are required by health care facilities in which the student will be practicing as a student nurse. Antelope Valley College does not provide immunizations.
Students are required to purchase personal liability insurance. Information about personal liability insurance will be sent to students with the enrollment packet.
Students are required to have background screening for felonies, misdemeanors, fraud and abuse, sexual crimes, and social security number verification. Information on how to obtain background screening will be given to students with enrollment packets. A student who does not meet the background screening requirements cannot enroll in the program.

The BRN may deny licensure to individuals who have been convicted of a felony. An individual seeking enrollment into the nursing program who has a conviction should contact the BRN to ascertain their status prior to seeking enrollment. The BRN may be contacted by writing or calling:
Board of Registered Nursing
P.O. Box 944210
Sacramento, CA 94244-2100
(916) 322-3350

Additional information about the Vocational Nursing Practice Act can be found on the BRN's website.

Appeals procedures for the resolution of grievances can be found in the Board Policies and Administrative Procedures Manual.
If a student is unable to participate in the nursing program due to illness, upon return to the program the student must obtain a written statement from a primary health care provider stating that the student is in good health and able to participate in the nursing program without compromising the physical or emotional safety of any patient.
A student enrolled in the nursing program may be allowed to reenroll in the program once. Unsuccessful completion of a course, withdrawal from any course, or failure in a course after reenrollment will result in the student not being able to continue in the program.

Reenrollment to the program for returning students will only be available for students who have been out of the program three years or less.

TRANSFER AND CHALLENGE POLICY AND PROCEDURES:

A. General Policies Governing Challenge Examination

Individuals from health profession backgrounds other than nursing will be evaluated on an individual basis as to education and work experience.

Credit by challenge examination will be given to qualified individuals, including military personnel. Nursing courses may be challenged by examination. Candidates for the challenge process may obtain preparatory materials after notifying the director of intent to challenge. These materials include copies of the course objectives, course syllabus, and information regarding the format of the challenge examination.

Challenge examinations for credit will be given one semester before enrollment in the nursing program.

Challenge examinations will be given one at a time according to curriculum sequence and in accordance with Antelope Valley College policy.

*Challenge exams are only given if instructors and clinical spaces are available.

B. Challenge Procedure

The challenge examination will include the final examination given to students enrolled in the course being challenged. The clinical component of the challenge examination will vary with the area being challenged, but will consist of:

1. Patient assessment.
2. Development and implementation of a plan of care.
3. Documentation of care given with evaluation.
4. Skills competency.
5. Dosage calculations.

The examination will be designed to validate that the student possesses the critical skills necessary to perform safely in the clinical area. The student will be evaluated with the evaluation tool used for the particular course being challenged.

C. Grading of Nursing Challenge Examinations

Grading of nursing challenge examinations will be exactly the same as for examinations given to regular students. The score required for a "C" grade will be the minimum score required for passing - 70 percent. The student is allowed one attempt to be successful.

Grades for challenge examinations in nursing are recorded only if the student is successful. This is to ensure that, if an individual is not successful with the challenge, there is no penalty incurred. The student may then enroll in the course for credit and receive the grade earned. If the student is successful with the challenge, "Credit by Examination" and a letter grade are recorded on the college transcript.

D. Students Transferring from Another Program Educating Registered Nurses

Transfer credit for non-nursing courses is granted by the Office of Admissions and Records based on equivalency evaluation of official transcripts from a regionally accredited college.

If a nursing a regionally accredited nursing program is comparable in content and level to a course offered in the Antelope Valley College ADN program, transfer credit is granted. Applicants are asked to submit course descriptions, course outlines, and/or syllabi for evaluation of content as necessary. Applicants must provide a letter from the director of the previous nursing program indicating that they were in good standing at the time of withdrawal from that program.

Program Learning Outcomes

Nursing Skills Lab Certificate (Noncredit)/ Registered Nursing AS

1. Practice nursing within the legal, ethical and regulatory framework of nursing and standards of professional nursing practices.
2. Uses the nursing process to safely care for patients; reports and documents appropriate patient information in a timely manner.
3. Uses critical thinking to provide the foundation for appropriate decision-making.

Certificate Program

Nursing Skills Lab Certificate (Noncredit)

The nursing skills lab program prepares graduates with the skills necessary to practice as a competent registered nurse.

Program Requirements

Nursing Skills Lab Certificate (Noncredit) (Total 35 - 95)

Complete the following number of hours: 35-95	**Hours**
NS 911L - Skills Lab 911L	5
NS 912L - Skills Lab 912L	5
NS 913L - Skills Lab 913L	5
NS 921L - Skills Lab 921L	5
NS 922L - Skills Lab 922L	5
NS 923L - Skills Lab 923L	5
NS 924L - Skills Lab 924L	5
NS 950L - Skills Lab 950L	60

Recommended Pathway

Term 1	**Hours**
NS 911L - Skills Lab 911L	5
	Total 5
Term 2	
NS 912L - Skills Lab 912L	5
NS 913L - Skills Lab 913L	5
	Total 10
Term 3	
NS 950L - Skills Lab 950L	60
NS 921L - Skills Lab 921L	5
NS 922L - Skills Lab 922L	5
	Total 70
Term 4	
NS 923L - Skills Lab 923L	5
NS 924L - Skills Lab 924L	5
	Total 10
	Certificate Total 95

Associate Degree

Registered Nursing AS

The Associate Degree Nursing program prepares graduates and program completers for the National Council Licensure Examination for Registered Nurses. The exam is required by the California Board of Registered Nursing and the boards of nursing of other states and U.S. Territories for licensure as a registered nurse. Students must receive a minimum grade of "C" or better in all courses required for this degree.

Program Requirements
Registered Nursing AS (Total 72)
Complete all of the following

Prerequisites (Total 13)	**Units**
Complete all of the following	
BIOL 201 - General Human Anatomy	4
BIOL 202 - General Human Physiology	4
BIOL 204 - General Microbiology	5
Prerequisite - ENGL Honors Option (Total 4)	
Complete the following number of units: 4	
ENGL C1000 - Academic Reading and Writing	4
ENGL C1000H - Academic Reading and Writing - Honors	4
Prerequisite - STAT Honors Option (Total 4)	
Complete the following number of units: 4	
STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4
Required Nursing Courses (Total 36)	
Complete all of the following	
NS 101A - Fundamentals of Nursing Science	8
NS 102A - Maternal and Newborn Nursing	3.5
NS 103A - Medical Surgical Nursing I	5.5
NS 201A - Psychiatric Mental Health Nursing	3
NS 202A - Medical Surgical Nursing II	5.5
NS 203A - Pediatric Nursing	4
NS 204A - Medical Surgical Nursing III	5.5
NS 205A - Transition to Professional Nursing	1
Required Courses (Total 15)	
Complete all of the following	
Required Courses (Total 6)	
Complete all of the following	
PHIL 201 - Critical Thinking	3
PSY 236 - Developmental Psychology	3
COMM Honors Option (Total 3)	
Complete the following number of units: 3	
COMM C1000 - Introduction to Public Speaking	3
COMM C1000H - Introduction to Public Speaking - Honors	3
SOC Honors Option (Total 3)	
Complete the following number of units: 3	
SOCI C1000 - Introduction to Sociology	3
SOCI C1000H - Introduction to Sociology - Honors	3
Required Course - Choose one (Total 3)	
Complete the following number of units: 3	
HIST C1001 - United States History to 1877	3
HIST C1001H - United States History to 1877 - Honors	3
HIST C1002 - United States History since 1865	3
HIST C1002H - United States History since 1865 - Honors	3

Recommended Pathway

Prerequisites	**Units**
BIOL 201 - General Human Anatomy	4
BIOL 202 - General Human Physiology	4
BIOL 204 - General Microbiology	5
ENGL C1000 - Academic Reading and Writing	4
STAT C1000 - Introduction to Statistics	4
	Total 21
First Semester	
PSY 236 - Developmental Psychology	3
NS 101A - Fundamentals of Nursing Science	8
COMM C1000 - Introduction to Public Speaking	3
	Total 14
Second Semester	
NS 102A - Maternal and Newborn Nursing	3.5
NS 103A - Medical Surgical Nursing I	5.5
PHIL 201 - Critical Thinking	3
	Total 12
Third Semester	
NS 201A - Psychiatric Mental Health Nursing	3
NS 202A - Medical Surgical Nursing II	5.5
SOCI C1000 - Introduction to Sociology	3
AVC GE Area 6	3
	Total 14.5
Fourth Semester	
NS 203A - Pediatric Nursing	4
Required Course (HIST C1001 OR HIST C1001H OR HIST C1002 OR HIST C1002H)	3
NS 204A - Medical Surgical Nursing III	5.5
NS 205A - Transition to Professional Nursing	1
	Total 13.5
	Degree Total 75

Nursing Science Courses

NS 101A FUNDAMENTALS OF NURSING SCIENCE

8 Units
Total Course Lecture Hours 72
Total Course Lab Hours 216
Limitation on Enrollment: *Formal admission to the Associate Degree Nursing Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, Live Scan, current American Heart Association Healthcare Provider basic cardiac life support card.*
Prerequisite: *Completion of BIOL 201, BIOL 202, and BIOL 204 with a 2.5 overall GPA. May have only one repeat in the sciences. Completion of STAT C1000 and ENGL C1000 with a GPA of 2.5 or better. Have an overall GPA of 2.5 in all course work.*
Fundamental nursing principles of patient care. Focus is on basic components of professional, competent nursing care. Pharmacology, geriatric nursing, safety, culturally competent patient care are integrated. Major emphasis is on the practitioner role of the nurse and the development of critical thinking skills. Participating in concurrent clinical experience in acute care nursing facilities is required. (CSU, AVC)

NS 102A MATERNAL AND NEWBORN NURSING

3.5 Units

Total Course Lecture Hours 27

Total Course Lab Hours 108

Limitation on Enrollment: *Formal admission to the Associate Degree Nursing Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, Live Scan, current American Heart Association Healthcare Provider basic cardiac life support card.*

Prerequisite: *Completion of NS 101A.*

In this course, the nursing process is used to meet the health care and nursing needs of the obstetrical, newborn and women' health patients. Integrated throughout the course are the concepts of patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety and informatics. The roles and responsibilities of the professional nurse including practitioner, manager of care, scholar, and teacher will be developed. (CSU, AVC)

NS 103A MEDICAL SURGICAL NURSING I

5.5 Units

Total Course Lecture Hours 45

Total Course Lab Hours 162

Limitation on Enrollment: *Formal admission to the Associate Degree Nursing Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, Live Scan, current American Heart Association Healthcare Provider basic cardiac life support card.*

Prerequisite: *Completion of NS 101A, or NS 200A for LVN and transfer students.*

The nursing process is used to meet the health care and nursing needs of chronically ill adult medical/surgical patients. Integrated throughout the course are the concepts of patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety, and informatics. The roles and responsibilities of a professional nurse including practitioner, member of a team, scholar, and teacher will be developed. (CSU, AVC)

NS 200A NURSING TRANSITION

3 Units

Total Course Lecture Hours 36

Total Course Lab Hours 54

Limitation on Enrollment: *Formal admission in the Associate Degree Nursing Program for Licensed Vocational Nurse (LVN) students and transfer students. All LVN students transcripts must show evidence of maternity and pediatric course completion. All LVNs must possess an active California vocational nursing license and an Intravenous and Blood Therapy Certificate. Transfer students must submit a letter from director of their previous program indicating eligibility to return. All applicants must have a current physical exam and tuberculin test, current immunizations, personal liability insurance, Live Scan, current American Heart Association Healthcare Provider basic cardiac life support card.*

Prerequisite: *Completion of BIOL 201, BIOL 202 and BIOL 204 with a grade of "C" or better. Completion of STAT C1000 with a grade of "C" or better. Completion of ENGL C1000 with a grade of "C" or better.*

This course is designed to ease the entry of the Licensed Vocational Nurse and/or transfer student into the Associate Degree Nursing Program. The roles and responsibilities of the professional nurse are introduced along with the essentials features of what it means to be a competent nurse. The course provides an introduction to nursing process and its application in the clinical setting. (CSU, AVC)

NS 201A PSYCHIATRIC MENTAL HEALTH NURSING

3 Units

Total Course Lecture Hours 36

Total Course Lab Hours 54

Limitation on Enrollment: *Formal admission to the Associate Degree Nursing Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, Live Scan, current American Heart Association Healthcare Provider basic cardiac life support card.*

Prerequisite: *Completion of NS 102A and NS 103A, or NS 200A for LVN and transfer students.*

In mental health the nursing process is utilized to meet the health care and psychiatric needs of the mental health patients. The major emphasis is on the supportive educative role of the nurse, nursing process, patients' rights, patients' safety, the legal and ethical aspects of nursing and the development of critical thinking skills. Integrated throughout the course are the concepts of patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety, and informatics. The roles and responsibilities of a professional nurse including practitioner, manager of care, scholar and teacher will be developed. (CSU, AVC)

NS 202A MEDICAL SURGICAL NURSING II
5.5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 162
Limitation on Enrollment: *Formal admission to the Associate Degree Nursing Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, Live Scan, current American Heart Association Healthcare Provider basic cardiac life support card.*
Prerequisite: *Completion of NS 102A and NS 103A, or NS 200A for LVN and transfer students.*
The nursing process is used to meet the health care and nursing needs of acutely ill adult medical/surgical patients. Integrated throughout the course are the concepts of patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety, and informatics. The roles and responsibilities of a professional nurse including practitioner, manager of care, scholar, and teacher will be developed. (CSU, AVC)

NS 203A PEDIATRIC NURSING
4 Units
Total Course Lecture Hours 36
Total Course Lab Hours 108
Limitation on Enrollment: *Formal admission to the Associate Degree Nursing Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, Live Scan, current American Heart Association Healthcare Provider basic cardiac life support card.*
Prerequisite: *Completion of NS 202A and NS 201A.*
The nursing process is used to meet the health care and nursing needs of pediatric patients. Integrated throughout the course are the concepts of patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety, and informatics. The roles and responsibilities of a professional nurse including practitioner, manager of care, scholar and teacher will be developed. (CSU, AVC)

NS 204A MEDICAL SURGICAL NURSING III
5.5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 162
Limitation on Enrollment: *Formal admission to the Associate Degree Nursing Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, Live Scan, current American Heart Association Healthcare Provider basic cardiac life support card.*
Prerequisite: *Completion of NS 201A and NS 202A.*
The nursing process is used to meet the health care and nursing needs of critically ill adult medical/surgical patients. Integrated throughout the course are the concepts of patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety, and informatics. The roles and responsibilities of a professional nurse including practitioner, manager of care, scholar, and teacher will be developed. (CSU, AVC)

NS 205A TRANSITION TO PROFESSIONAL NURSING
1 Unit
Total Course Lecture Hours 18
Limitation on Enrollment: *Formal admission to the Associate Degree Nursing Program, annual physical exam and tuberculin test, current immunizations, personal liability insurance, Live Scan, current American Heart Association Healthcare Provider basic cardiac life support card.*
Prerequisite: *Completion of NS 202A.*
This course provides theory to assist the student transition to professional nursing practice. It provides the knowledge necessary to manage patient care, make decisions related to setting priorities, delegate responsibilities, and collaborate with other health care professionals. Ethical and legal issues that confront nurses will be discussed. (CSU, AVC)

Nursing Science Non Credit Courses

NS 911L SKILLS LAB 911L
0 Units
Total Course Lab Hours 5
Limitation on Enrollment: *Formal enrollment in the Associate Degree Nursing program.*
Focus is on the development of fundamental nursing skills and basic components of competent nursing care. Participation is to develop and enhance skills in a non-threatening environment before the student interacts with clients in clinical settings. (R unlimited)

NS 912L SKILLS LAB 912L
0 Units
Total Course Lab Hours 5
Limitation on Enrollment: *Formal enrollment in the Associate Degree Nursing program.*
Advisory: *Concurrent enrollment NS 102A.*
Focus is on the development of nursing skills and basic components of competent nursing care for obstetrical clients. Participation is to develop and enhance skills in a non-threatening environment before the student interacts with clients in the clinical settings. (R unlimited)

NS 913L SKILLS LAB 913L
0 Units
Total Course Lab Hours 5
Limitation on Enrollment: *Formal Enrollment in the Associate Degree Nursing program.*
Advisory: *Concurrent Enrollment in NS 103A.*
Focus is on the development of basic components of competent care IV infusion and venipuncture. Participation is to develop and enhance skills in a non-threatening environment before the student interacts with clients in the clinical settings. (R unlimited)

NS 921L SKILLS LAB 921L

0 Units

Total Course Lab Hours 5

Limitation on Enrollment: *Formal enrollment in the Associate Degree Nursing program.*

Advisory: *Concurrent enrollment in NS 201A.*

Focus is on the development of nursing skills and basic components of competent nursing care. Participation is to develop and enhance skills in a non-threatening environment before the student interacts with clients in clinical settings. (R unlimited)

NS 922L SKILLS LAB 922L

0 Units

Total Course Lab Hours 5

Limitation on Enrollment: *Formal enrollment in the Associate Degree Nursing program.*

Advisory: *Concurrent enrollment in NS 202A.*

Focus is on the development of basic components of competent nursing care for IVP medication administration. Participation is to develop and enhance skills in a non-threatening environment before the student interacts with clients in the clinical settings. (R unlimited)

NS 923L SKILLS LAB 923L

0 Units

Total Course Lab Hours 5

Limitation on Enrollment: *Formal enrollment in the Associate Degree Nursing program.*

Advisory: *Concurrent enrollment in NS 203A.*

Focus is on the development of basic components of competent nursing care for pediatric clients. Participation is to develop and enhance skills in a non-threatening environment before the student interacts with clients in the clinical setting. (R unlimited)

NS 924L SKILLS LAB 924L

0 Units

Total Course Lab Hours 5

Limitation on Enrollment: *Formal enrollment in the Associate Degree Nursing program.*

Advisory: *Concurrent enrollment in NS 204A.*

Focus on the development of basic components of competent nursing care for advanced medical-surgical clients. Participation is to develop and enhance skills in a non-threatening environment before the student interacts with clients in the clinical settings. (R unlimited)

NS 950L SKILLS LAB 950L

0 Units

Total Course Lab Hours 60

Limitation on Enrollment: *Formal enrollment in the Associate Degree Nursing Program*

Prerequisite: *Completion of NS 102A and NS 103A*

In this course, the focus is on development of nursing skills and competent nursing care. Participation is required to develop and enhance skills in the clinical setting with a preceptor. (R unlimited)

Department Description

The program in Nutrition and Foods allows individuals to acquire knowledge of nutrition to promote optimum health and maximize one's physical, social, and economic potential. The Nutrition and Foods program includes courses that may apply toward; 1) vocational training, 2) the associate degree or, 3) transfer to upper-division institutions for careers in dietetics, dietary health care, and nutrition fitness and health. This program provides up-to-date scientific and factual information as well as practical application of that information to the everyday nutrition and food choices that consumers must make.

Program Learning Outcomes

Nutrition and Dietetics AS- T

1. Demonstrate the ability to use accepted nutrition computer software to analyze dietary intake.
2. Analyze dietary intake as it relates to common nutrition related conditions.
3. Develop an understanding of how food affects nutrient intake as noted by nutrition software and the ability to understand basic scientific data.

Nutrition and Disease Certificate

1. Analyze dietary patterns and lifestyle factors using established assessment tools and guidelines and design individualized nutrition interventions that promote long-term health.

Certificate Program

Nutrition and Disease Certificate

The Nutrition and Disease Certificate focuses on the critical role of nutrition and lifestyle in preventing and managing chronic conditions such as heart disease, diabetes, and obesity. In this program, you'll build a strong foundation in the science of nutrition, behavior change, and physical activity, and learn how to translate research into practical strategies that promote long-term health. Coursework emphasizes assessing nutritional needs, understanding the link between diet and disease, and designing approaches that support healthy outcomes across diverse populations. By completing this certificate, you'll be prepared for roles in health care, community health, and wellness promotion, or you can apply it to enhance an existing degree in the health sciences or related fields.

Program Requirements

Required Core Courses (Total 21.5 - 24)	
Complete all of the following	**Units**
Required Core Courses (Total 21.5 - 24)	
Complete all of the following	
NF 102 - Nutrition and Food for Children	3
NF 103 - Principles of Food Preparation	3
NF 110 - Sports Nutrition	3
NF 150 - Food and Culture	3
NF Option (Total 3)	
Complete the following number of units: 3	
NF 100 - Nutrition	3
NF 165 - Introduction to Human Nutrition	3
COMM Option (Total 3)	
Complete the following number of units: 3	
COMM C1000 - Introduction to Public Speaking	3
COMM C1000H - Introduction to Public Speaking - Honors	3
PSYC Option (Total 3)	
Complete the following number of units: 3	
PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3
Elective Choice (Total 0.5 - 3)	
Complete the following number of units: 0.5-3	
KINF 130 - Physical Conditioning	0.5-1
SOCI C1000 - Introduction to Sociology	3
SOCI C1000H - Introduction to Sociology - Honors	3

Recommended Pathway

Term 1	**Units**
NF 102 - Nutrition and Food for Children	3
NF 103 - Principles of Food Preparation	3
COMM Option (COMM C1000 ***OR*** COMM C1000H)	3
	Total 9
Term 2	
NF Option (NF 100 ***OR*** NF 165)	3
NF 150 - Food and Culture	3
PSYC Option (PSYC C1000 ***OR*** PSYC C1000H)	3
	Total 9
Term 3	
NF 110 - Sports Nutrition	3
Elective Choice (see list)	0.5-3
	Total 3.5-6
	Certificate Total 21.5-24

Associate Degree

Nutrition and Dietetics AS- T

The Associate in Science in Nutrition and Dietetics for Transfer (AS-T in Nutrition and Dietetics) degree is to provide students with a foundational knowledge of nutrition and science, to enhance their problem-solving skills, sharpen their critical thinking and the opportunity to seamlessly transfer to a California State University in advanced standing as a Nutrition and Dietetics major. Additionally, the degree can prepare students in areas of science.

The Associate in Science in Nutrition and Dietetics for Transfer (AS-T in Nutrition and Dietetics) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses but do not exclude admittance to other colleges or universities.

To earn the Associate in Science in Nutrition and Dietetics for Transfer (AS-T in Nutrition and Dietetics) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Nutrition and Dietetics AS-T (Total 28 - 29)
Complete all of the following

Required Courses (Total 21)
Complete all of the following **Units**
Required Courses (Total 13)
Complete all of the following
NF 100 - Nutrition 3
CHEM 120 - General Chemistry 5
BIOL 204 - General Microbiology 5
Required Course - Choose one (Total 5)
Complete the following number of units: 5
CHEM 110 - General Chemistry 5
CHEM 110H - General Chemistry Honors 5
Required Course - Choose one (Total 3)
Complete the following number of units: 3
PSYC C1000 - Introduction to Psychology 3
PSYC C1000H - Introduction to Psychology - Honors 3

Required Electives List A (Total 4 - 5)
Complete the following number of units: 4-5
CHEM 210 - Organic Chemistry 5
BIOL 201 - General Human Anatomy 4
BIOL 202 - General Human Physiology 4
STAT C1000 - Introduction to Statistics 4
STAT C1000H - Introduction to Statistics - Honors 4
MATH 116 - Introduction to Statistics Using R 4

Required Electives List B (Total 3)
Complete the following number of units: 3
NF 103 - Principles of Food Preparation 3

Recommended Pathway

Term 1	**Units**
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 5A (CHEM 110)	5
PSYC C1000 - Introduction to Psychology ***OR*** PSYC C1000H - Introduction to Psychology - Honors	3
	Total 15
Term 2	
CHEM 120 - General Chemistry	5
NF 100 - Nutrition	3
Required Electives List A (STAT C1000 ***OR*** STAT C1000H ***OR*** MATH 116)	4
BIOL C1001 - Introduction to Biology ***OR*** any Cal-GETC GE Area 5B	3
	Total 15
Term 3	
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 3A	3
Required Electives List B (NF 103)	3
General Elective	3
General Elective	3
	Total 15
Term 4	
BIOL 204 - General Microbiology	5
Cal-GETC GE Area 3B	3
Cal-GETC GE Area 6	3
General Elective	1
Cal-GETC GE Area 4	3
	Total 15
	Degree Total 60

Nutrition and Foods Courses

NF 100 NUTRITION

3 Units

Total Course Lecture Hours 54

Advisory: *Eligibility for ENGL C1000 (ENGL 101) or placement by multiple measures.*

This course is designed to develop an understanding of basic nutrition for healthy individuals and an appreciation of the relationship between sound nutritional food patterns and physical, mental, and emotional health. Discussion on recent developments in nutrition, as well as valid sources of nutritional information is included. (C-ID: NUTR 110) (CSU, AVC)

NF 102 NUTRITION AND FOOD FOR CHILDREN

3 Units

Total Course Lecture Hours 54

This course is designed to develop an understanding of basic nutrition issues relating to the basic nutritional needs of children from the prenatal period through adolescence. This will be integrated with the overall developmental goals for children. Identification of nutrients in food as they affect behavioral patterns, learning abilities, physical stamina and growth will be discussed. Meal planning for various age groups in child care will be covered. Recommended for students in a Child Education Certificate Program. (CSU, AVC)

NF 103 PRINCIPLES OF FOOD PREPARATION

3 Units

Total Course Lecture Hours 36

Total Course Lab Hours 54

An introduction to food science principles and food preparation techniques with emphasis on ingredient functions and interaction; food preparation techniques; sensory evaluation standards; food safety and sanitation; nutritional values. Food principles will be studied and then practically applied to laboratory problems. This course is suggested for nutrition and food science majors, family and consumer science majors and those interested in developing nourishing and satisfying food products of high quality. (C-ID: NUTR 120) (CSU, AVC)

NF 110 SPORTS NUTRITION

3 Units

Total Course Lecture Hours 54

This course is designed to develop an understanding of the special nutritional needs for those participating in regular physical activity, both individual and team sports. Nutrient and fluid intake before, during, and after exercise or sports competition will also be examined. Discussion on the current research on performance-enhancing aids will also be explored. (CSU, AVC)

NF 150 FOOD AND CULTURE

3 Units

Total Course Lecture Hours 54

This course is designed to study the culture and home life of varying populations. The study of each culture begins with a history of the group in its native environment then moves to its history and current demographics in the United States. Worldview is studied, including traditional foods, health practices and beliefs. Immigrant influence on American cooking, as well as impact on the health care system, will be analyzed and compared. Course includes sampling of foods from various cultures studied. The course will encourage self-examination and individual cultural identification as well as cultural bias of the student. It expands attitudes towards diversity and is essential for health care providers, food service professionals, dietitians and nutritionists. (UC, CSU, AVC)

NF 165 INTRODUCTION TO HUMAN NUTRITION

3 Units

Total Course Lecture Hours 54

The study of the relationship between human nutrition and health or disease states including the integration of anatomy, physiology, chemistry, biochemistry, medical science, and biotechnology to understand the full impact on the human body. Current nutrition guidance models and approaches to medical nutrition are analyzed with an emphasis on evidence-based findings. A discussion of food selection, the nutritional components of food, metabolism, and risks associated with excesses or deficiencies throughout the lifecycle are also discussed. The impact of technological advances in nutrition is explored, along with a discussion of a lack of equity in access to food and nutrition information. (CSU, AVC)

Department Description

The study of philosophy deliberately and explicitly aims to improve students' critical thinking skills (e.g., the ability to evaluate various kinds of claims, arguments, and explanations) and disposition (e.g., fair-mindedness, open-mindedness, intellectual humility, patience, persistence, honesty, courage, empathy) while giving them the opportunity to explore and evaluate philosophically the scope and limits of logic, human knowledge, moral and aesthetic values, religions, politics, and notions of reality. Philosophy teaches many intellectual tools that apply across all disciplines. Though the philosophy program offers few courses, together they offer students a foundation for their lifelong pursuit of meaning, purpose, and fulfillment.

Program Learning Outcomes

Philosophy AA-T

1. Students will describe accurately, explain clearly, and evaluate fairly various classical and contemporary philosophical issues, concepts, and theories.
2. Students will be able to identify, to interpret, to reconstruct and to evaluate arguments and non-arguments such as explanations from different disciplines and perspectives logically and quantitatively.
3. Students are able to present well-reasoned and clear arguments to support their positions on philosophical issues or social controversies theoretically and factually.

Associate Degree

Philosophy AA-T

The Associate in Arts in Philosophy for Transfer (AA-T in Philosophy) degree offers students a fundamental understanding of the main fields of Philosophy, including logic, ethics, epistemology, metaphysics, social and political philosophy, aesthetics, and philosophy of religion. While being exposed to a wide spectrum of major philosophical theories, students have the opportunity to discuss how philosophical issues and problems are related to their personal lives, clarifying their own values and developing their reasoning capabilities.

The Associate in Arts in Philosophy for Transfer (AA-T in Philosophy) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn the Associate in Philosophy for Transfer (AA-T in Philosophy) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses.
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district.
- Completion of the Cal-GETC pattern.
- Minimum grade of "C" (or "P") for each course in the major.
- Minimum overall grade point average of 2.0.

Program Requirements
Philosophy AA-T (Total 18)

Complete all of the following	**Units**
Pick One Required Course from this Group: (Total 3)	
Complete the following number of units: 3	
PHIL 110 - Introduction to Logic	3
PHIL 210 - Symbolic Logic	3
Pick One Required Course from this Group: (Total 3)	
Complete the following number of units: 3	
PHIL 105 - Ethics: Moral Issues in Contemporary Society	3
PHIL 105H - Ethics: Moral Issues in Society Honors	3
PHIL 106 - Introduction to Philosophy	3
Required Electives A OR any required core course not already used. (Total 3)	
Complete the following number of units: 3	
PHIL 201 - Critical Thinking	3
PHIL 230 - History of Ancient and Medieval Philosophy	3
PHIL 240 - History of Modern Philosophy	3
Required Electives B or any LIST A course not already used. (Total 6)	
Complete the following number of units: 6	
PHIL 108 - Philosophy of Religion	3
Required Electives C or any LIST A or B course not already used. (Total 3)	
Complete the following number of units: 3	
PHIL 109 - World Religions	3

Recommended Pathway

Term 1	**Units**
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 1C	3
PHIL 110 - Introduction to Logic	3
Cal-GETC GE Area 3A	3
General Elective	3
	Total 16
Term 2	
PHIL 106 - Introduction to Philosophy	3
Required Electives B (PHIL 108)	3
Cal-GETC GE Area 2	3
Cal-GETC GE Area 4	3
General Elective	3
	Total 15
Term 3	
Cal-GETC GE Area 4	3
Cal-GETC GE Area 5A	3
General Elective	3
General Elective	3
Required Electives A (PHIL 230 ***OR*** PHIL 240)	3
	Total 15

Term 4

Required Electives C (PHIL 109)	3
Cal-GETC GE Area 5B	3
Required Electives A (PHIL 201)	3
Cal-GETC GE Area 5C	1
Cal-GETC GE Area 6	3
General Elective	1
Total	**14**
Degree Total	**60**

Philosophy Courses

PHIL 101 FUNDAMENTAL REASONING SKILLS

3 Units

Total Course Lecture Hours 54

The central goals of this course are to help students develop and improve interpretive and evaluative skills that will help them to become more competent and independent thinkers in their personal, academic, social, and professional lives, and in their life-long learning. Various aspects of language, logic, and reasoning will be studied in order to evaluate correctly concepts, claims, arguments, and explanations from a variety of contexts and disciplines. (UC, CSU, AVC)

PHIL 105 ETHICS: MORAL ISSUES IN CONTEMPORARY SOCIETY

3 Units

Total Course Lecture Hours 54

An introduction into the nature of ethics and to the question as to what ethical system, if any determines right and wrong. This course will not only examine certain traditional approaches to ethical questions, but will investigate the possible application of these approaches to current ethical conflicts. An analysis of moral issues, such as violence, sex, war, abortion, capital punishment, privacy, oppression, pornography, and euthanasia will be emphasized. (C-ID: PHIL 120) (UC, CSU, AVC)

PHIL 105H ETHICS: MORAL ISSUES IN SOCIETY HONORS

3 Units

Total Course Lecture Hours 54

This honors course, intended for students in the Honors Transfer Program, is an introduction into the nature of ethics and to the question as to what ethical system, if any determines right and wrong. This course will not only examine certain traditional approaches to ethical questions, but will investigate the possible application of these approaches to current ethical conflicts. An analysis of moral issues, such as violence, sex, war, abortion, capital punishment, privacy, oppression, pornography, and euthanasia will be emphasized. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. (UC, CSU, AVC) Note: Students may take either PHIL105 Ethics: Moral Issues in Society or PHIL105H Ethics: Moral Issues in Society Honors. Duplicate credit will not be awarded.

PHIL 106 INTRODUCTION TO PHILOSOPHY

3 Units

Total Course Lecture Hours 54

An introductory examination of themes and issues central to both classical and contemporary philosophy. Topics will be selected from such areas as ethics, politics, metaphysics, epistemology, religion and logic. (C-ID: PHIL 100) (UC, CSU, AVC)

PHIL 108 PHILOSOPHY OF RELIGION

3 Units

Total Course Lecture Hours 54

This course emphasizes the philosophical analysis of religious issues and themes. Such themes as the nature and variety of religious expression will be explored, analyzed, and evaluated. The philosophical task revolves around the effort to determine whether there is a special kind of knowledge to be called "Religious"; if so, how is it gained; if it is gained, what its implications will be for human conduct. (UC, CSU, AVC)

PHIL 109 WORLD RELIGIONS

3 Units

Total Course Lecture Hours 54

In this course students will examine the central beliefs, rituals, traditions, and the philosophical foundations of the major world religions, Judaism, Christianity, Islam, Hinduism, and Buddhism by studying their primary sacred texts. (UC, CSU, AVC)

PHIL 110 INTRODUCTION TO LOGIC

3 Units

Total Course Lecture Hours 54

An introduction to both formal and informal logic. Logic includes a study of linguistic analysis, immediate and mediate inference, symbolic notation, deductive proofs and fallacies. Attention is given to both traditional and modern symbolic systems. Critical thinking is applied to both symbolic and written arguments. Argumentative writing will be explored through both formal and informal logical analysis. (C-ID: PHIL 110) (UC, CSU, AVC)

PHIL 201 CRITICAL THINKING

3 Units

Total Course Lecture Hours 54

Prerequisite: Completion of ENGL 101.

An introduction to the logical analysis and critical evaluation of arguments and the basic strategies of rhetoric. Different forms of writing are distinguished and examined. A strong emphasis is on formal instruction in argumentative writing that utilizes the critical thinking skills developed in the course. (UC, CSU, AVC)

PHIL 210 SYMBOLIC LOGIC

3 Units

Total Course Lecture Hours 54

Introduces the elements of propositional and predicate logic. Analyzes forms of reasoning and structure of language. (CSU, AVC)

PHIL 230 HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY

3 Units

Total Course Lecture Hours 54

This course introduces students to the major questions in ancient philosophy across diverse cultures and thinkers. Is there an ultimate reality? What is the nature of justice? What is the good life? How is happiness attained? Students will explore these perennial philosophical questions through the ideas of ancient Greek, Roman, African, Mesoamerican, Asian, and Medieval philosophers. (UC, CSU, AVC)

PHIL 240 HISTORY OF MODERN PHILOSOPHY

3 Units

Total Course Lecture Hours 54

This course examines the progression of early modern philosophy in Europe from the 16th to 18th centuries. It traces debates during this period that shaped theories of knowledge, reality, and human nature. Students will study major rationalist and empiricist philosophers, analyzing their competing perspectives on epistemology and metaphysics. (UC, CSU, AVC)

PHIL 300 BIOETHICS

4 Units

Total Course Lecture Hours 72

Limitations on Enrollment: *Enrollment is limited to students accepted into the Respiratory Care Baccalaureate Degree Program.*

This advanced-level course, mandatory for students in the Bachelor of Science in Respiratory Care program, dives into the utilization of ethical theories and moral judgment in resolving dilemmas within healthcare settings. The curriculum emphasizes enhancing self-awareness, honing critical thinking skills, and refining the ability to express thoughtful, well-argued positions both verbally and in writing. Course topics span across the Hippocratic tradition, virtues of healthcare professionals, balance between paternalism and patient autonomy, informed consent, confidentiality, genetic and reproductive ethics, perspectives on disability, end-of-life care, considerations surrounding seriously ill newborns and medical errors, discussions on medical futility versus technological advancements, the value and sanctity of life, and ethical aspects of healthcare resource allocation. (CSU, AVC)

Department Description

The Photography program is directed toward individual artistic development with an emphasis on the student's ability to create independent works. This program will help students gain the skills and knowledge necessary to enter into the photographic workforce. The Photography program emphasizes technical skills in the operation of 35mm, medium and large-format cameras using film-based and digital camera systems. Digital imaging, editing and creative manipulations, and digital printing and color management technologies are provided from entry-level classes and throughout the entire curriculum. The program develops an appreciation for the historical and contemporary relevance of photography.

Program Learning Outcomes

Commercial Photography Cert & AA

1. Students will explore advances in photographic equipment and technology. (PHOT 107, SLO 3)
2. Students will demonstrate proficiency of fundamental aspects of Black and White photography. (PHTC 101, SLO 1)
3. Students will design, manipulate and digitally generate photographs using industry standard software and equipment. (PHTC 125, SLO 2)
4. Students will assess appropriate use of each type of camera in order to fit the environment for the best result. (PHTC 203, SLO 2)
5. Identify various career possibilities and industry leaders in the photographic industry. (PHTC 275, SLO3)

Certificate Programs

Commercial Photography Cert

Students who successfully complete the certificate requirements are qualified for entry-level positions in newspaper and periodical fields, advertising photography, or sports, events, and wedding photographers.

Program Requirements
Commercial Photography Cert (Total 30)
Complete all of the following

Required Courses (Total 27)	Units
Complete all of the following	
PHOT 107 - History of Photography	3
PHTC 101 - Beginning Black and White Photography	3
PHTC 125 - Beginning Digital Photography	3
PHTC 150 - Beginning Color Photography	3
PHTC 200 - The Business of Photography	3
PHTC 203 - Foundations of Cameras & Composition	3
PHTC 211 - Wedding, Portrait and Event Photography	3
PHTC 215 - Photography Studio Practices	3
PHTC 275 - Advanced Digital Photography	3

Program Electives (Total 3)	
Complete the following number of units: 3	
ART 100 - Art Appreciation	3
PHOT 213 - Life Photography	3
PHTC 201 - Advanced Black and White Photography	3
PHTC 205 - Documentary and Photojournalism	3
PHTC 298 - Special Studies in Photography	3

Recommended Pathway

First Semester	Units
PHOT 107 - History of Photography	3
PHTC 101 - Beginning Black and White Photography	3
	Total 6
Second Semester	
PHTC 150 - Beginning Color Photography	3
PHTC 125 - Beginning Digital Photography	3
	Total 6
Third Semester	
PHTC 203 - Foundations of Cameras & Composition	3
PHTC 215 - Photography Studio Practices	3
Program Electives (see list)	3
	Total 9
Fourth Semester	
PHTC 211 - Wedding, Portrait and Event Photography	3
PHTC 200 - The Business Of Photography	3
PHTC 275 - Advanced Digital Photography	3
	Total 9
	Certificate Total 30

Associate Degree

Commercial Photography AA

Students who complete the associate degree have enhanced employability in the field of photography and transfer to CSU. They are well prepared for promotional opportunities such as lead lab technician or supervisory positions. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Commercial Photography AA (Total 30)
Complete all of the following

Required Courses (Total 27)	Units
Complete all of the following	
PHOT 107 - History of Photography	3
PHTC 101 - Beginning Black and White Photography	3
PHTC 125 - Beginning Digital Photography	3
PHTC 150 - Beginning Color Photography	3
PHTC 200 - The Business Of Photography	3
PHTC 203 - Foundations of Cameras & Composition	3
PHTC 211 - Wedding, Portrait and Event Photography	3
PHTC 215 - Photography Studio Practices	3
PHTC 275 - Advanced Digital Photography	3

Program Electives (Total 3)	
Complete the following number of units: 3	
ART 100 - Art Appreciation	3
PHOT 213 - Life Photography	3
PHTC 201 - Advanced Black and White Photography	3
PHTC 205 - Documentary and Photojournalism	3
PHTC 298 - Special Studies in Photography	3

Recommended Pathway	
First Semester	**Units**
PHTC 101 - Beginning Black and White Photography	3
PHOT 107 - History of Photography	3
AVC GE Area 2	3
AVC GE Area 1A (ENGL C1000)	4
Program Electives (see list)	3
	Total 16
Second Semester	
PHTC 125 - Beginning Digital Photography	3
PHTC 150 - Beginning Color Photography	3
General Elective	3
General Elective	2
AVC GE Area 3	3
	Total 14
Third Semester	
PHTC 275 - Advanced Digital Photography	3
PHTC 203 - Foundations of Cameras & Composition	3
PHTC 215 - Photography Studio Practices	3
AVC GE Area 4	3
AVC GE Area 5	3
	Total 15
Fourth Semester	
PHTC 200 - The Business Of Photography	3
PHTC 211 - Wedding, Portrait and Event Photography	3
General Elective	3
AVC GE Area 6	3
AVC GE Area 1B	3
	Total 15
	Degree Total 60

Photography Courses

PHOT 107 HISTORY OF PHOTOGRAPHY

3 Units

Total Course Lecture Hours 54

In-depth study of the historical development of photographic process as an artistic image from the early 1800s to the present. This course will focus on worldwide artistic-photographic and social achievements of photographers. Within the context of the course, the contributions of both chemical and digital photographic techniques will be explored, as well as the relationship of the emergence of photographic imagery to other artistic media within a similar time period. (UC,CSU, AVC)

PHOT 213 LIFE PHOTOGRAPHY

3 Units

Total Course Lecture Hours 27

Total Course Lab Hours 81

Advisory: *Completion of ART 216*

Prerequisite: *Completion of PHTC 101 or PHTC 125.*

Instructional materials fee *of $30 is required for this course and must be paid at registration.*

This course is a basic photographic principles, theories and techniques used in representing the human figure using draped and undraped models. Projects emphasize the organization of the human figure as a 3D image and composition where the environmental factors of lighting, shading, and texture are combined to create an artistic representation. Both traditional and digital processing of the human image will be studied. Course helps students develop creative thinking and idea execution. Students are required to purchase additional supplies not provided by the college. (CSU, AVC)

Commercial Photography Courses

PHTC 101 BEGINNING BLACK AND WHITE PHOTOGRAPHY

3 Units

Total Course Lecture Hours 27

Total Course Lab Hours 81

Instructional materials fee *of $30.00 is required for this course and must be paid at registration.*

This course offers introduction on the use of traditional black and white film techniques, including processing film, silver gelatin printing and related techniques. The beginning photographer will learn basic camera functions, fundamental darkroom skills and black-and-white film processing and darkroom printing techniques. The emphasis is primarily technical, although aesthetics, composition, and contemporary issues in photography will be covered through class critiques and discussions. Topics of discussion will include photographic genres, the photo essay, editing and sequencing a body of work, personal visions, social and political context, documentary versus art photography. (CSU, AVC)

PHTC 125 BEGINNING DIGITAL PHOTOGRAPHY

3 Units

Total Course Lecture Hours 27

Total Course Lab Hours 81

Instructional materials fee *of $30.00 is required for this course and must be paid at registration.*

This course covers beginning photographic theory and practice in contemporary uses of digital cameras as a creative and vocational medium to create photographic images. Students receive instruction in digital photographic techniques through assignments that build beginning technical and conceptual skills using industry standard digital cameras, Adobe Lightroom/Photoshop software to edit and distribute digital images. This course helps students develop creative thinking and idea execution. (CSU, AVC)

PHTC 150 BEGINNING COLOR PHOTOGRAPHY

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of PHTC 101*
Instructional materials fee *of $30.00 is required for this course and must be paid at registration.*
An introduction to basic color photography technology. This is an intermediate Photography course that teaches Adobe Lightroom and Photoshop for photographers. Students create projects using film and digital images, using Adobe Lightroom to organize and edit photos, and Photoshop to retouch and enhance their images. Basic image exporting and printing are covered. Photographic works are presented and discussed to provide a context for the production and critique of photographic images. This is required for photography majors. (CSU, AVC)

PHTC 200 THE BUSINESS OF PHOTOGRAPHY

3 Units
Total Course Lecture Hours 54
Prerequisite: *Completion of PHTC 125, PHTC 203, and PHTC 215.*
Instructional materials fee *of $30.00 is required for this course and must be paid at registration.*
The Business of Photography is an advanced photography course covering principles and practices within the field for hire or exhibition. Students produce artist resumes and artist statements related to their work. Course includes Social Media, promotion, portfolio layout, releases, estimates, invoices, gallery negotiations, and image licensing issues for photographers. Students must have a developed body of photographic work that will be used for class projects. This course is a capstone course. (CSU, AVC)

PHTC 201 ADVANCED BLACK AND WHITE PHOTOGRAPHY

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of PHTC 101.*
Instructional materials fee *of $30.00 is required for this course and must be paid at registration.*
This course concentrates on advanced theory and practice of black and white (B&W) photography including professional applications, specialized processes, and mastery of dark room skills with an emphasis on individual expression. Topics include advanced printing techniques, film, paper types, toners, refining printing techniques and Zone System practices, thematic projects, portfolio development and archival processing. This course is designed for advanced photography students. (CSU, AVC)

PHTC 203 FOUNDATIONS OF CAMERAS & COMPOSITION

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Completion of PHTC 101 or PHTC 125*
Instructional materials fee *of $30.00 is required for this course and must be paid at registration.*
Survey of 35mm digital and film cameras, 2 ¼ Medium and 4x5 large format film cameras are examined. The course discusses the integration of mechanical and artistic principles in creating photographic images. It provides information applicable to digital and film cameras, lenses, exposure, and conceptual development. Students may also research photographic bodies of work that have had a large impact on society. Students are required to purchase additional supplies not provided by the college. (CSU, AVC)

PHTC 205 DOCUMENTARY AND PHOTOJOURNALISM

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Advisory: *Completion of PHTC 101 or PHTC 125.*
Instructional materials fee *of $30.00 is required for this course and must be paid at registration.*
This course surveys documentary and photojournalism genre photography for its aesthetic, political, and social impact. Students may also research photographic bodies of work that have had a large impact on society. (CSU, AVC)

PHTC 211 WEDDING, PORTRAIT AND EVENT PHOTOGRAPHY

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of PHTC 101 and/or PHTC 125.*
Instructional materials fee *of $30.00 is required for this course and must be paid at registration.*
The course discusses the integration of mechanical and artistic principles in creating photographic images related to wedding, portrait and event photography. It provides information applicable to digital and film cameras, lenses, exposure, and conceptual development. Students are required to purchase additional supplies not provided by the college. Students should have preliminary knowledge in the use of Apple Computers. Students will receive instruction in foundational editing techniques in Adobe Photoshop and Lightroom. (CSU, AVC)

PHTC 215 PHOTOGRAPHY STUDIO PRACTICES

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of PHTC 101 or PHTC 125.*
Instructional materials fee *of $30.00 is required for this course and must be paid at registration.*
This course is an exploration of the photographic studio. Students will be introduced to studio lighting equipment and the principles of traditional lighting methods as well as contemporary commercial applications. Topics will vary per semester and individual student. Students are required to purchase additional supplies not provided by the college. (CSU, AVC)

PHTC 275 ADVANCED DIGITAL PHOTOGRAPHY

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of PHTC 125.*
Instructional materials fee *of $30.00 is required for this course and must be paid at registration.*
The course covers advanced digital photography theory and practice in the contemporary use of the digital camera to create photographic images. Students receive instruction in digital photography techniques through assignments that build advanced technical skills. Topics covered: digital 35mm, medium and large format cameras, Leaf digital back, Apple Computers in order to use Adobe Photoshop/Lightroom for editing. Course provides experience with professional photography equipment and helps students develop creative thinking, idea execution and preparation to enter the photography professional work force. Students are required to purchase additional supplies. (CSU, AVC)

PHTC 298 SPECIAL STUDIES IN PHOTOGRAPHY

3 Units
Total Course Lecture Hours 27
Total Course Lab Hours 81
Prerequisite: *Completion of PHTC 101 or PHTC 125*
Instructional materials fee *of $30.00 is required for this course and must be paid at registration.*
This class is an exploration of various techniques and subjects related to photography and photographic processes. Topics will vary per semester and individual student. Content and unit credit to be determined by student/ instructor conferences and/or department. Students are required to purchase additional supplies not provided by college. (CSU, AVC)

Department Description

Physical sciences are those disciplines of the natural sciences other than the biological sciences.

Physical sciences offered include: astronomy, physical science, and physics. The courses are designed to meet the general education and major transfer requirements for the physical sciences. Students can also earn an Associate's Degree for Transfer in Physics articulated with all CSUs.

Students are expected to be fully engaged during the teaching and learning process, and traditional lectures may be supplemented with computer and Internet-based instruction. Laboratory activities provide "hands-on" experimentation and discovery into the natural, physical, and chemical characteristics of the earth and our universe.

Associate Degree/Certificate

No degrees or certificates are currently offered.

Physical Science Courses

PSCI 101 PHYSICAL SCIENCE

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Advisory: *Completion of ENGL C1000 or ENGL C1000H and intermediate algebra or placement by multiple measures.*

Designed to meet lower division physical science requirements for the non-science major. Introduces basic concepts in physics and chemistry (motion, energy, atoms and chemical reactions) emphasizing concepts with a minimum of math. Especially recommended for students interested in teaching, library science, and humanities. (UC, CSU, AVC)

PSCI 302 INTRODUCTION TO QUANTITATIVE ATMOSPHERIC DYNAMICS AND THERMODYNAMICS

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be enrolled in an AVC bachelor's degree program to take this course.*

Prerequisite: *Completion of MATH 135 and PHYS 101.*

This course provides a quantitative understanding of general meteorology. It introduces the physics and thermodynamics of the atmosphere to understand the horizontal and vertical transport of atmospheric heat and momentum which are directly related to cyclones, anticyclones, hurricanes, weather fronts, mesoscale disturbances, severe storms, tornadoes, sea and land breezes, atmospheric boundary layer and turbulence. Insight into these mechanisms will be gained through the use of spreadsheet-based calculations by allowing relationships to be studied by plotting the data graphically and then explaining the meaning of those relationships using the graphs. Atmospheric thermodynamic processes will be quantified using various thermodynamic calculations and in some cases, computational diagrams such as the Skew-T and Stüve diagrams. (CSU, AVC)

Department Description

The Physics Department aims to give students a deep understanding of the fundamental principles governing the physical universe. Through a diverse range of courses students explore the laws of nature, the properties of matter and energy, and develop critical thinking skills essential for scientific inquiry. Students will explore a wide range of topics, including mechanics, electromagnetism, thermodynamics, and more. Through experimentation, problem-solving, and theoretical exploration, the Physics Department equips students with the knowledge and skills necessary to navigate the complexities of the world as we know it and contribute meaningfully to scientific advancement and innovation.

Program Learning Outcomes

Physics AS-T

1. Students will demonstrate an understanding of the fundamental principles and concepts of physics that include mechanics, electromagnetism, thermodynamics, modern physics, and quantum mechanics. (Knowledge-based PLO)
2. Students will competently apply this knowledge and analyze physical systems by constructing mathematical models in which they identify the essential aspects of a problem, formulate a strategy for solution, make appropriate approximations, evaluate the correctness of their solution, and communicate their work clearly.
3. Students will use basic computational techniques for modeling physical systems including those that don't have analytical answers. (Computational-PLO)
4. Students will explore physical systems by setting up experiments, collecting and analyzing data, identifying sources of uncertainty, and interpreting their results in terms of the fundamental principles and concepts of physics. (Experimental hands-on application)
5. Students will communicate physics concepts, processes, and results effectively, both verbally and in writing. (Communication PLO)

Associate Degree

Physics AS-T

The Associate in Science in Physics for Transfer (AS-T in Physics) offers students a fundamental knowledge of Physics and its relation to science, technology, and engineering. Students will enhance their problem-solving and critical thinking skills by applying mathematical models to real-world problems or utilizing mathematical objects and theorems to evaluate the validity of a statement or to prove mathematical statements.

The Associate in Science in Physics for Transfer (AS-T) meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to a California State University campus. Specifically, if a student completes an "associate degree for transfer":

To earn an Associate in Science in Physics for Transfer (AS-T in Physics) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.
- Minimum overall grade point average of 2.0

Program Requirements

Physics AS-T (Total 26)	**Units**
PHYS 110 - General Physics	4
PHYS 120 - General Physics	4
PHYS 211 - General Physics	5
MATH 150 - Calculus and Analytic Geometry	5
MATH 160 - Calculus and Analytic Geometry	4
MATH 250 - Calculus and Analytic Geometry	4

Recommended Pathway
Cal-GETC

Semester 1	**Units**
MATH 150 - Calculus and Analytic Geometry	5
Cal-GETC GE Area 1A (ENGL C1000)	3
Cal-GETC GE Area 4	3
Cal-GETC GE Area 3B	3
General Elective	1
	Total 15
Semester 2	
MATH 160 - Calculus and Analytic Geometry	4
PHYS 110 - General Physics	4
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 3A	3
	Total 14
Semester 3	
MATH 250 - Calculus and Analytic Geometry	4
PHYS 120 - General Physics	4
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 4	3
General Elective	3
	Total 17
Semester 4	
PHYS 211 - General Physics	5
Cal-GETC GE Area 6	3
Cal-GETC GE Area 5B	3
General Elective	3
	Total 14
	Degree Total 60

Physics Courses

PHYS 101 INTRODUCTORY PHYSICS

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Advisory: *Completion of MATH 135 or MATH 140*

This course is the first part of a two-semester algebra-trig introductory physics course. Topics covered are: kinematics, Newton's laws, statics, linear momentum, linear-rotational analogs, rotational dynamics, energy and its transformation, gravitation, fluids, heat and thermodynamics. (C-ID: PHYS 105) (UC, CSU, AVC)

PHYS 102 INTRODUCTORY PHYSICS

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Prerequisite: *Completion of PHYS 101.*
This course is the second part of a two-semester algebra-trig introductory physics course. Topics covered are mechanical waves, sound, electrostatics, current and DC circuits, magnetism, light and optics, and modern physics. (C-ID: PHYS 110) (UC, CSU, AVC)

PHYS 110 GENERAL PHYSICS

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Advisory: *Completion of PSCI 101. Eligibility of ENGLC 1000 or ENGLC 1000H or placement by multiple measures.*
Prerequisite: *Completion of or concurrent enrollment in MATH 150 or MATH 150H.*
This course is the first part of a three-semester calculus-based introductory physics course for scientists and engineers. Topics covered are kinematics, Newton's laws, statics, linear momentum, linear-rotational analogs, rotational dynamics, energy and its transformation, fluids, gravitation, and oscillations. (C-ID: PHYS 205) (UC, CSU, AVC)

PHYS 120 GENERAL PHYSICS

4 Units
Total Course Lecture Hours 54
Total Course Lab Hours 54
Advisory: *Eligibility for ENGLC 1000 or ENGLC 1000H or placement by multiple measures.*
Prerequisite: *Completion of PHYS 110. Completion of or concurrent enrollment in MATH 160.*
This course is the second part of a three-semester calculus-based introductory physics course for scientists and engineers. Topics covered are: electrostatics, electric fields and potentials, capacitance, resistance and current, DC circuits, magnetic fields, magnetic induction, Maxwell's Laws, and AC circuits. (C-ID: PHYS 210) (UC, CSU, AVC)

PHYS 211 GENERAL PHYSICS

5 Units
Total Course Lecture Hours 72
Total Course Lab Hours 54
Advisory: *Completion of MATH 220.*
Prerequisite: *Completion of PHYS 110. Completion of or concurrent enrollment in MATH 160.*
This course covers geometric optics, lenses, mirrors, optical instruments, wave optics/physical optics and laws of thermodynamics. In addition to these areas, the course contains selected topics from modern physics. These include special relativity, quantum mechanics, atomic physics, condensed matter/solid state physics, nuclear physics and particle physics. (C-ID: PHYS 215) (UC, CSU, AVC)

Department Description

Political Science is the study of the use of public power and authority. Politics and government affect life and impinge on many fields. Introductory courses are offered for those interested in learning about the American Government and different political systems. In-depth courses are offered for Political Science majors. The major is especially desirable for students who might work for the government, be commissioned as military officers, or intend to become lawyers. A minor in Political Science is useful in economics, journalism, and language, or for those who hope to become executives in law enforcement or in many types of businesses.

Program Learning Outcomes

Law, Public Policy, and Society AA-T

1. Students will develop communication skills and demonstrate the ability to effectively write and speak to persuade a diversity of audiences. The development of communication skills will also include demonstration of the ability to analyze, criticize, and advocate for ideas, to communicate for a variety of purposes, to read and comprehend a diversity of texts, and to think critically. Additionally, students will demonstrate the ability to develop awareness of society and its historical roots, as well as to appreciate diversity and to be sensitive to the impact of race, sex, and class on the American experience. Through this program, students will demonstrate the ability to organize information, to engage in argumentation to support a position, to evaluate and cite sources, to explain the historical development of American institutions in law and society, to demonstrate facility with numbers, and to conduct research.
2. Students will have an understanding of law, public policy, and ethics in contemporary society, including an introduction to the legal field.
3. Students will demonstrate the ability to identify and explain the ideas and institutions that make up the American political system, including the legal field, to describe the evolution of civil liberties and rights in the United States and apply this knowledge to current events and legal issues, and to recognize the role of public opinion, interest groups, ethics and political parties regarding the electoral process, law, and public policy in society.
4. Students will demonstrate knowledge of the field of law and the various classifications of the law, including being able to distinguish among the various parts of a contract.

Political Science AA-T

1. Students will demonstrate an awareness of the methods of inquiry used by professional political scientists.
2. Students will be able to critically analyze and synthesize the works of political scientists in the various subfields of the discipline.
3. Students will develop an understanding of the political science major and the career options in the field.

Associate Degrees

Law, Public Policy, and Society AA-T

The Associate in Arts in Law, Public Policy, and Society for Transfer (AD-T) Degree also provides a solid preparation appropriate for a variety of scientific disciplines. The Associate in Arts in Law, Public Policy, and Society for Transfer degree (AD-T in Law, Public Policy, and Society) provides students with a major that fulfills the general requirements of the California State University for transfer, and students with the Associate in Arts in Law, Public Policy, and Society for Transfer degree.

The Associate in Arts in Law, Public Policy, and Society for Transfer (AD-T) Degree meets the requirements of SB 1440 for Associate Degrees for Transfer (AD-T). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn the Associate of Arts in Law, Public Policy, and Society for Transfer (AD-T in Law, Public Policy, and Society) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Law, Public Policy, and Society (Total 32)
Complete all of the following

Understanding the Law-Choose One (Total 3)	**Units**
Complete the following number of units: 3	
AJ 101 - Introduction to Administration of Justice	3
AJ 102 - Criminal Law	3
BUS 201 - Business Law	3
BUS 201H - Business Law Honors	3
POLS 203 - The Judicial Process	3

Ethics-Choose One (Total 3)	
Complete the following number of units: 3	
PHIL 105 - Ethics: Moral Issues in Contemporary Society	3
PHIL 105H - Ethics: Moral Issues in Society Honors	3

Oral Communication -Choose One (Total 3)	
Complete the following number of units: 3	
COMM C1000 - Introduction to Public Speaking	3
COMM C1000H - Introduction to Public Speaking - Honors	3
COMM 109 - Small Group Communication	3
COMM 115 - Introduction to Argumentation and Debate	3

Written Communication-Choose One (Total 4)	
Complete the following number of units: 4	
ENGL C1000 - Academic Reading and Writing	4
ENGL C1000H - Academic Reading and Writing - Honors	4

Critical Thinking-Choose One (Total 3)	
Complete the following number of units: 3	
COMM 110 - Persuasion	3
ENGL C1001 - Critical Thinking and Writing	3
ENGL C1001H - Critical Thinking and Writing - Honors	3
PHIL 110 - Introduction to Logic	3

Quantitative Reasoning-Choose One (Total 4)	
Complete the following number of units: 4	
STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4
MATH 116 - Introduction to Statistics Using R	4

US History-Choose One (Total 3)
Complete the following number of units: 3

HIST C1001 - United States History to 1877	3
HIST C1001H - United States History to 1877 - Honors	3
HIST C1002 - United States History since 1865	3
HIST C1002H - United States History since 1865 - Honors	3

Choose One: (Total 3)
Complete the following number of units: 3

POLS C1000 - American Government and Politics	3
POLS C1000H - American Government and Politics - Honors	3

Electives List A-Select two courses (6 units) from two of the areas listed below: (NOTE: courses must not have been used above.) (Total 6)
Complete the following number of units: 6
Area 1: Administrative of Justice/Criminal Justice/ Criminology (Total 3)
Complete the following number of units: 3

AJ 101 - Introduction to Administration of Justice	3
AJ 102 - Criminal Law	3
AJ 103 - Criminal Evidence	3
AJ 104 - Introduction to Corrections	3
AJ 201 - Modern Policing in Society	3
AJ 204 - Juvenile Procedures	3
AJ 206 - Criminology	3

Area 2: Business (Total 3)
Complete the following number of units: 3

BUS 201 - Business Law	3
BUS 201H - Business Law Honors	3

Area 3: Economics (Total 3)
Complete the following number of units: 3

ECON C2001 - Principles of Microeconomics	3
ECON C2001H - Principles of Microeconomics - Honors	3
ECON C2002 - Principles of Macroeconomics	3
ECON C2002H - Principles of Macroeconomics - Honors	3

Area: 4 Political Science (Total 3)
Complete the following number of units: 3

POLS 103 - Comparative Government	3
POLS 200 - Intro to Political Theory	3
POLS 201 - Contemporary International Relations	3

Area 5: Public Policy (Total 3)
Complete the following number of units: 3

COMM 215 - Public Relations Communication	3
SOC 112 - American Social Issues: Problems and Challenges	3

Area 6: Diversity (Total 3)
Complete the following number of units: 3

ANTH 102 - Introduction to Cultural Anthropology	3
COMM 219 - Introduction to Intercultural Communication	3
GEOG 105 - Cultural Geography	3
POLS 202 - Ethnic Politics in America	3
SOC 110 - Ethnic Relations	3
SOC 116 - Sociology of Gender and Sexuality	3

Area 7: College Success (Total 3)
Complete the following number of units: 3

HD 101 - College and Life Management	3
HD 102 - Soldiers to Scholars	3

Area 8: Internship/Fieldwork (Total 1 - 8)
Complete the following number of units: 1-8

POLS 199 - Work Experience Education	1 - 8

Recommended Pathway

Semester 1	**Units**
Ethics (PHIL 105 ***OR*** PHIL 105H)	3
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 1C	3
Area 7: College Success (HD 101)	3
Cal-GETC GE Area 4 (POLS C1000)	3
	Total 16
Semester 2	
Understanding the Law (POLS 203)	3
Cal-GETC GE Area 2 (STAT C1000)	4
Cal-GETC GE Area 3B (HIST C1002)	3
Cal-GETC GE Area 1B (ENGL C1001)	3
	Total 13
Semester 3	
Oral Communication (see list)	3
Cal-GETC GE Area 5A	3
Cal-GETC GE Area 3A	3
Cal-GETC GE Area 4 (AJ 206)	3
General Elective	3
	Total 15
Semester 4	
Cal-GETC GE Area 6	3
Cal-GETC GE Area 5C	1
Cal-GETC GE Area 5B	3
General Elective	3
General Elective	3
General Elective	3
	Total 16
	Degree Total 60

Political Science AA-T

Political Science is the study of the acquisition and use of public power and authority. Politics and government affect everyone's life and impinge on activities in many fields. Political science is concerned with the objectives and ends of politics and the way in which political society should be organized in order to realize those objectives and ends. Courses in political science enable students to study and understand how political and governmental institutions make and implement decisions and the effects those decisions have on individual, group, and societal behavior. The Associate in Arts in Political Science for Transfer (AA-T in Political Science) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn an Associate in Arts in Political Science for Transfer (AA-T in Political Science) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Political Science AA-T (Total core 19)
Complete all of the following

Required Courses (Total 12)	**Units**
Complete the following number of units: 12	
Required Course - Choose One (Total 3)	
Complete the following number of units: 3	
POLS C1000 - American Government and Politics	3
POLS C1000H - American Government and Politics - Honors	3
Required Courses (Total 9)	
Complete all of the following	
POLS 200 - Introduction to Political Theory	3
POLS 201 - Contemporary International Relations	3
POLS 103 - Comparative Government	3

Required Electives A (Total 4)	
Complete the following number of units: 4	
STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4
MATH 116 - Introduction to Statistics Using R	4

Required Electives B (Total 3)	
Complete the following number of units: 3	
ANTH 102 - Introduction to Cultural Anthropology	3
ECON C2002 - Principles of Macroeconomics	3
ECON C2002H - Principles of Macroeconomics - Honors	3
ECON C2001 - Principles of Microeconomics	3
ECON C2001H - Principles of Microeconomics - Honors	3
POLS 202 - Ethnic Politics in America	3
POLS 203 - The Judicial Process	3
SOC 110 - Ethnic Relations	3
SOC 112 - American Social Issues: Problems and Challenges	3

Recommended Pathway

Term 1	**Units**
Cal-GETC GE Area 4 (POLS C1000)	3
Cal-GETC GE Area 2 (STAT C1000)	4
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 1C	3
General Elective	1
Total	**15**
Term 2	
Cal-GETC GE Area 3B	3
Cal-GETC GE Area 1B	3
POLS 103 - Comparative Government	3
Cal-GETC GE Area 4	3
Cal-GETC GE Area 3A	3
Total	**15**
Term 3	
POLS 200 - Introduction to Political Theory	3
POLS 201 - Contemporary International Relations	3
Cal-GETC GE Area 5A	3
General Elective	3
General Elective	3
Total	**15**
Term 4	
Cal-GETC GE Area 5B	3
Cal-GETC GE Area 5C	1
Cal-GETC GE Area 6	3
Required Electives B (see list)	3
General Elective	3
General Elective	2
Total	**15**
Degree Total	**60**

Political Science Courses

POLS 103 COMPARATIVE GOVERNMENT

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of POLS C1000 OR POLS C1000H.*

This course compares and analyzes major political systems within developing industrialized states, communist and post-communist systems, and liberal democracies. Focus is on various political institutions such as presidential and parliamentary systems, federalism and unitary systems, and written constitutions and unwritten constitutions. The course examines various electoral, party, legislative, and judicial systems. Emphasis is placed on states that use different political and economic systems such as democracy, republicanism, communism, authoritarianism, capitalism, and socialism within the global arena. Finally, the course explores the status of comparative politics in the coming decade. (C-ID: POLS 130) (UC, CSU, AVC)

POLS 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

Limitation On Enrollment: *To participate in work experience education, students must have a paid or unpaid job or internship and have the approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students with a realistic learning experience through work in the government environment. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as employees in various situations and jobs in the government field. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the government environment. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

POLS 200 INTRODUCTION TO POLITICAL THEORY

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of POLS C1000.*

This course analyzes selected political thinkers from Plato to the present. Some of the political themes covered in the course are liberty, justice, authority, rights, legitimacy and citizenship. The various themes are examined and discussed in the context of politics and government. Emphasis is placed on how various political philosophers argue their views, whom they are addressing and how they can be interpreted. (C-ID: POLS 120) (UC, CSU, AVC)

POLS 201 CONTEMPORARY INTERNATIONAL RELATIONS

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of POLS C1000 (POLS 101) or POLS 103*

This course examines and evaluates contemporary international relations and addresses the current problems, issues, and trends within the global arena. Focus is on concepts of sovereignty, security, power, diplomacy, war, terrorism and globalization. There is a review of the development of the post-World War II political system and the challenges presented to the international system during and after the Cold War. Recent and current global issues, problems, and challenges are examined in addition to a focused overview of regional concerns. Regions that might be examined include the Middle East, Central America, and Africa; other regional conflicts will be examined within the context of the international political and economic system. Moreover, the course examines various international and regional organizations that act as an infrastructure in the attempt to bring international and regional stability and order in the contemporary world. Finally, the course explores the status of contemporary international relations in the coming decade. (C-ID: POLS 140) (UC, CSU, AVC)

POLS 202 ETHNIC POLITICS IN AMERICA

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of POLS C1000 or POLS C1000H.*

This course offers an examination and evaluation of the political power and powerlessness of America's diverse ethnic communities. This American experience of these groups will be examined along with the political realities and dynamics of each group's role within the American governmental and political system. The ethnic groups to be reviewed include American Native peoples, Blacks, Hispanics, and Asians. Moreover, new migrations from the Indian subcontinent as well as Muslim and Arab countries will be examined and evaluated within the context of the American political process. The changing demographic nature of America will provide the backdrop for explaining the new political forces and electoral consequences emerging as the result of the new American ethnic diversity. The power, powerlessness, and role of America's ethnic groups will be examined at the national, state, and local levels. (UC, CSU, AVC)

POLS 203 THE JUDICIAL PROCESS

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of POLS 101*

The course examines and evaluates both the United States and California judicial systems. Topics include the nature of law and jurisprudence, the origins and development of Anglo-American law, the organization of both the federal and California judicial systems, judicial appointment and removal, attorneys, lawsuits, and public issues, the jury system, judicial decision-making, judicial reform, and topics in Constitutional law. Review of basic legal reasoning and introductory research methods. Includes introduction to case law pertaining to the Bill of Rights, Criminal Justice, Freedom of Expression, Equal Protection, the Commerce Clause, and other important areas of law. The course is primarily for transfer students but is valuable for those seeking terminal vocational career objectives such as those found in administration of justice fields. This course is valuable for transfer students, political science majors, those seeking to fulfill general education pattern requirements and associate in arts degree candidates. (UC, CSU, AVC)

POLS C1000 AMERICAN GOVERNMENT AND POLITICS

3 Units

Total Course Lecture Hours 54

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology.

Analysis of the national government of the United States and of the government of California, the structure and interaction of legislative, executive, and judicial branches and the processes of government in the contemporary world. Treatment of American institutions as documented in the Constitution of the United States. Formerly POLS 101 (C-ID: POLS 110) (UC, CSU, AVC)

POLS C1000H AMERICAN GOVERNMENT AND POLITICS - HONORS

3 Units

Total Course Lecture Hours 54

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. This is an honors course.

This honors course, intended for students in the Honors Transfer Program. Analysis of the national government of the United States and of the government of California, the structure and interaction of legislative, executive, and judicial branches and the processes of government in the contemporary world. Treatment of American institutions as documented in the Constitution of the United States. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. Formerly POLS 101H (C-ID: POLS 110) (UC, CSU, AVC)

Note: Students may take either POLS C1000 American Government and Politics or POLS C1000H American Government and Politics - Honors. Duplicate credit will not be awarded.

Department Description

Psychology is a natural and social science focusing on the study of human behavior. As such, it is a broad discipline which involves both scientific method and practical application of science to matters of everyday living. Most professional-level positions require a graduate degree.

The Psychology program is designed to benefit both the student pursuing a career in psychology or related disciplines as well as the student desiring to acquire a personal understanding of psychology as it applies to everyday living. The program includes a variety of courses and utilizes a number of teaching methods, including those which emphasize student participation through group and individual activity.

Please note: PSY 301 is limited to students in a bachelor's degree program.

Program Learning Outcomes

Alcohol and Other Drug Studies (AODS) Cert

1. Students will demonstrate ethical decision-making abilities.
2. Students will define the role of an addiction counselor.
3. Students will analyze and discuss issues faced by addiction counselors.

Case Management Work Readiness Cert (Noncredit)

1. Demonstrate the skills of effective oral and written communication.
2. Students will name three attitudes and barriers to effective collaboration.
3. Complete a standard intake form including basic demographic information.
4. Accurately perform/use assessment/screen tools of case management.
5. Compose a referral document inclusive of appropriate rationale and listing supporting documents.
6. Demonstrate basic understanding of wordprocessing, spreadsheet, and email software skills to communicate effectively and efficiently in the workplace.

Human Services AA

1. Students will demonstrate ethical decision-making abilities.
2. Students will define issues faced by human services professionals.
3. Students will analyze diversity, culture, power, and equity regarding typical services provided by human services professionals.

Psychology AA-T

1. Write an APA style research paper that reviews, synthesizes, and critiques psychological findings.
2. Critically evaluate the design, methodology, findings, and generalizability of research reports.
3. Evaluate the major theoretical perspectives, history, and research methodology commonly used in the field of psychology

Certificate Program

Alcohol and Other Drug Studies (AODS) Cert

Antelope Valley College's AODS courses prepare students to provide entry-level services in a variety of addiction-related programs including court-mandated, public, and private agencies for alcohol and drug intervention, treatment, and prevention. Courses help prepare students to work in agencies that provide intake, assessment, detoxification, impaired driver interventions, drug testing, crisis intervention, inpatient and outpatient rehabilitation, sober living services, relapse prevention, counseling, and family recovery.

Program Requirements
Alcohol and Other Drug Studies (AODS) (Total 42)
Complete all of the following

Program Requirements (Total 36)	**Units**
Complete all of the following	
PSY 102 - Introduction to Alcohol and Other Drug Studies	3
PSY 103 - The Physiology and Pharmacology of Psychoactive Drugs	3
PSY 104 - Prevention, Intervention, and Education	3
PSY 105 - Group Leadership and Process	3
PSY 106 - Case Management, Law and Ethics	3
PSY 107 - Chemical Dependency Family Counseling	3
PSY 108 - Introduction to Psychological and Social Services	4
PSY 109 - Directed Field Experience I	5
PSY 110 - Directed Field Experience II	6
PSY 234 - Abnormal Psychology	3

Pick One (Total 3)	
Complete the following number of units: 3	
PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3

Program Electives-Choose a Course: (Total 3)	
Complete the following number of units: 3	
SOC 112 - American Social Issues: Problems and Challenges	3
SOCI C1000 - Introduction to Sociology	3
SOCI C1000H - Introduction to Sociology - Honors	3

Recommended Pathway

Term 1	**Units**
PSY 102 - Introduction to Alcohol and Other Drug Studies	3
PSY 104 - Prevention, Intervention, and Education	3
Pick One (PSYC C1000 ***OR*** PSYC C1000H	3
	Total 9
Term 2	
PSY 103 - The Physiology and Pharmacology of Psychoactive Drugs	3
PSY 106 - Case Management, Law and Ethics	3
Program Electives (see list)	3
	Total 9
Term 3	
PSY 105 - Group Leadership and Process	3
PSY 108 - Introduction to Psychological and Social Services	4
PSY 234 - Abnormal Psychology	3
	Total 10
Term 4	
PSY 107 - Chemical Dependency Family Counseling	3
PSY 109 - Directed Field Experience I	5
	Total 8
Term 5	
PSY 110 - Directed Field Experience II	6
	Total 6
	Certificate Total 42

Case Management Work Readiness Cert (Noncredit)

This program aims to prepare students for working in human services environment. Students will be learning basic computer and application software for the office environment, communication, career readiness, intake, assessment, and referral techniques.

Program Requirements

Required Courses (Total 378)	**Hours**
Complete all of the following	
BUS 999 - Map for Workplace Success	108
CA 998 - Computers, Application Software, and Technology for Beginners	108
PSY 900 - Case Management Essentials	162

Recommended Pathway

Term 1	**Hours**
BUS 999 - Map for Workplace Success	108
CA 998 - Computers, Application Software, and Technology for Beginners	108
PSY 900 - Case Management Essentials	162
	Total 378

Associate Degree

Human Services

Students interested in working with people in service-oriented professions will find Human Services an excellent path to entering the helping profession. Studies in ethics, psychology, sociology and effective communication are core components of the courses in this degree. Students majoring in Human Services will be prepared to enter positions in not-for-profit organizations, community and human services organizations, and related areas that provide services to individuals, families, and the community. Some positions include community advocates, peer counselors, case management aides, and social-services technicians. The requirements for an associate degree in human services may be satisfied by completing 34 units of required coursework, 6 units of program electives, and required general education courses to total 60 units. (See Graduation/Associate Degree Requirements.)

Program Requirements
Required Courses (Total 40)
Complete all of the following

Required Core (Total 34)	
Complete all of the following	**Units**
Required Courses (Total 21)	
Complete all of the following	
DFST 105 - Introduction to American Deaf Culture	3
PSY 106 - Case Management, Law and Ethics	3
PSY 108 - Introduction to Psychological and Social Services	4
PSY 109 - Directed Field Experience I	5
PSY 110 - Directed Field Experience II	6
Required Course - Choose one (Total 3)	
Complete the following number of units: 3	
ECON C2002 - Principles of Macroeconomics	3
ECON C2002H - Principles of Macroeconomics - Honors	3
Required Course - Choose one (Total 3)	
Complete the following number of units: 3	
PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3
Required Course - Choose one (Total 3)	
Complete the following number of units: 3	
SOCI C1000 - Introduction to Sociology	3
SOCI C1000H - Introduction to Sociology - Honors	3
Required Course - Choose one (Total 4)	
Complete the following number of units: 4	
STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4
Program Electives (Total 6)	
Complete the following number of units: 6	
Program Electives (Total 0 - 6)	
Complete the following number of units: 0-6	
AJ 101 - Introduction to Administration of Justice	3
CFE 102 - The Developing Child-Child Growth and Development	3
CFE 103 - The Child in Family and Community Relationship	3
ENGL C1001 - Critical Thinking and Writing	3
PSY 102 - Introduction to Alcohol and Other Drug Studies	3
PSY 104 - Prevention, Intervention, and Education	3
PSY 234 - Abnormal Psychology	3
SOC 110 - Ethnic Relations	3
SOC 111 - Issues and Concepts in Aging	3
Program Electives: Choose up to one (Total 0 - 3)	
Complete the following number of units: 0-3	
HIST C1002 - United States History since 1865	3
HIST C1002H - United States History since 1865 - Honors	3
Program Electives: Choose up to one (Total 0 - 3)	
Complete the following number of units: 0-3	
HIST C1001 - United States History to 1877	3
HIST C1001H - United States History to 1877 - Honors	3

Recommended Pathway

Term 1	**Units**
PSYC C1000 - Introduction to Psychology	3
ECON C2002 - Principles of Macroeconomics	3
PSY 106 - Case Management, Law and Ethics	3
AVC GE Area 1A (ENGL C1000)	4
General Elective	3
	Total 16
Term 2	
SOCI C1000 - Introduction to Sociology	3
PSY 108 - Introduction to Psychological and Social Services	4
AVC GE Area 2 (STAT C1000)	4
AVC GE Area 6	3
	Total 14
Term 3	
PSY 109 - Directed Field Experience I	5
AVC GE Area 3	3
AVC GE Area 4 (DFST 105)	3
AVC GE Area 5	3
General Elective	1
	Total 15
Term 4	
PSY 110 - Directed Field Experience II	6
AVC GE Area 1B	3
Program Electives (see list)	3
Program Electives (see list)	3
	Total 15
	Total Degree 60

Psychology AA-T

The Associate in Arts for Psychology for Transfer (AA-T in Psychology) offers students a fundamental knowledge of the field in Psychology and the various branches including scientific and research methods, counseling, biopsychology, psychological development across the lifespan, mental disorders and the relationship to sociology. Further students will gain the knowledge to apply psychological theories to their personal lives and current societal issues.

The Associate in Arts in Psychology for Transfer (AA-T in Psychology) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn an Associate in Arts in Psychology for Transfer (AA-T in Psychology) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Psychology AA-T (Total 19)
Complete all of the following

Required Courses (Total 6)	**Units**
Complete the following number of units: 6	
PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3
PSY 200 - Introduction to Research Methods in Psychology	3

Math Option (Total 4)	
Complete the following number of units: 4	
STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4
MATH 116 - Introduction to Statistics Using R	4

Required Electives List A (Total 3)	
Complete the following number of units: 3	
PSY 201 - Introduction to Physiological Psychology	3

Required Electives List B *OR* any list A course not already used. (Total 3)	
Complete the following number of units:3	
PSY 236 - Developmental Psychology	3
PSY 244 - Introduction to Counseling	3

Required Electives List C *OR* any list A or B course not already used (Total 3)	
Complete the following number of units: 3	
PSY 212 - Human Sexuality	3
PSY 230 - Social Psychology	3
PSY 232 - Theories of Personality	3
PSY 233 - Personal and Social Adjustment	3
PSY 234 - Abnormal Psychology	3
PSY 235 - Child Psychology	3

Recommended Pathway	
Term 1	**Units**
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 3A	3
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 4 (PSYC C1000)	3
General Elective	3
	Total 16
Term 2	
Cal-GETC GE Area 2 (STAT C1000)	4
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 5B (BIOL 102)	4
General Elective	3
	Total 14
Term 3	
Required Electives List A (PSY 201)	3
PSY 200 - Introduction to Research Methods in Psychology	3
Cal-GETC GE Area 3B	3
Cal-GETC GE Area 4	3
General Elective	3
	Total 15
Term 4	
Required Electives List B (PSY 236)	3
Required Electives List C (see list)	3
Cal-GETC GE Area 5A	3
Cal-GETC GE Area 6	3
General Elective	3
	Total 15
	Degree Total 60

Psychology Courses

PSY 102 INTRODUCTION TO ALCOHOL AND OTHER DRUG STUDIES

3 Units

Total Course Lecture Hours 54

This course is a study of the basic concepts of chemical dependency. Biological, psychological and socio-cultural factors of drug abuse and dependence will be explored. The impact of addiction on families and society; contemporary treatment techniques, and the addiction counseling profession will be covered. Students interested in being certified as a drug and alcohol counselor should begin with this course. This course is also appropriate for all students interested in learning more about alcohol and other drug uses, abuse and dependency. (UC, CSU, AVC)

PSY 103 THE PHYSIOLOGY AND PHARMACOLOGY OF PSYCHOACTIVE DRUGS

3 Units

Total Course Lecture Hours 54

This course will examine how psychoactive drugs affect the nervous system. Ways of classifying drugs will be identified including the processes of physical and psychological dependence, tolerance, withdrawal, and genetic predispositions. Temporary and long-term affective, behavioral, cognitive, biological, and social consequences of psychoactive drug use will be explored. Medical and pharmacological resources in the treatment of substance use disorders and special service needs when working with clients who may be HIV, hepatitis, STD, or tuberculosis positive will also be reviewed. (UC, CSU, AVC)

PSY 104 PREVENTION, INTERVENTION, AND EDUCATION

3 Units

Total Course Lecture Hours 54

This course will review historical and contemporary approaches to chemical dependency, including prevention, intervention, and education. It will analyze the progression of substance abuse and chemical dependency disorders and will evaluate types of prevention, education, and intervention strategies. (UC, CSU, AVC)

PSY 105 GROUP LEADERSHIP AND PROCESS

3 Units

Total Course Lecture Hours 54

An introduction to the dynamics of group interaction, with emphasis upon the individual's firsthand experience as the group studies itself under supervision. Problems of communication, effective emotional responses, and personal growth will be highlighted. The emphasis will be upon group process as a means of changing behavior. (UC, CSU, AVC)

PSY 106 CASE MANAGEMENT, LAW AND ETHICS

3 Units

Total Course Lecture Hours 54

This course reviews the principles and practice of case management in addiction treatment including the processes of intake, screening, assessment, treatment planning, referral, and documentation. Professional and ethical codes of conduct and behavior are also reviewed and emphasized. (CSU, AVC)

PSY 107 CHEMICAL DEPENDENCY FAMILY COUNSELING

3 Units

Total Course Lecture Hours 54

This course is designed to explore methods of assisting family members and others to understand and to cope with the alcohol and drug abuse of alcoholics and addicts. Several family therapy modalities will be explored. The approach will be experiential in format and students will participate in exercises that lead to the development of these skills. (CSU, AVC)

PSY 108 INTRODUCTION TO PSYCHOLOGICAL AND SOCIAL SERVICES

4 Units

Total Course Lecture Hours 54

Total Course Lab Hours 54

Advisory: *Completion of or concurrent enrollment in PSY 106.*

Supervised internship in a human service agency or an alcohol and other drug treatment facility. An overview of the field of human services, including alcohol and other drug treatment. The roles of psychologists, sociologists, social workers, family therapists, social service assistants, and addiction counselors are compared and contrasted, and the issues they deal with are described. Through cooperative efforts of provider agencies, the instructor, and the student, the skills utilized for entry-level employment are observed, practiced, and evaluated under supervision. (CSU, AVC)

PSY 109 DIRECTED FIELD EXPERIENCE I

5 Units

Total Course Lecture Hours 54

Total Course Lab Hours 108

Prerequisite: *Completion of or concurrent enrollment in PSY 106.*

Supervised internship in a human service agency or an alcohol and other drug treatment facility. The student intern will have an opportunity to observe human service providers working with clients in agency settings. Ethical guidelines for helping professions, developing cultural competence, stages of change, and motivational interviewing as a helping style are discussed. Interns practice interviewing skills for increasing motivation for positive change. (CSU, AVC)

PSY 110 DIRECTED FIELD EXPERIENCE II

6 Units

Total Course Lecture Hours 54

Total Course Lab Hours 162

Prerequisite: *Completion of or Concurrent enrollment in PSY 106.*

Supervised internship in an alcohol and other drug treatment facility. This course emphasizes advanced concepts in chemical dependency. Students refine their skills for the 12 core functions of effective clinical practice and compile a professional portfolio in preparation for the state certifying written exam. This course meets the 45-hour supervised practicum requirement for the California Certification Board of Alcohol and Drug Counselors. (CSU, AVC)

PSY 200 INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of or concurrent enrollment in PSYC C1000 (PSY 101).*

Prerequisite: *Completion of ENGL C1000 (ENGL 101) and STAT C1000 (MATH 115).*

This course surveys the various psychological research methods with an emphasis on research design, experimental procedures, descriptive methods, instrumentation, and the collection, analysis, interpretation, and reporting of research data. Research design and methodology will be examined through a review of research in a variety of the subdisciplines of psychology. (C-ID: PSY 200) (UC, CSU, AVC)

PSY 201 INTRODUCTION TO PHYSIOLOGICAL PSYCHOLOGY

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of PSY 101.*

This course explores the concept that both psychological experience and overt behavior are the result of nervous system function. Defining and identifying neuroanatomical and neurological terminology are integral parts of this class. Students will analyze and critique research methodology in physiological psychology. (C-ID: PSY 150) (UC, CSU, AVC)

PSY 212 HUMAN SEXUALITY

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion PSY 101 and ENGL 101.*

This course surveys biological, sociological, and psychological influences on current sexual attitudes and behavior. Special emphasis is placed on increasing general sexual knowledge, recognizing values, and becoming more comfortable with the subject matter. Critical thinking skills will be developed through examination and analysis of cultural values, the complex research problems, and a wide variety of sexual behaviors. Example topics include: sexual dysfunction, sexual health, sexually transmitted diseases, and variations in sexual behavior. (C-ID: PSY 130) (UC, CSU, AVC)

PSY 230 SOCIAL PSYCHOLOGY

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion PSYC C1000 (PSY 101) or SOC 101.*

This course studies human interaction and emphasizes the influence of the social context on behavior and experience. Sample topics include social cognition, person perception, attitude formation and change, persuasion, conformity, group processes, aggression, prejudice, attraction and intimacy, gender, and social psychology in the clinic, workplace, and courtroom. Research methods and their ethics will also be addressed. (C-ID: PSY 170) (UC, CSU, AVC)

PSY 232 THEORIES OF PERSONALITY

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of PSYC C1000 (PSY 101)*

This course examines both classical and contemporary theories of personality and the basic concepts, assumptions, principles, and implications that underlie them. The evidence that validates or supports their proposition will be evaluated. This course will further explore the applicability and relevance of the theories to everyday world events, situations and cross culturally. The origination of the theories and the theorist's biographical data will be considered. (UC, CSU, AVC)

PSY 233 PERSONAL AND SOCIAL ADJUSTMENT

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of PSYC C1000 (PSY 101).*

This course emphasizes personal and social adjustment through examination of the major theories and issues in the field of psychology. Specific focus is placed on self-awareness, personal growth, interpersonal relationships and communication. Students will also examine current topics in the area of personal and social adjustment in scientific journals. (C-ID: PSY 115) (UC, CSU, AVC)

PSY 234 ABNORMAL PSYCHOLOGY

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of ENGL 101 and PSY 101.*

This course provides an introduction and broad overview to abnormal psychology. The course will begin by distinguishing between "normal" and "abnormal" behavior through a historical lens. Specifically, an introduction to the major psychological disorders listed in the Diagnostic and Statistical Manual of Mental Disorders will be explored and topics covered will include: assessment, diagnosis, treatment, research and prevention of mental disorders. Students will also be challenged to examine their own stereotypes about "abnormal" behavior. (C-ID: PSY 120) (UC, CSU, AVC)

PSY 235 CHILD PSYCHOLOGY

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of PSYC C1000 or PSYC C1000H.*

Introduction to the psychological development of the person from prenatal period through adolescence. A survey of current psychological theories, such as cognitive, behavioral and social cognitive, and psychoanalytic will be examined regarding the emotional, physical, and social development of the child. (UC, CSU, AVC)

PSY 236 DEVELOPMENTAL PSYCHOLOGY

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of PSY 101.*

Introduction of the psychological development of the person from the prenatal period through old age. A survey of current theories of development including Psychoanalytic, Behavioral, Cognitive, Socio-cultural, and Epigenetic theory and examination of biosocial, cognitive, and psychosocial development will be included. (C-ID: PSY 180) (UC, CSU, AVC)

PSY 244 INTRODUCTION TO COUNSELING

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of PSY 101.*

This course provides an introduction and broad overview to the field of Counseling Psychology. Primary topics covered include counseling theories, a brief history of this specialty, skills, strategies and processes for working with individuals or groups. Additional topics include an introduction to various mental health professions, ethical guidelines, identifying the characteristics of effective helpers and examining the process of personal bias in the counseling relationship. (CSU, AVC)

PSY 301 ORGANIZATIONAL BEHAVIORAL PSYCHOLOGY

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be enrolled in an AVC bachelor's degree program to take this course.*

Prerequisite: *PSYC C1000 (PSY 101) or PSYC C1000H (PSY 101H)*

This course offers an introduction and broad overview of the psychology of individual and group dynamics in the workplace. This course will examine topics such as organizational culture and structure, teamwork, group dynamics, managing change, conflict theory, motivation, and leadership. Emphasis is placed on applying course concepts to current workplace issues. (AVC)

PSYC C1000 INTRODUCTION TO PSYCHOLOGY

3 Units

Total Course Lecture Hours 54

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. This course provides a scientific study of behavior through an exploration of major concepts, methods, and research findings. Topics such as biological basis of behavior; cognitive processes; research methods; learning and motivation; life span development; individual differences; behavioral disorders and therapies; social behavior and applied psychology are included. Students will also develop research skills and learn APA style so they may read and write in a scientific manner. Formerly PSY 101 (C-ID: PSY 110) (UC, CSU, AVC)

PSYC C1000H INTRODUCTION TO PSYCHOLOGY - HONORS

3 Units

Total Course Lecture Hours 54

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. This is an honors course.

This honors course, intended for students in the Honors Transfer Program, provides a scientific study of behavior through an exploration of major concepts, methods, and research findings. Topics such as biological basis of behavior; cognitive processes; research methods; learning and motivation; life span development; individual differences; behavioral disorders and therapies; social behavior and applied psychology are included. Students will also develop research skills and learn APA style so they may read and write in a scientific manner. Honors students will be required to conduct and present an independent research project. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. Formerly PSY 101H (C-ID: PSY 110) (UC, CSU, AVC)

Note: Students may take either PSYC C1000 Introduction to Psychology or PSYC C1000H Introduction to Psychology - Honors. Duplicate credit will not be awarded.

Psychology Non Credit Course

PSY 900 CASE MANAGEMENT ESSENTIALS

0 Units

Total Course Lecture Hours 54

The course will provide fundamentals of case management in human services. Procedures for the intake, assessment, and referral of clients will be reviewed and practiced. (R unlimited)

Department Description

The Antelope Valley College Radiologic Technology program provides concurrent didactic and clinical education. The program length is 24 months. Students should expect to attend class/clinic/laboratory 4 to 5 days per week up to 40 hours per week and therefore should be able to make a full time commitment. Courses are scheduled in the fall, spring, and summer sessions. Weekend and/or evening hours may be required. The clinical education sites affiliated with the program are located in Lancaster, Palmdale, and Ridgecrest, California. Students may be assigned to any clinical education site during the length of the program.

Program Learning Outcomes

Radiologic Technology AS

1. Students will be clinically competent.
2. Students will demonstrate communication skills.
3. Students will develop critical thinking skills.
4. Students will model professionalism.

Certificate Program

Certificate not applicable.

Associate Degree

Radiologic Technology AS

The Antelope Valley College radiologic technology program provides concurrent didactic and clinical education. The program length is 24 months. Students should expect to attend class/clinic/laboratory 4 to 5 days per week, up to 40 hours per week, and therefore should be able to make a full time commitment. Courses are scheduled in the fall, intersession, spring, and summer sessions. Weekend and/or evening hours may be required. The clinical education sites affiliated with the program are located in Lancaster, Palmdale and Ridgecrest, California. Students may be assigned to any clinical education site during the length of the program.

Antelope Valley College is accredited by the Accrediting Commission of Community and Junior Colleges of the Western Association of Schools and Colleges. The Radiologic Technology program is approved by the State of California Department of Public health, Radiologic Health Branch, P.O. Box 997414, MS 7610, Sacramento, CA 95899, (916) 327-5106, www.cdph.ca.gov; and accredited by the Joint Review Committee on Education in Radiologic Technology, 20 North Wacker Drive, Suite 2850, Chicago, IL 60606-3182, (312) 704-5300, e-mail: mail@jrcert.org.

The course of study leads to an Associate in Science Degree in Radiologic Technology.

Students must receive a minimum grade of "C" or better in all courses required for this degree.

Program Requirements
Radiologic Technology AS (Total 100-102)

Complete all of the following	**Units**
Core Courses (Total 87)	
Complete all of the following	
BIOL 201 - General Human Anatomy	4
BIOL 202 - General Human Physiology	4
CHEM 101 - Introductory Chemistry	5
RADT 101 - Introduction to Radiologic Technology	2
RADT 102 - Patient Care in Radiology	2
RADT 103 - Radiographic Positioning and Procedures I	10
RADT 104 - Radiographic Principles I	3
RADT 106 - Radiographic Clinic Practicum IA	2
RADT 107 - Radiographic Positioning and Procedures II	10
RADT 108 - Advanced Principles of Exposure	3
RADT 109 - Radiation Physics	3
RADT 201 - Radiographic Clinical Practicum III	5
RADT 202 - Radiographic Pathology	11
RADT 203 - Fluoroscopic Imaging and Radiation Protection	3
RADT 204 - Principles and Applications of Cross-Sectional Anatomy in Imaging	2
RADT 205 - Radiographic Clinical Practicum IV	2
RADT 207 - Advanced Radiographic Procedures	11
RADT 208 - Radiographic Certification Preparation	4
RADT 210 - Principles of Venipuncture for Radiology	1
Comm Honors Option (Total 3)	
Complete the following number of units: 3	
COMM C1000 - Introduction to Public Speaking	3
COMM C1000H - Introduction to Public Speaking - Honors	3
PSYC Honors Option (Total 3)	
Complete the following number of units: 3	
PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3
ENGL Honors Option (Total 4)	
Complete the following number of units: 4	
ENGL C1000 - Academic Reading and Writing	4
ENGL C1000H - Academic Reading and Writing - Honors	4
Math Requirement (Total 3 - 5)	
Complete the following number of units: 3-5	
MATH 110 - Mathematics for Liberal Arts Students	3
STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4
MATH 116 - Introduction to Statistics Using R	4
MATH 124 - Finite Math	4
MATH 128 - College Algebra for Liberal Arts	3
MATH 150 - Calculus and Analytic Geometry	5
MATH 150H - Calculus & Analytic Geometry Honors	5
MATH 160 - Calculus and Analytic Geometry	4
MATH 220 - Linear Algebra	4
MATH 230 - Introduction to Ordinary Differential Equations	4
MATH 250 - Calculus and Analytic Geometry	4

Recommended Pathway	
Prerequisite for Program	**Units**
BIOL 201 - General Human Anatomy	4
BIOL 202 - General Human Physiology	4
ENGL C1000 - Academic Reading and Writing	4
CHEM 101 - Introductory Chemistry	5
Math Requirement (see list)	3-5
	Total 20-22
First Summer	
RADT 101 - Introduction to Radiologic Technology	2
RADT 102 - Patient Care in Radiology	2
PSYC C1000 - Introduction to Psychology	3
	Total 7
First Fall Term	
RADT 103 - Radiographic Positioning and Procedures I	10
COMM C1000 - Introduction to Public Speaking	3
RADT 104 - Radiographic Principles I	3
AVC GE Area 3	3
	Total 19
First Intersession	
RADT 106 - Radiographic Clinic Practicum IA	2
	Total 2
First Spring Term	
RADT 107 - Radiographic Positioning and Procedures II	10
RADT 108 - Advanced Principles of Exposure	3
RADT 109 - Radiation Physics	3
	Total 16
Second Summer	
RADT 201 - Radiographic Clinical Practicum III	5
	Total 5
Second Fall	
RADT 202 - Radiographic Pathology	11
RADT 203 - Fluoroscopic Imaging and Radiation Protection	3
RADT 204 - Principles and Applications of Cross-Sectional Anatomy in Imaging	2
RADT 210 - Principles of Venipuncture for Radiology	1
	Total 17
Second Intersession	
RADT 205 - Radiographic Clinical Practicum IV	2
	Total 2
Second Spring Term	
RADT 207 - Advanced Radiographic Procedures	11
RADT 208 - Radiographic Certification Preparation	4
AVC GE Area 6	3
	Total 18
	Degree Total 106-108

Radiologic Technology Courses

RADT 101 INTRODUCTION TO RADIOLOGIC TECHNOLOGY

2 Units

Total Course Lecture Hours 36

Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*

Prerequisite: *Completion of BIOL 201, BIOL 202, and ENGL C1000 (ENGL 101) with a grade of "C" or better.*

Corequisite: *Concurrent enrollment in RADT 102.*

This course includes orientation to the role of the radiologic technologist. The course includes medical use of radiation, ethics, history of radiology, hospital and department operations, and program policies and regulations. (CSU, AVC)

RADT 102 PATIENT CARE IN RADIOLOGY

2 Units

Total Course Lecture Hours 36

Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*

Prerequisite: *Completion of BIOL 201, BIOL 202, Completion of ENGL C1000 (ENGL 101) with a grade of "C" or better.*

Corequisite: *Concurrent enrollment in RADT 101.*

This course introduces basic concepts and skills that are essential for safe patient care in the field of radiography. (CSU, AVC)

RADT 103 RADIOGRAPHIC POSITIONING AND PROCEDURES I

10 Units

Total Course Lecture Hours 54

Total Course Lab Hours 378

Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*

Prerequisite: *Completion of RADT 101 and RADT 102 with a grade of "C" or better.*

Corequisite: *Concurrent enrollment in RADT 104.*

This course provides beginning theory, lab, and clinical practice in radiographic positioning and procedures of the respiratory system, bony thorax, lower and upper extremities and related joints, and abdominal cavity. Portable and trauma radiography are included. (CSU, AVC)

RADT 104 RADIOGRAPHIC PRINCIPLES I

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*

Prerequisite: *Completion of RADT 101 and RADT 102 with a grade of "C" or better, and completion of Intermediate Algebra or higher.*

Corequisite: *Concurrent enrollment in RADT 103.*

This course introduces principles of x-ray image creation, basic radiation protection, exposure factors, beam restriction, and radiation absorption. Accessory supplies and equipment, grids, image receptors, image processing, sensitometry, and digital radiography are also covered. Photographic and geometric factors that contribute to quality and detail will be discussed. (CSU, AVC)

RADT 106 RADIOGRAPHIC CLINIC PRACTICUM IA

2 Units

Total Course Lab Hours 108

Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*

Prerequisite: *Completion of RADT 103 and RADT 104 with a grade of "C" or better.*

This course provides supervised practice in clinical settings to improve skills in basic radiographic procedures. (CSU, AVC)

RADT 107 RADIOGRAPHIC POSITIONING AND PROCEDURES II

10 Units

Total Course Lecture Hours 54

Total Course Lab Hours 378

Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*

Prerequisite: *Completion of RADT 103 and RADT 104 with a grade of "C" or better.*

Corequisite: *Concurrent enrollment in RADT 108 and RADT 109.*

This course provides theory, laboratory, and clinical practice in positioning for the cranium, facial bones, sinuses, vertebral column and contrast procedures for the gastrointestinal and genitourinary tracts. (CSU, AVC)

RADT 108 ADVANCED PRINCIPLES OF EXPOSURE

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*

Prerequisite: *Completion of RADT 103 and RADT 104 with a grade of "C" or better.*

Corequisite: *Concurrent enrollment in RADT 107 and RADT 109.*

This course provides advanced analysis of the principles of radiologic technique and their applications in the clinical settings. Students learn to calculate changes in technical factors and their effects on image production and quality. (CSU, AVC)

RADT 109 RADIATION PHYSICS

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*

Prerequisite: *Completion of RADT 103 and RADT 104 with a grade of "C" or better*

Corequisite: *Concurrent enrollment in RADT 107 and RADT 108.*

This course is designed specifically for students enrolled in the radiologic technology program. It focuses on electromagnetic energy, radiation production, radiation interaction, and radiation characteristics. Factors contributing to the construction and proper operation of x-ray equipment and electronics will be emphasized. (CSU, AVC)

RADT 201 RADIOGRAPHIC CLINICAL PRACTICUM III

5 Units

Total Course Lab Hours 270

Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*

Prerequisite: *Completion of RADT 107, RADT 108 and RADT 109 with a grade of "C" or better.*

Supervised clinical experiences are provided to perfect skills in a variety of radiographic procedures. Students will have opportunities to enhance basic skills, positioning techniques, patient care, and clinical operations. (CSU, AVC)

RADT 202 RADIOGRAPHIC PATHOLOGY

11 Units

Total Course Lecture Hours 54

Total Course Lab Hours 432

Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*

Prerequisite: *Completion of RADT 201 with a grade of "C" or better.*

Corequisite: *Concurrent enrollment in RADT 203, RADT 204, and RADT 210.*

This course provides an introduction to advanced pathological conditions. Normal radiographic anatomy is differentiated from pathologic conditions. Students participate in supervised clinical practice. (CSU, AVC)

RADT 203 FLUOROSCOPIC IMAGING AND RADIATION PROTECTION

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*

Prerequisite: *Completion of RADT 201 with a grade of "C" or better.*

Corequisite: *Concurrent enrollment in RADT 202, RADT 204 and RADT 210.*

This course provides an introduction to the fluoroscopic imaging system and methods of reducing public and occupational doses of radiation. The course prepares students for national certification and the California Fluoroscopy Permit Exam. (CSU, AVC)

RADT 204 PRINCIPLES AND APPLICATIONS OF CROSS-SECTIONAL ANATOMY IN IMAGING

2 Units

Total Course Lecture Hours 36

Limitation on Enrollment: *: Formal admission to Radiologic Technology Program.*

Prerequisite: *Completion of RADT 201 with a grade of "C" or better.*

Corequisite: *Concurrent enrollment in RADT 202, RADT 203 and RADT 210.*

This course includes cross-sectional anatomy and relationships of human organs to each other as the organs appear in the sagittal, coronal, and axial planes. Practical applications of cross-sectional anatomy in computerized tomography, magnetic resonance imaging, and ultrasound will be emphasized. (CSU, AVC)

RADT 205 RADIOGRAPHIC CLINICAL PRACTICUM IV

2 Units
Total Course Lab Hours 108
Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*
Prerequisite: *Completion of RADT 202, RADT 203, RADT 204 and RADT 210*
This course provides supervised clinical practice in various clinical settings. Students will have opportunities to perfect positioning skills, image analysis and patient care techniques learned in previous theory courses. (CSU, AVC)

RADT 207 ADVANCED RADIOGRAPHIC PROCEDURES

11 Units
Total Course Lecture Hours 54
Total Course Lab Hours 432
Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*
Prerequisite: *Completion of RADT 202, RADT 203, RADT 204 and RADT 210 with grades of "C" or better.*
Corequisite: *Concurrent enrollment in RADT 208.*
This course provides the advanced radiography student with a survey of advanced imaging and an introduction to other specializations in radiation sciences. An introduction to special invasive procedures is also included. (CSU, AVC)

RADT 208 RADIOGRAPHIC CERTIFICATION PREPARATION

4 Units
Total Course Lecture Hours 72
Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*
Prerequisite: *Completion of RADT 202, RADT 203, RADT 204 and RADT 210 with grades of "C" or better.*
Corequisite: *Concurrent enrollment in RADT 207.*
Instructional material fee *required for this course and must be paid at registration.*
This course consists of a review of subjects that are critical for the American Registry of Radiologic Technologists examination and the California certification examination. (CSU, AVC)

RADT 210 PRINCIPLES OF VENIPUNCTURE FOR RADIOLOGY

1 Unit
Total Course Lecture Hours 18
Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*
Prerequisite: *Completion of RADT 201 with a grade of "C" or better.*
Corequisite: *Concurrent enrollment in RADT 202, RADT 203 and RADT 204.*
This course provides basic instruction and practice of venipuncture theory and methods for the administration of contrast agents. It meets California Health and Safety Code, Section 106985, pertaining to Certified Radiologic Technologists performing venipuncture. (CSU, AVC)

Department Description

Reading involves understanding and interpreting written material. Critical reading and thinking skills are crucial for success in college and beyond. Most forms of employment require the ability to read, and people need to be able to evaluate many written materials in all areas of society, both online and in print. Reading improvement courses will help students build their skills and prepare them for other college courses.

Associate Degree/Certificate

No degrees or certificates are currently offered.

Reading Non Credit Course

READ 990 CRITICAL READING

0 Units

Total Course Lecture Hours 36

READ 990 provides competency and strategy-based instruction for improving reading. It involves work with literal comprehension, introductory inferential comprehension, metacognitive strategies, and vocabulary development in college-level texts. READ 990 is part of the optional College Readiness - Reading and Writing non credit certificate that students may earn. Students will receive "pass" or "no pass" only. (R unlimited)

Department Description

The Real Estate program includes a salesperson certificate, Broker's certificate, and an associate degree. Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate. An individual can meet all of the educational requirements of the Bureau of Real Estate for obtaining a real estate salesperson or real estate broker license by taking courses at Antelope Valley College. For current licensing requirements, go to the California Bureau of Real Estate website.

Program Learning Outcomes

Real Estate AS/ Real Estate Broker's Cert/ Real Estate Salesperson Cert

1. Explain the steps in listing, selling, leasing, investing, and exchanging real property.
2. Apply computer applications to list, sell and market real property.
3. Demonstrate the use of accounting for the operation of a real estate office.

Real Estate Salesperson Certificate (Noncredit)

1. Explain the steps in listing, selling, leasing, investing, and exchanging real property.

Certificate Programs

Real Estate Broker's Cert

This certificate requires a minimum of 37 units. This program provides advanced training in real estate for those planning to become California licensed real estate brokers, as well as to upgrade the professional training of those in the real estate industry. A maximum of 6 pass/no pass units will be accepted for the Real Estate Broker certificate.

Program Requirements
Real Estate Broker's Cert (Total 37 - 39)
Complete all of the following

Required Courses (Total 31 - 33)
Complete all of the following
Required Courses (Total 3 - 4)

Complete the following number of units: 3-4	**Units**
ACCT 111 - Bookkeeping	3
ACCT 201 - Financial Accounting	4

Required Courses (Total 3)
Complete the following number of units: 3

BIP 115 - Practical Math for Business and Consumers	3
BUS 105 - Business Mathematics	3

Required Courses (Total 3 - 4)
Complete the following number of units: 3-4

CA 103 - Introduction to Computers and Digital Technology	3
CA 221 - Computer Concepts & Applications in Business	4

Required Courses (Total 22)
Complete all of the following

BUS 201 - Business Law	3
MKTG 130 - Digital Marketing	3
RE 101 - Real Estate Principles	3
RE 105 - Real Estate Practices	3
RE 111 - Real Estate Finance	3
RE 121 - Legal Aspects of Real Estate	3
RE 131 - Real Estate Appraisal	3
RE 180 - Real Estate Capstone	1

Program Electives (Total 6)
Complete the following number of units: 6

RE 141 - Escrow Principles	3
RE 161 - Property Management	3
RE 199 - Work Experience Education	1-8

Recommended Pathway

Fall Semester	**Units**
BUS 105 - Business Mathematics	3
CA 103 - Introduction to Computers and Digital Technology	3
RE 101 - Real Estate Principles	3
MKTG 130 - Digital Marketing	3
	Total 12
Spring Semester	
RE 105 - Real Estate Practices	3
ACCT 111 - Bookkeeping	3
RE 121 - Legal Aspects of Real Estate	3
Program Electives (RE 141)	3
	Total 12
Fall Semester	
RE 111 - Real Estate Finance	3
RE 131 - Real Estate Appraisal	3
Program Electives (RE 161)	3
BUS 201 - Business Law	3
RE 180 - Real Estate Capstone	1
	Total 13
	Certificate Total 37

Real Estate Salesperson Cert

This certificate requires a minimum of 19 units. This program provides the basic skills necessary to enter the real estate field as a salesperson. This option CANNOT be used as a major for the associate degree.
A maximum of 6 pass/no pass units will be accepted for the Real Estate Broker certificate.

Real Estate Salesperson Cert (Total 19 - 20)
Complete all of the following

Required Courses (Total 16 - 17)

Complete all of the following	**Units**
Required Courses (Total 10)	
Complete all of the following	
MKTG 130 - Digital Marketing	3
RE 101 - Real Estate Principles	3
RE 105 - Real Estate Practices	3
RE 180 - Real Estate Capstone	1

Required Courses (Total 3)
Complete the following number of units: 3

BIP 115 - Practical Math for Business and Consumers	3
BUS 105 - Business Mathematics	3

Required Courses (Total 3 - 4)
Complete the following number of units: 3-4

CA 103 - Introduction to Computers and Digital Technology	3
CA 221 - Computer Concepts & Applications in Business	4

Program Electives (Total 3)
Complete the following number of units: 3

RE 111 - Real Estate Finance	3
RE 121 - Legal Aspects of Real Estate	3
RE 131 - Real Estate Appraisal	3
RE 141 - Escrow Principles	3
RE 161 - Property Management	3

Recommended Pathway	
First Semester	**Units**
BUS 105 - Business Mathematics	3
CA 103 - Introduction to Computers and Digital Technology	3
RE 105 - Real Estate Practices	3
RE 101 - Real Estate Principles	3
	Total 12
Second Semester	
MKTG 130 - Digital Marketing	3
Program Electives (RE 121)	3
RE 180 - Real Estate Capstone	1
	Total 7
	Certificate Total 19

Real Estate Salesperson Certificate (Noncredit)

This program provides the basic skills necessary to enter the real estate field as a salesperson. This program meets the educational requirements for a California Real Estate Salesperson's license.

Real Estate Salesperson Certificate (Noncredit) (Total 162)
Complete all of the following

Required Courses (Total 108)

Complete the following number of hours: 108	**Hours**
RE 901 - Real Estate Principles	54
RE 902 - Real Estate Practices	54

Program Elective - Choose one (Total 54)
Complete the following number of hours: 54

RE 903 - Real Estate Finance	54
RE 904 - Legal Aspects of Real Estate	54

Recommended Pathway	
Term 1	**Hours**
RE 901 - Real Estate Principles	54
RE 902 - Real Estate Practices	54
Program Elective **(**RE 903 ***OR*** RE 904)	54
	Total 162
	Certificate Total 162

Associate Degree

Real Estate AS

The requirements for an associate degree in Real Estate may be satisfied by completing the Real Estate Broker certificate program in addition to the associate degree requirements and sufficient elective credits to total 60 units. (See Graduation/Associate Degree Requirements.)

Program Requirements
Real Estate AS (Total 37 - 39)
Complete all of the following

Required Courses (Total 22)

Complete all of the following	**Units**
BUS 201 - Business Law	3
MKTG 130 - Digital Marketing	3
RE 101 - Real Estate Principles	3
RE 105 - Real Estate Practices	3
RE 111 - Real Estate Finance	3
RE 121 - Legal Aspects of Real Estate	3
RE 131 - Real Estate Appraisal	3
RE 180 - Real Estate Capstone	1

Required Course (Total 3 - 4)
Complete the following number of units: 3-4

CA 103 - Introduction to Computers and Digital Technology	3
CA 221 - Computer Concepts & Applications in Business	4

Required Course (Total 3 - 4)
Complete the following number of units: 3-4

ACCT 111 - Bookkeeping	3
ACCT 201 - Financial Accounting	4

Required Course (Total 3)
Complete the following number of units: 3

BIP 115 - Practical Math for Business and Consumers	3
BUS 105 - Business Mathematics	3

Program Electives (Total 6)
Complete the following number of units: 6

RE 141 - Escrow Principles	3
RE 161 - Property Management	3
RE 199 - Work Experience Education	3

Recommended Pathway	
Fall Semester	**Units**
RE 101 - Real Estate Principles	3
BUS 105 - Business Mathematics	3
AVC GE Area 1A (ENGL C1000)	4
CA 221 - Computer Concepts & Applications in Business	4
	Total 14
Second Semester	
RE 105 - Real Estate Practices	3
ACCT 111 - Bookkeeping	3
RE 121 - Legal Aspects of Real Estate	3
AVC GE Area 4	3
AVC GE Area 2	3
	Total 15
Third Semester	
MKTG 130 - Digital Marketing	3
AVC GE Area 1B	3
Program Electives (RE 141)	3
RE 111 - Real Estate Finance	3
RE 131 - Real Estate Appraisal	3
	Total 15
Fourth Semester	
Program Electives (RE161)	3
RE 180 - Real Estate Capstone	1
BUS 201 - Business Law	3
AVC GE Area 5	3
AVC GE Area 6	3
AVC GE Area 3	3
	Total 16
	Degree Total 60

Real Estate Courses

RE 101 REAL ESTATE PRINCIPLES
3 Units
Total Course Lecture Hours 54
A course in the basic principles of real estate. Includes the study of real property laws pertaining to contracts, deeds, land titles, liens, escrows, leases, financing, land description, brokerage, and selling. This course meets one of the educational requirements toward a California Real Estate Salesperson's license. (CSU, AVC)

RE 105 REAL ESTATE PRACTICES
3 Units
Total Course Lecture Hours 54
Advisory: *Completion of RE 101.*
This course focuses on the professional activities of the broker and salesperson in the real estate business. Special attention is given to the real estate office, listings, valuation of listings, prospecting, advertising, exchanges, property management and leasing, land utilization and development, public relations, supervising the sales force, and ethics of the real estate business. This course meets one of the educational requirements toward a California Real Estate Salesperson's license. (CSU, AVC)

RE 111 REAL ESTATE FINANCE
3 Units
Total Course Lecture Hours 54
Advisory: *Completion of RE 101.*
This is a practical course in real estate financing, with actual case illustrations demonstrating lending policies, problems, and risks involved in financing transactions in residential, apartment, commercial, and special purpose properties. This course includes the study of techniques of mortgaging, legal aspects of mortgages, nature of mortgages and equity capital, where and how best to obtain funds, appraising for mortgage lending purposes, procedures to follow in financing real estate sales and exchanges, junior financing, and mathematics of real estate finance. Course emphasis will be on residential real estate financing. Recommended for real estate salespersons, brokers, mortgage and escrow professionals, and those seeking personal enrichment in area of real estate finance. Meets coursework requirements for both Certificate and Associate Degree Programs for Real Estate Broker and Escrow. May be applied toward: (1) Real Estate Salesperson's license; (2) Real Estate Broker's license. (CSU, AVC)

RE 121 LEGAL ASPECTS OF REAL ESTATE
3 Units
Total Course Lecture Hours 54
Advisory: *Completion of RE 101.*
A course in California real estate property law with emphasis on practical applications. Includes a study of sources of real estate law, classes of property, fixtures, easements, interests in real property, covenants, conditions, and restrictions. The course also includes real property security devices, escrow, and landlord-tenant law. May be applied toward: (1) Real Estate Salesperson's license; (2) Real Estate Broker's license. (CSU, AVC)

RE 131 REAL ESTATE APPRAISAL
3 Units
Total Course Lecture Hours 54
Advisory: *Completion of RE 101.*
This is an introductory course in real estate appraisal confined largely to residential property and to investment property valuation. This course includes studying and applying methods and techniques necessary for the valuation of real estate. These methods and techniques are applicable for valuing real estate for a variety of purposes, including loan origination, estate valuation, marriage dissolution, and personal asset valuation. Case study situations are used, including the study of actual appraisal reports. May be applied toward: (1) Real Estate Salesperson's license; (2) Real Estate Broker's license. (CSU, AVC)

RE 141 ESCROW PRINCIPLES
3 Units
Total Course Lecture Hours 54
Advisory: *Completion of RE 101.*
This course furnishes persons, private or career oriented, with fundamental principles and basic procedures involved in ordinary escrow transactions. Terminology and mechanics of the real estate escrow process are presented using generally used forms. May be applied toward: (1) Real Estate Salesperson's license; (2) Real Estate Broker's license. (CSU, AVC)

RE 161 PROPERTY MANAGEMENT
3 Units
Total Course Lecture Hours 54
Advisory: *Completion of RE 101.*
Includes the principles and practices of managing income properties. Covers nature and types of property management, leases and contracts, collections, rent schedules, tenant selection and supervision, budgets, apartments, shopping centers, office and condominium management. May be applied toward: (1) Real Estate Salesperson's license; (2) Real Estate Broker's license. (CSU, AVC)

RE 180 REAL ESTATE CAPSTONE
1 Unit
Total Course Lecture Hours 18
Prerequisite: *Completion of RE 101 and RE 105.*
Students who complete this capstone course are revisiting terminology and topics in previous real estate courses to strengthen their understanding and to prepare them for careers in this field. Topics include property ownership and transfer, laws of agency and duties, property valuation, financing, and disclosures and activities. (CSU, AVC)

RE 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have the approval of a work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students with a realistic learning experience through work in the real estate industry. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as employees in various situations and jobs in the real estate field. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the real estate environment. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

Real Estate Courses

RE 901 REAL ESTATE PRINCIPLES

0 Units

Total Course Lecture Hours 54

This course covers the basics of real estate by focusing on the key concepts of property ownership, the sale of real estate, contract and property law, appraisal, financing, and the business elements of buying and selling real estate under California law. This course meets one of the educational requirements toward a California Real Estate Salesperson's license. (R Unlimited)

RE 902 REAL ESTATE PRACTICES

0 Units

Total Course Lecture Hours 54

This course focuses on the professional activities of the broker and salesperson in the real estate business. Special attention is given to the real estate office, listings, valuation of listings, prospecting, advertising, exchanges, property management and leasing, land utilization and development, public relations, supervising the sales force, and ethics of the real estate business. This course meets one of the educational requirements toward a California Real Estate Salesperson's license. (R Unlimited)

RE 903 REAL ESTATE FINANCE

0 Units

Total Course Lecture Hours 54

This is a practical course in real estate financing, with actual case illustrations demonstrating lending policies, problems, and risks involved in financing transactions in residential, apartment, commercial, and special purpose properties. This course includes the study of techniques of mortgaging, legal aspects of mortgages, nature of mortgages and equity capital, where and how best to obtain funds, appraising for mortgage lending purposes, procedures to follow in financing real estate sales and exchanges, junior financing, and mathematics of real estate finance. Course emphasis will be on residential real estate financing. Recommended for real estate salespersons, brokers, mortgage and escrow professionals, and those seeking personal enrichment in area of real estate finance. This course meets one of the educational requirements toward a California Real Estate Salesperson's license. (R Unlimited)

RE 904 LEGAL ASPECTS OF REAL ESTATE

0 Units

Total Course Lecture Hours 54

A course in California real estate property law with emphasis on practical applications. Includes a study of sources of real estate law, classes of property, fixtures, easements, interests in real property, covenants, conditions, and restrictions. The course also includes real property security devices, escrow, and landlord-tenant law. This course meets one of the educational requirements toward a California Real Estate Salesperson's license. (R Unlimited)

Department Description

Recreation and Leisure Studies will provide students with the knowledge and skills needed to perform at an entry-level position in private and public agencies in various careers, including event planning, recreational program planning, sport and tournament planning, hospitality, therapeutic recreation, and tourism.

Program Learning Outcomes

Recreation and Leisure Studies Certificate

1. Promote the benefits and values of recreation and leisure for personal growth, improving mental and physical health and overall well-being.
2. Demonstrate an understanding of recreation and leadership skills by creating, planning, implementing, and evaluating a recreation activity program for a designated community.
3. Develop effective communication and leadership skills in working in leisure and recreation environments.

Certificate Program

Recreation and Leisure Studies Certificate

The Recreation and Leisure Studies certificate will provide students with the knowledge and skills needed to perform at an entry-level position in both private and public agencies in a wide variety of careers which may include event planning, recreational program planning, sport and tournament planning, hospitality, therapeutic recreation and tourism.

Program Requirements

Required Courses (Total 24)

Complete all of the following	**Units**
HE 100 - First Aid and Emergency Care	3
HE 101 - Health Education	3
KINT 100 - Introduction to Kinesiology	3
KINT 105 - Active Lifestyles: Personal Wellness and Nutrition	3
KINT 114 - Athletic and Fitness Organization and Administration	3
KINT 115 - Foundation For Fitness And Wellness	3
REC 101 - Introduction to Recreation and Leisure	3
REC 102 - Recreational Leadership	3

Recommended Pathway

Term 1	**Units**
HE 101 - Health Education	3
REC 101 - Introduction to Recreation and Leisure	3
KINT 100 - Introduction to Kinesiology	3
KINT 115 - Foundation For Fitness And Wellness	3
	Total 12
Term 2	
KINT 114 - Athletic and Fitness Organization and Administration	3
HE 100 - First Aid and Emergency Care	3
KINT 105 - Active Lifestyles: Personal Wellness and Nutrition	3
REC 102 - Recreational Leadership	3
	Total 12
	Certificate Total 24

Associate Degree

Associate degree not available.

Recreational Leadership Courses

REC 101 INTRODUCTION TO RECREATION AND LEISURE

3 Units

Total Course Lecture Hours 54

An overview of recreation and leisure in our society, examining the basic concepts of recreation and leisure and the trends in the overall field of recreation and leisure services. Emphasis will be placed on the role of the professional leader in organizing and facilitating recreational and leisure programs, services, operations, resources, and facilities. (CSU, AVC)

REC 102 RECREATIONAL LEADERSHIP

3 Units

Total Course Lecture Hours 54

This course involves the study of essential elements and basic principles of organization and leadership of the various types of recreational and leisure programs, including planning and conducting organized programs in private and public agencies. Special emphasis will be given to the role of face-to-face leadership within recreational organizations. (CSU, AVC)

The Associates of Science in Respiratory Care and the Bachelor of Science in Respiratory Care programs at Antelope Valley College are accredited by the Commission on Accreditation for Respiratory Care (www.coarc.com)

Commission on Accreditation for Respiratory Care
1248 Hardwood Road
Bedford, TX 76021-4244
(817) 283-2835

CoARC outcomes data is available at the following link: https://coarc.com/students/programmatic-outcomes-data/

Department Description

The respiratory care program is the only program in the Antelope Valley that prepares students for entry-level practice in the field. For detailed information about respiratory care as a career, see the Respiratory Care Board of California at rcb.ca.gov

For eligibility requirements, application process, and selection procedures for the Associate of Science in Respiratory Care program, please visit: Respiratory Care/Therapy - RCP

MINIMUM ELIGIBILITY REQUIREMENTS FOR BACCALAUREATE APPLICANTS

The Bachelor of Science in Respiratory Care (BSRC) provides students who already possess the associate degree and licensed Respiratory Care Practitioners (RCPs) with additional knowledge, skills, and attributes in leadership, management, education, research and advanced clinical practice.

The BSRC allows students to accomplish their professional goals and prepare for advanced degrees without leaving the Antelope Valley, and at a fraction of the cost compared to other institutions offering bachelor's degrees.

Minimum Eligibility Requirements for Applicants:

1. A minimum GPA of 2.0 across all college coursework
2. Completion of an Associate Degree in Respiratory Care from a Co-ARC-accredited program
3. Hold an RRT license or be eligible for licensure
4. Completion of the courses listed below

General Education/Lower-Division Prerequisites for Admission to the BSRC program:

Course	Units
BIOL 201, General Human Anatomy	4
BIOL 202, General Human Physiology	4
CHEM 101, Introductory Chemistry	5
COMM C1000, Introduction to Public Speaking (Formerly COMM 101)	3
ENGL 115, Introduction to Technical Communication	3
PSYC C1000, Introduction to Psychology (Formerly PSY 101)	3
MATH, Transfer Level, Cal-GETC Area	2-3

Note: General education and lower-division elective credit will only be accepted from regionally accredited colleges or universities.

BACCALAUREATE APPLICATION PROCESS

Applicants seeking admission to the Bachelor of Science in Respiratory Care (BSRC) program must follow the instructions outlined below:

1. **Complete the Application for Enrollment Form.** The application is available on the BSRC program webpage. The application is only available during the application period.
2. **Upload Required Supporting Documents.** As part of the application, students must upload a current Education Plan completed by the AVC Counselor assigned to the BSRC program. Education Plans must be from the spring term of the year the student is applying.
   - **Scheduling:** Appointments must be scheduled with BSRC counseling personnel only. Students should schedule early, as appointments fill quickly. Appointments may be made by calling (661) 722-6300 ext. 6338.
   - **Approved Personnel:** For current counseling personnel, visit the program webpage.
3. **Submit Official Transcripts.** Order official transcripts from all previously attended post-secondary institutions, including Antelope Valley College, and have them sent electronically to **bachelors@avc.edu** (Attention: Rocio Heasley).
   - **Advanced Placement (AP):** If students have AP credits, an official AP Score Report must be sent directly from the College Board to Antelope Valley College.
   - **External Records:** All applicants must ensure one set of official transcripts from all institutions outside of Antelope Valley College must also be on file with AVC.
4. **Submit Your Application.** The online application and all required document uploads must be completed at the time of submission. Students should ensure all official transcripts have been ordered prior to submitting the application. Mailed paper application packets and in-person submissions are no longer accepted. Applicants must submit only one application per cycle; submitting multiple applications will not improve the likelihood of admission.

The program maintains a temporary waiting list for the current cycle only; applicants who are not admitted must reapply during a future application cycle.
For the most current program information, please visit: www.avc.edu/program/bsrc

BACCALAUREATE SELECTION PROCEDURES

The BSRC program accepts a maximum of 25 students per year. Admission is determined by the following priority levels:

- **Priority 1:** Current-year graduates of the Antelope Valley College Respiratory Care A.S. program.
- **Priority 2:** Past Antelope Valley College Respiratory Care A.S. graduates.
- **Priority 3:** Graduates from other CoARC-accredited Respiratory Care programs who have completed an equivalent associate degree, are California licensure eligible, and have completed all required prerequisites and application materials.

Available seats are filled in priority order. If the number of qualified applicants exceeds the number of spaces, students are then ranked by priority and the BSRC Multi-Screening Criteria, which can be found on the program webpage. A temporary waiting list will be formed for the current enrollment period only; this list does not carry over to future application cycles.

Students are notified of their admission status via their AVC student email.

Note: Incomplete applications will not be reviewed.
Bachelor of Science in Respiratory Care Required Courses:

Course	Units
BIOL 304, A Survey of Emerging and Remerging Infectious Diseases	3
ENGL 315, Applied Technical Writing	3
PHIL 300, Bioethics	4
PSY 301, Organizational Behavioral Psychology	3
RCP 301, Advanced Cardiopulmonary Respiratory Care	3
RCP 302, Sleep Medicine and Respiratory Care	3
RCP 303, Advanced Respiratory Case Management	3
RCP 304, Principles of Health Education	3
RCP 305, Health Care Research Design and Methodology	3
RCP 306, Respiratory Care Leadership and Management I	3
RCP 401, Respiratory Care Leadership and Management II	3
RCP 402, Advanced Neonatal and Pediatric Respiratory Care	3
RCP 403, Respiratory Care Capstone Project	4

Program Learning Outcomes

Bachelor of Science Degree Respiratory Care

1. Apply knowledge of advanced Respiratory Care concepts and functions in Neonatal, pediatric, adult critical care, and leadership.
2. Draw on multiple sources of analysis, research, and critical thinking to address a problem and construct an applicable project focused on Respiratory Care.
3. Participate as a multidisciplinary team member in patient education and disease management of acute and chronic illnesses.
4. Integrate professional and ethical behavior with enhanced communication skills required for practice within the diverse field of respiratory care.

Respiratory Care/Therapy AS

1. 70% of a cohort will successfully complete the program within 2 years from admission.
2. Pass the national credentialing examinations and obtain state license to practice.
3. Apply critical thinking and information technology as the foundations for clinical decision making and patient care.
4. Collaborate with the patient, significant others, and members of the health care team to develop a plan of care.
5. Practice as a registered respiratory care practitioner within legal, ethical, professional, and regulatory standards of respiratory care practice.

Certificate Program

Certificate not applicable.

Associate Degree

Respiratory Care/Therapy AS

The respiratory care program serves the community by preparing students for careers in respiratory care. The course of study provides vocational education that leads to an associate in science degree. Students learn the knowledge, skills and attitudes that will enable them to take the national board examinations for respiratory care and become licensed by the Respiratory Care Board of California as a respiratory care practitioner. The graduate will be prepared to take the National Board of Respiratory Care registry examination. After successful completion of the National Board examination, graduates will be eligible for licensure anywhere in the United States.

Respiratory care practitioners work in a wide variety of settings to evaluate, treat, and manage patients of all ages with respiratory illnesses and other cardiopulmonary disorders. The respiratory care practitioner participates in clinical decision-making and patient education, develops and implements respiratory care plans, applies patient-driven protocols, utilizes evidence-based clinical practice guidelines, and participates in health promotion, disease prevention, and disease management.

The respiratory care practitioner may be required to exercise considerable independent judgment, under the supervision of a physician, in the respiratory care of patients.

Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree or certificate.

Program Requirements
Respiratory Care/Therapy AS (Total 68)

Complete all of the following	Units
Program Prerequisites (Total 20)	
Complete all of the following	
Any AVC GE Area 2	3
CHEM 101 - Introductory Chemistry	5
Prerequisites-BIOL 201 & 202 Or BIOL 203A & 203B (Total 8)	
Complete the following number of units: 8	
BIOL 201 - General Human Anatomy	4
BIOL 202 - General Human Physiology	4
BIOL 203A - General Human Anatomy and Physiology I	4
BIOL 203B - General Human Anatomy and Physiology II	4
Prerequisite English (Total 4)	
Complete the following number of units: 4	
ENGL C1000 - Academic Reading and Writing	4
ENGL C1000H - Academic Reading and Writing - Honors	4
Required Courses (Total 48)	
Complete all of the following	
RCP 101 - Fundamentals of Respiratory Care	6
RCP 103 - Concepts in Respiratory Care	6
RCP 104 - Respiratory Care Pharmacology	3
RCP 105 - Fundamentals of Clinical Respiratory Care	5
RCP 201 - Neonatal and Pediatric Respiratory Care	3
RCP 202 - Fundamentals of Intensive Respiratory Care	4
RCP 203 - Seminar and Practicum in Respiratory Care I	6
RCP 204 - Seminar and Practicum in Respiratory Care II	9
Communication (Total 3)	
Complete the following number of units: 3	
COMM C1000 - Introduction to Public Speaking	3
COMM C1000H - Introduction to Public Speaking - Honors	3
Psychology (Total 3)	
Complete the following number of units: 3	
PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3

Recommended Pathway Respiratory Care/Therapy AS	
Prior to Program	**Units**
Prerequisites-BIOL (BIOL 201 ***OR*** BIOL 203A)	4
Prerequisites-BIOL (BIOL 202 ***OR*** BIOL 203B)	4
CHEM 101 - Introductory Chemistry	5
AVC GE Area 2	3
ENGL C1000 - Academic Reading and Writing ***OR*** ENGL C1000H Academic Reading and Writing - Honors	4
	Total 20
First Fall in Program	
RCP 101 - Fundamentals of Respiratory Care	6
COMM C1000 - Introduction to Public Speaking ***OR*** COMM C1000 - Introduction to Public Speaking - Honors	3
AVC GE Area 6	3
	Total 12
First Spring in Program	
AVC GE Area 3	3
RCP 103 - Concepts in Respiratory Care	6
RCP 104 - Respiratory Care Pharmacology	3
	Total 12
Summer in Program	
RCP 105 - Fundamentals of Clinical Respiratory Care	5
	Total 5
Second Fall in Program	
RCP 201 - Neonatal and Pediatric Respiratory Care	3
RCP 202 - Fundamentals of Intensive Respiratory Care	4
RCP 203 - Seminar and Practicum in Respiratory Care I	6
	Total 13
Second Spring in Program	
PSYC C1000 - Introduction to Psychology ***OR*** PSYC C1000H - Introduction to Psychology - Honors	3
RCP 204 - Seminar and Practicum in Respiratory Care II	9
	Total 12
	Degree Total 74

Bachelor Degree

Bachelor of Science Degree Respiratory Care

The Bachelor of Science Degree Program in Respiratory Care allows graduates of Associate in Science (A.S.) Degree in Respiratory Care programs and licensed Respiratory Care Practitioners (RCP) a pathway to complete their four-year degree without having to transfer to a four-year college or university. The curriculum provides an advanced scope of practice education with an emphasis on advanced cardiopulmonary pathophysiology, advanced respiratory case management, advanced respiratory neonatal/pediatrics, health education in respiratory care, research methodology, quantitative principles, respiratory care sleep medicine, and respiratory care leadership and management. Increasingly, Respiratory Care Practitioners hold responsibilities formerly conducted by physicians requiring a greater level of critical thinking and analytical skills.

Note: All courses designated as an upper division major requirement must be completed with a minimum grade of "C" (or "P") for each course in the major.

Program Requirements
Bachelor of Science in Respiratory Care (Total 121)

Complete all of the following	**Units**
Program Prerequisites (Total 70)	
Complete all of the following	
CHEM 101 - Introductory Chemistry	5
ENGL 115 - Introduction to Technical Communication	3
RCP 101 - Fundamentals of Respiratory Care	6
RCP 103 - Concepts in Respiratory Care	6
RCP 104 - Respiratory Care Pharmacology	3
RCP 105 - Fundamentals of Clinical Respiratory Care	5
RCP 201 - Neonatal and Pediatric Respiratory Care	3
RCP 202 - Fundamentals of Intensive Respiratory Care	4
RCP 203 - Seminar and Practicum in Respiratory Care I	6
RCP 204 - Seminar and Practicum in Respiratory Care II	9
Any AVC GE Area 2	3
Any AVC GE Area 3	3
Any AVC GE Area 4	3
Any AVC GE Area 6	3
BIOL Option: BIOL 201 & 202 or BIOL 203A & BIOL 203B (Total 8)	
Complete the following number of units: 8	
BIOL Option 1 (Total 8)	
Complete all of the following	
BIOL 201 - General Human Anatomy	4
BIOL 202 - General Human Physiology	4
BIOL Option 2 (Total 8)	
Complete all of the following	
BIOL 203A - General Human Anatomy and Physiology I	4
BIOL 203B - General Human Anatomy and Physiology II	4
Program Prerequisites - COMM Honors Option (Total 3)	
Complete the following number of units: 3	
COMM C1000 - Introduction to Public Speaking	3
COMM C1000H - Introduction to Public Speaking - Honors	3
Program Prerequisites - ENGL Honors Option (Total 4)	
Complete the following number of units: 4	
ENGL C1000 - Academic Reading and Writing	4
ENGL C1000H - Academic Reading and Writing - Honors	4
Program Prerequisites-PSYC Honors Option (Total 3)	
Complete the following number of units: 3	
PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3
Required Courses (Total 41)	
Complete all of the following	
BIOL 304 - A Survey of Emerging and Remerging Infectious Diseases	3
ENGL 315 - Applied Technical Writing	3
PHIL 300 - Bioethics	4
PSY 301 - Organizational Behavioral Psychology	3
RCP 301 - Advanced Cardiopulmonary Respiratory Care	3
RCP 302 - Sleep Medicine and Respiratory Care	3
RCP 303 - Advanced Respiratory Case Management	3
RCP 304 - Principles of Health Education	3
RCP 305 - Health Care Research Design and Methodology	3
RCP 306 - Respiratory Care Leadership and Management I	3
RCP 401 - Respiratory Care Leadership and Management II	3
RCP 402 - Advanced Neonatal and Pediatric Respiratory Care	3
RCP 403 - Respiratory Care Capstone Project	4

Recommended Pathway	
Pre-Program	**Units**
COMM C1000- Introduction to Public Speaking ***OR*** COMM C1000H - Introduction to Public Speaking - Honors	3
ENGL C1000 - Academic Reading and Writing ***OR*** ENGL C1000H - Academic Reading and Writing - Honors	4
PSYC C1000 - Introduction to Psychology ***OR*** PSYC C1000H - Introduction to Psychology - Honors	3
RCP 101 - Fundamentals of Respiratory Care	6
RCP 103 - Concepts in Respiratory Care	6
RCP 104 - Respiratory Care Pharmacology	3
RCP 105 - Fundamentals of Clinical Respiratory Care	5
RCP 201 - Neonatal and Pediatric Respiratory Care	3
RCP 202 - Fundamentals of Intensive Respiratory Care	4
RCP 203 - Seminar and Practicum in Respiratory Care I	6
RCP 204 - Seminar and Practicum in Respiratory Care II	9
BIOL Option (BIOL 201 ***OR*** BIOL 202 ***OR*** BIOL 203A ***OR*** BIOL 203B)	4
BIOL Option (BIOL 201 ***OR*** BIOL 202 ***OR*** BIOL 203A ***OR*** BIOL 203B)	4
CHEM 101 - Introductory Chemistry	5
AVC GE Area 4	3
AVC GE Area 2	3
AVC GE Area 3	3
ENGL 115 - Introduction to Technical Communication	3
AVC GE Area 6	3
	Total 80
Term 1 Fall	
RCP 301 - Advanced Cardiopulmonary Respiratory Care	3
PSY 301 - Organizational Behavioral Psychology	3
RCP 302 - Sleep Medicine and Respiratory Care	3
	Total 9
Term 2 Spring	
RCP 303 - Advanced Respiratory Case Management	3
ENGL 315 - Applied Technical Writing	3
RCP 304 - Principles of Health Education	3
	Total 9
Term 3 Summer	
RCP 305 - Health Care Research Design and Methodology	3
	Total 3
Term 4 Fall	
PHIL 300 - Bioethics	4
RCP 306 - Respiratory Care Leadership and Management I	3
RCP 401 - Respiratory Care Leadership and Management II	3
	Total 10
Term 5 Spring	
RCP 402 - Advanced Neonatal and Pediatric Respiratory Care	3
BIOL 304 - A Survey of Emerging and Remerging Infectious Diseases	3
RCP 403 - Respiratory Care Capstone Project	4
	Total 10
	Degree Total 121

Respiratory Care Courses

RCP 101 FUNDAMENTALS OF RESPIRATORY CARE

6 Units
Total Course Lecture Hours 90
Total Course Lab Hours 54
Limitation on Enrollment: *Formal admission to the Respiratory Care/Therapy Program.*
Prerequisite: *Completion of BIOL 101 with a grade of "C" or better. Completion of BIOL 201 with a grade of "C" or better. Completion of BIOL 202 with a grade of "C" or better. Completion of CHEM 101 with a grade of "C" or better. Completion of STAT C1000 (MATH 115) with a grade of "C" or better. Completion of ENGL C1000 (ENGL 101) with a grade of "C" or better.*
Corequisite: *Concurrent enrollment in RCP 102.*
This course introduces students to atmospheric physics, cardiopulmonary anatomy and physiology, blood gas chemistry, and ventilatory dynamics. Basic concepts of health and disease with emphasis on cardiopulmonary disorders, fundamentals of problem solving techniques, and safe handling of medical gases and equipment are studied. Students are introduced to selected respiratory care and diagnostic equipment, respiratory care techniques, and common problems encountered with respiratory care equipment. (AVC)

RCP 103 CONCEPTS IN RESPIRATORY CARE

6 Units
Total Course Lecture Hours 72
Total Course Lab Hours 108
Limitation on Enrollment: *Formal admission to Respiratory Care program.*
Prerequisite: *Completion of RCP 101 with a grade of "C" or better. Completion of RCP 102 with a grade of "C" or better. Completion of BIOL 201 with a grade of "C" or better. Completion of BIOL 202 with a grade of "C" or better. Completion of ENGL C1000 (ENGL 101) with a grade of "C" or better. Completion of STAT C1000 (MATH 115) with a grade of "C" or better.*
Corequisite: *Concurrent enrollment in RCP 104.*
This course provides the student with a survey of cardiopulmonary diseases commonly encountered by the respiratory care practitioner. Students practice in the role of the respiratory care practitioner in clinical assessment, diagnosis and treatment of patients with cardiopulmonary diseases in an acute care setting. (AVC)

RCP 104 RESPIRATORY CARE PHARMACOLOGY

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Formal admission to the Respiratory Care program.*

Prerequisite: *Completion of RCP 101 with a grade of "C" or better. Completion of RCP 102 with a grade of "C" or better. Completion of BIOL 201 with a grade of "C" or better. Completion of BIOL 202 with a grade of "C" or better. Completion of ENGL C1000 (ENGL 101) with a grade of "C" or better. Completion of STAT C1000 (MATH 115) with a grade of "C" or better.*

Corequisite: *Concurrent enrollment in RCP 103*

This course introduces the student to fundamental pharmacological concepts and applied pharmacology. Emphasis is placed on drug action and interaction as well as the practical aspects of routes of administration. National patient safety standards applying to pharmacology are discussed. (AVC)

RCP 105 FUNDAMENTALS OF CLINICAL RESPIRATORY CARE

5 Units

Total Course Lecture Hours 36

Total Course Lab Hours 162

Limitation on Enrollment: *Formal admission to Respiratory Care program.*

Prerequisite: *Completion of RCP 103, and RCP 104 with a grade of "C" or better.*

This course provides an introduction to mechanical ventilation concepts and selected therapeutic modalities. (AVC)

RCP 201 NEONATAL AND PEDIATRIC RESPIRATORY CARE

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Formal admission to Respiratory Care program.*

Prerequisite: *Completion of RCP 105 with a grade of "C" or better.*

Corequisite: *Concurrent enrollment in RCP 202 and RCP 203.*

This course provides an introduction to respiratory care of the neonatal and pediatric patient. Emphasis is placed upon growth and development, pathophysiology, clinical assessment, treatment, resuscitation, and mechanical ventilatory support. (AVC)

RCP 202 FUNDAMENTALS OF INTENSIVE RESPIRATORY CARE

4 Units

Total Course Lecture Hours 36

Total Course Lab Hours 108

Limitation on Enrollment: *Formal admission to Respiratory Care program.*

Prerequisite: *Completion of RCP 105 with a grade of "C" or better.*

Corequisite: *Concurrent enrollment in RCP 201 and RCP 203.*

This course provides theory and practice in respiratory care of the intensive care patient. Emphasis is placed upon the critical care environment, clinical assessment and monitoring, advanced airway management and continuous ventilatory support. (AVC)

RCP 203 SEMINAR AND PRACTICUM IN RESPIRATORY CARE I

6 Units

Total Course Lecture Hours 36

Total Course Lab Hours 216

Limitation on Enrollment: *Formal admission to Respiratory Care program.*

Prerequisite: *Completion of RCP 105 with a grade of "C" or better.*

Corequisite: *Concurrent enrollment in RCP 201 and RCP 202.*

This course provides theory and practice in respiratory care of the respiratory care patient. Emphasis is placed upon the perinatal and pediatric respiratory care patient, information competency and communication skills. Out-of-area travel may be required. (AVC)

RCP 204 SEMINAR AND PRACTICUM IN RESPIRATORY CARE II

9 Units

Total Course Lecture Hours 36

Total Course Lab Hours 378

Limitation on Enrollment: *Formal admission to Respiratory Care program.*

Prerequisite: *Completion of RCP 201, RCP 202 and RCP 203 with a grade of "C" or better.*

Instructional materials fee *required for this course and must be paid at registration.*

Historical, contemporary and technical issues germane to respiratory care as an allied health profession will be explored. Emphasis will be placed on issues relevant to current credentialing requirements. Preparation for post-graduate credentialing examination will be included in the course. (AVC)

RCP 301 ADVANCED CARDIOPULMONARY RESPIRATORY CARE

3 Units

Total Course Lecture Hours 54

Limitations on Enrollment: *Admission to the Bachelor of Science in Respiratory Care program.*

Complete lower division Respiratory Care coursework from a CoARC accredited program. Be a licensed RRT or licensure eligible.

Provides an analytical framework through which students will expand their knowledge of respiratory diseases, diagnostic procedures, and symptom management. Includes detailed assessment of cardiopulmonary and neuro respiratory diseases, the performance of diagnostic testing, medical interventions, and analysis of treatment benefits. (AVC)

RCP 302 SLEEP MEDICINE AND RESPIRATORY CARE

3 Units

Total Course Lecture Hours 54

Limitations on Enrollment: *Formal admission to the Bachelor of Science in Respiratory Care Program*

Prepares students to apply polysomnography to diagnose sleep disorders. Students will gain knowledge and skills related to the normal development of sleep patterns and demonstrate the ability to identify specific sleep disorders as well as score sleep stages and respiratory patterns. Emphasis is placed on pediatric and adult assessment, monitoring, and sleep disorders. (AVC)

RCP 303 ADVANCED RESPIRATORY CASE MANAGEMENT

3 Units

Total Course Lecture Hours 54

Limitations on Enrollment: *Admission to the Bachelor of Science in Respiratory Care Program.*

Applied case management in Respiratory Care highlighting facilitation, integration, coordination and transition of patients through the continuum of care. Students effectively apply strategies for collaboration between the case manager, the client, the payer and appropriate service personnel, in order to optimize the outcome while maintaining client privacy and confidentiality, health, and safety through advocacy and adherence to ethical, legal, accreditation, certification and regulator standards or guidelines. (AVC)

RCP 304 PRINCIPLES OF HEALTH EDUCATION

3 Units

Total Course Lecture Hours 54

Limitations on Enrollment: *Admission to the Bachelor of Science in Respiratory Care Program.*

Provides an analytical framework to teach adult learning theory and prepare the student to teach effectively in healthcare and classroom settings. Topics include learning styles, curriculum development, effective teaching techniques, and assessment of learning. (AVC)

RCP 305 HEALTH CARE RESEARCH DESIGN AND METHODOLOGY

3 Units

Total Course Lecture Hours 54

Limitations on Enrollment: *Admission to the Bachelor of Science in Respiratory Care program.*

Analysis of research design and methodology in health care and health sciences. Emphasis will include research evaluation and interpretation of results, design methodology, the planning and approval process, data collection and analysis, and communication and presentation of the results. (AVC)

RCP 306 RESPIRATORY CARE LEADERSHIP AND MANAGEMENT I

3 Units

Total Course Lecture Hours 54

Limitations on Enrollment: *Admission to the Bachelor of Science in Respiratory Care Program.*

Leadership and management theories in effective practices in the healthcare setting. Focuses on introducing roles and responsibilities of a leader and manager. Emphasis is placed on development of skills in leadership, communication, and critical thinking that facilitates positive change, and growth within the Respiratory Care profession. Specific attention is focused on the role of the transformational leader in assuring value, efficiency, and continuous quality improvement. (AVC)

RCP 401 RESPIRATORY CARE LEADERSHIP AND MANAGEMENT II

3 Units

Total Course Lecture Hours 54

Limitations on Enrollment: *Admission to the Bachelor of Science in Respiratory Care Program.*

Prerequisite: *Completion of RCP 306 with a C or better.*

Application of advanced level of skills learned in Respiratory Care Leadership and Management I through a case based model approach in various aspects of providing respiratory health care management. Students will identify and apply strategic models to analyze problems, formulate solutions, and make sound decisions. (AVC)

RCP 402 ADVANCED NEONATAL AND PEDIATRIC RESPIRATORY CARE

3 Units

Total Course Lecture Hours 54

Limitations on Enrollment: *Admission to the Bachelor of Science in Respiratory Care Program.*

Advanced concepts of neonatal and pediatric respiratory care. Emphasis placed on neonatal and pediatric: Anatomy, cardiopulmonary disease, pathophysiology, high risk procedures, transport, inter-professional collaboration and communication, professionalism, evidence-based medicine, quality assurance and the advanced therapeutic needs of children. Students will demonstrate competence in assessment skills, formulation of patient care plans and application of specific respiratory care modalities for neonatal and pediatric patients. (AVC)

RCP 403 RESPIRATORY CARE CAPSTONE PROJECT

4 Units

Total Course Lecture Hours 72

Limitations on Enrollment: *Admission to the Bachelor of Science in Respiratory Care Program.*

Prerequisite: *Completion of RCP 305, RCP 306 and RCP 401 with a C or better.*

Capstone course in Respiratory Care focuses in areas of advanced cardiopulmonary respiratory care, leadership and management, case management, research, education, or other special areas of interest. Students will identify and complete a project applying knowledge and skills learned in the program. Projects will be developed in collaboration with faculty and community members and are aligned with student areas of interest. (AVC)

Biology Course

BIOL 304 A SURVEY OF EMERGING AND REMERGING INFECTIOUS DISEASES

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be enrolled in an AVC bachelor's degree program to take this course.*

Prerequisite: *Completion of ENGL C1000 (ENGL 101).*

This is an upper division General Education course, covering a survey of selected emerging and re-emerging infectious diseases, addressing the Biological, Historical, Sociological, Geographical, and Epidemiological factors that have had an impact on the human populations worldwide throughout history. The content will cover the basic concepts of infectious disease agents (Viruses, Prions, Bacteria, Protozoa, and Helminths), human biology, and the Public Health measures used to identify, treat, and prevent these diseases. Also covered are the various human factors that have influenced the trends of these diseases, including historical events, Geopolitics, and cultural and Sociological changes affecting human populations. (AVC)

English Course

ENGL 315 APPLIED TECHNICAL WRITING

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be enrolled in an AVC bachelor's degree program to take this course.*

Prerequisite: *Completion of ENGL 115.*

Building on skills learned in the lower division technical writing course, this course provides extended, guided practice and instruction in understanding and writing for multiple audiences and multiple purposes in a technical environment. Students will develop skills in language choice as an aid to clarity, and students will learn principles of document design in both digital and conventional communication situations. Students will learn advanced research techniques and strategies while working on extended writing projects. Learning to work on multi-staged, collaborative projects will be central to this course. (CSU, AVC)

Philosophy Course

PHIL 300 BIOETHICS

4 Units

Total Course Lecture Hours 72

Limitations on Enrollment: *Enrollment is limited to students accepted into the Respiratory Care Baccalaureate Degree Program.*

This advanced-level course, mandatory for students in the Bachelor of Science in Respiratory Care program, dives into the utilization of ethical theories and moral judgment in resolving dilemmas within healthcare settings. The curriculum emphasizes enhancing self-awareness, honing critical thinking skills, and refining the ability to express thoughtful, well-argued positions both verbally and in writing. Course topics span across the Hippocratic tradition, virtues of healthcare professionals, balance between paternalism and patient autonomy, informed consent, confidentiality, genetic and reproductive ethics, perspectives on disability, end-of-life care, considerations surrounding seriously ill newborns and medical errors, discussions on medical futility versus technological advancements, the value and sanctity of life, and ethical aspects of healthcare resource allocation. (CSU, AVC)

Psychology Course

PSY 301 ORGANIZATIONAL BEHAVIORAL PSYCHOLOGY

3 Units

Total Course Lecture Hours 54

Limitation on Enrollment: *Must be enrolled in an AVC bachelor's degree program to take this course.*

Prerequisite: *PSYC C1000 (PSY 101) or PSYC C1000H (PSY 101H)*

This course offers an introduction and broad overview of the psychology of individual and group dynamics in the workplace. This course will examine topics such as organizational culture and structure, teamwork, group dynamics, managing change, conflict theory, motivation, and leadership. Emphasis is placed on applying course concepts to current workplace issues. (AVC)

Department Description

Sociology is both a scientific and a humanistic discipline. It is concerned with the study of systems of social action and their interrelations. The systems of action include, in increasing order of size and complexity: single social acts, social relationships, organizations, institutions, communities, and societies.

Survey courses focus on basic sociological theory and analytic techniques. There are also substantive courses in marriage and the family, and social problems.

The program includes a variety of courses and utilizes a number of teaching methods, including those which emphasize student participation through group and individual activity.

Program Learning Outcomes

Sociology AA-T

1. Define sociology, social structure, social stratification, race, ethnicity, gender, globalization, socialization, ethnocentrism, relativism, racism, sexism, and ageism.
2. Discuss and identify the social maintenance functions and dysfunctions of social inequality, global stratification, boundary maintenance systems, and the social construction of identify and group solidarity.
3. Compare and contrast the major theoretical perspectives of sociology, and identify the unique features of sociological analysis.
4. Interpret sociological research of both qualitative and quantitative empirical studies and demonstrate familiarity with the variety of sociological research methods and designs.

Certificate Program

Certificate not applicable.

Associate Degree

Sociology AA-T

The Associate in Arts in Sociology for Transfer (AA-T in Sociology) offers students a fundamental understanding of the field of Sociology and its various sub-fields, including social research methods, demographics, criminology, ethnic relations, family relations, the study of social problems, and the impact of drug policy on society. Additionally, students will gain knowledge through the application of the sociological perspective to their personal lives and contemporary social issues.

The Associate in Arts in Sociology for Transfer (AA-T in Sociology) degree meets the requirements of Senate Bill 1440 for Associate Degrees for Transfer (AD-T). This degree is intended to make it easier for students to transfer to California State University campuses but do not exclude admittance to other colleges or universities.

To earn an Associate in Arts in Sociology for Transfer degree (AA-T in Sociology) a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Sociology AA-T (Total 19)
Complete all of the following **Units**

Required Courses (Total 6)
Complete the following number of units: 6

SOCI C1000 - Introduction to Sociology	3
SOC 112 - American Social Issues: Problems and Challenges	3

Required Courses - choose one (Total 4)
Complete the following number of units: 4

STAT C1000 - Introduction to Statistics	4
STAT C1000H - Introduction to Statistics - Honors	4
MATH 116 - Introduction to Statistics Using R	4

List A (Total 6)
Complete the following number of units: 6

AJ 206 - Criminology	3
SOC 200 - Research Methods for the Social Sciences	3
SOC 110 - Ethnic Relations	3
SOC 116 - Sociology of Gender and Sexuality	3
SOC 115 - Modern Relationships and Family Life	3
PSY 230 - Social Psychology	3

List B (OR any course not already used from List A) (Total 3)
Complete the following number of units: 3

SOC 105 - The Mexican American in Contemporary Society	3
SOC 111 - Issues and Concepts in Aging	3
SOC 120 - Drugs, Society and Human Behavior	3

Recommended Pathway

Term 1	**Units**
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 3A	3
SOCI C1000 - Introduction to Sociology	3
General Elective	2
General Elective	3
	Total 15
Term 2	
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 2 (STAT C1000)	4
SOC 112 - American Social Issues: Problems and Challenges	3
Cal-GETC GE Area 4	3
Cal-GETC GE Area 5	3
	Total 16
Term 3	
List A (SOC 200)	3
List A (see list)	3
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 3B	3
General Elective	3
	Total 15
Term 4	
Cal-GETC GE Area 5B	3
Cal-GETC GE Area 5C	1
Cal-GETC GE Area 6	3
List B (see list)	3
General Elective	3
General Elective	1
	Total 14
	Degree Total 60

Sociology Courses

SOC 105 THE MEXICAN AMERICAN IN CONTEMPORARY SOCIETY

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of SOC 101*

This course provides a broad social and historical study of the major characteristics of the second largest minority in the United States and the largest in the Southwest. Attention will be given to the ethnic, sexual, social, educational, cultural, economic, and political elements which differentiate the Mexican-American from the dominant and other groups in the United States. Issues of racism and sexism will be explicitly covered. (UC, CSU, AVC)

SOC 110 ETHNIC RELATIONS

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of SOC 101.*

This course is a study of the sociological, historical, and political components of race and ethnic relations in the United States and the effect that this has had in regard to globalization. Major ethnic and racial groups, including minorities within these groups, will be examined in detail utilizing sociological theories and perspectives including; African-American, Hispanic, Middle Eastern, Asian, Pacific Islander and Native American ethnic groups. Questions concerning techniques designed to promote peaceful and successful interaction will also be reviewed. (C-ID: SOCI 150) (UC, CSU, AVC)

SOC 111 ISSUES AND CONCEPTS IN AGING

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of SOCI C1000 or SOCI C1000H.*

This course provides an introductory study of the social, psychological, demographic, and physical aspects of growing older in American society, with an emphasis on health, finances, retirement, interpersonal and intergenerational relations. The course includes examination of theories explaining psychological and sociological adjustment to aging, as well as issues concerning death and dying. (UC, CSU, AVC)

SOC 112 AMERICAN SOCIAL ISSUES: PROBLEMS AND CHALLENGES

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of SOC 101.*

This course is designed to acquaint the student with the major This course is designed to acquaint the student with the major social issues and problems facing contemporary American society. This course focuses on the origins, sustaining causes, implications, and possible solutions to societal issues. While emphasis will be on the national level, substantial input will also be placed on local and international events and situations. Emerging concepts such as globalization will also be addressed. (C-ID: SOCI 115) (UC, CSU, AVC)

SOC 115 MODERN RELATIONSHIPS AND FAMILY LIFE

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of SOC 101.*

This course provides a study of the American family, both past and present from a sociological perspective. Included are the psychological, historical, economic, ethical, and legal aspects of courtship, marriage, child-rearing, and family life. The character of ethnic influence on the form and function of families will be emphasized. (C-ID: SOCI 130) (UC, CSU, AVC)

SOC 116 SOCIOLOGY OF GENDER AND SEXUALITY

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of SOC 101.*

Sociology of Gender and Sexuality is the balanced study of the historical, political, and sociological components of gender relations in the United States; including a comparison and contrast of gender relations in other countries and the effect that this has had in regard to globalization. This course will examine the masculine, the feminine and third gender in detail utilizing sociological theory and perspectives, concepts and key terminology. The basic tools of sociological theory and analysis will be presented to increase students' understanding of the topic. (C-ID: SOCI 140) (UC, CSU, AVC)

SOC 120 DRUGS, SOCIETY AND HUMAN BEHAVIOR

3 Units

Total Course Lecture Hours 54

Advisory: *Completion of SOC 101.*

This course offers an overview of the historical and contemporary role of alcohol and other drugs in our society, with an emphasis on patterns of drug use and abuse. Course content includes a discussion of both legal and illegal drugs, research in support of theories of drug abuse and prevention, a detailed discussion of the major pharmacological classes of drugs, the connection between drug use, crime and violence, and a thorough comparison of models of drug treatment. A field trip to a recovery or rehabilitation program is an important component of this class. (UC, CSU, AVC)

SOC 200 RESEARCH METHODS FOR THE SOCIAL SCIENCES

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of STAT C1000 or STAT C1000H and SOCI C1000 or SOCI C1000H.*

This course is designed to introduce students to the process of empirical research. It covers both qualitative and quantitative research analysis and both experimental and non-experimental research strategies in detail, including surveys, observational, case studies, and comparative historical research. The practical application of these methods in a contemporary setting is emphasized. Ethical issues will be examined for human and non-human subjects as well as an overview of computer applications frequently used in social science data analysis. (C-ID: SOCI 120) (UC, CSU, AVC)

SOCI C1000 INTRODUCTION TO SOCIOLOGY

3 Units

Total Course Lecture Hours 54

This course introduces students to Sociology: the study of people, groups, and institutions that shape people's lives. Through a mix of theory, research, and real-world examples, students explore key sociological concepts like culture, inequality, power, collective action, and social change. With content reflecting diverse histories and lived experiences, students make connections between their lives and the social forces that influence individual opportunities and choices. Students in this course will develop a critical lens that allows them to better understand and transform themselves and society. Formerly SOC 101 (C-ID: SOCI 110) (UC, CSU, AVC)

SOCI C1000H INTRODUCTION TO SOCIOLOGY - HONORS

3 Units

Total Course Lecture Hours 54

Advisory: *Eligibility for ENGL C1000 or ENGL C1000H or placement by multiple measures.*

This course introduces students to Sociology: the study of people, groups, and institutions that shape people's lives. Through a mix of theory, research, and real-world examples, students explore key sociological concepts like culture, inequality, power, collective action, and social change. With content reflecting diverse histories and lived experiences, students make connections between their lives and the social forces that influence individual opportunities and choices. Students in this course will develop a critical lens that allows them to better understand and transform themselves and society. This is an honors course.

Course objectives include the ability to apply sociological ideas to everyday human behavior and the appreciation of societal problem. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. Formerly SOC 101H (C-ID: SOCI 110) (UC, CSU, AVC) Note: Students may take either SOCI C1000 Introduction to Sociology or SOCI C1000H Introduction to Sociology - Honors. Duplicate credit will not be awarded.

Department Description

Spanish language studies broaden communicative skills, increase transfer options to four-year universities with foreign language requirements, and offer the ability to communicate effectively in a second language. Spanish studies further provide an understanding of the richness of Peninsular and Latin American cultural variety, while fostering an appreciation for a heritage that is also part of the larger United States culture. Professionally, it opens new job opportunities and offers salary increments in certain occupations.

In addition to classroom instruction, students engage with literature, music, videos, film, and computer programs, as well as potential cultural field trips.

Program Learning Outcomes

Spanish AA-T

1. Employ with increasing mastery the use of grammatical structures, in oral and written form, with an increasing ability to communicate at an Intermediate Mid-level to Intermediate-High level.
2. Compare and contrast, in Spanish, important socio-political, historical and cultural differences between the country/countries where Spanish is spoken and the United States.
3. Evaluate authentic texts at an Intermediate-Mid to an Intermediate-High level; analyze excerpts of Hispanic literary work using terminology such as authors' use of character, setting, description, and imagery.

Associate Degree

Spanish AA-T

The knowledge and skills offered in the Associate in Arts in Spanish for Transfer (AA-T in Spanish) degree will allow students to develop a foundational understanding in the study of Spanish including grammar, composition, oral expression, culture and literary analysis. In addition, these skills will provide tools for analysis of and investigation into local, national and global topics within the discipline.

The Associate in Arts in Spanish for Transfer (AA-T in Spanish) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn an Associate in Arts in Spanish for Transfer (AA-T in Spanish) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Spanish AA-T (Total 18-23)
Complete the following number of units: 18-23

Required Core Courses (Total 10 - 20)
Complete all of the following
Students are to choose from this list first based on entrance exam (Total 10 - 20)
Complete all of the following
Required Courses unless student places at a higher level (Total 0 - 10)

Complete the following number of units: 0-10	**Units**
SPAN 101 - Elementary Spanish 1	5
SPAN 102 - Elementary Spanish 2	5

Spanish Option I (Total 5)
Complete the following number of units: 5

SPAN 110SS - Spanish for Heritage Speakers I	5
SPAN 201 - Intermediate Spanish 1	5

Spanish Option II (Total 5)
Complete the following number of units: 5

SPAN 202 - Intermediate Spanish 2	5
SPAN 210SS - Spanish for Heritage Speakers II	5

List A (Total 3)
Complete all of the following

SPAN 203 - Introduction to Hispanic Literature	3

Substitution courses: If a student places out of any core course(s) and is not awarded units for that course, the student will need to take additional units to compensate for the course/units required to reach at least 18 total units in the major (Total 0 - 5)
Complete the following number of units: 0-5

ANTH 110 - Latin American & Caribbean Cultures	3
ENGL 256 - Latinx/e Literature	3
FREN 101 - Elementary French 1	5
GER 101 - Elementary German 1	5
HIST 115 - Cultural History of Mexico	3
HIST 119 - History of Latin America and the Caribbean	3
LATN 101 - Elementary Latin 1	5
SOC 105 - The Mexican American in Contemporary Society	3
SPAN 220SS - Composition and Conversation	5

Recommended Pathway
Heritage Track

Term 1	
SPAN 110SS - Spanish for Heritage Speakers I	5
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 2 (MATH 110 ***OR*** STAT C1000)	3-4
Cal-GETC GE Area 1C	3
Total 15-16	

Term 2	
SPAN 210SS - Spanish for Heritage Speakers II	5
Cal-GETC GE Area 5A (ASTR C1001 ***OR*** GEOG 101 ***OR*** GEOG 102 ***OR*** GEOL 101 ***OR*** GEOL 102)	3
Cal-GETC GE Area 5C	1
Cal-GETC GE Area 4 (SOC 105)	3
Cal-GETC GE Area 1B (ENGL C1002)	3
Total 15	

Term 3	Units
General Elective	3
	Total 3
Term 4	
Substitution Courses (SPAN 220SS)	5
Cal-GETC GE Area 5B	3
Cal-GETC GE Area 6	3
General Elective	3
	Total 14
Term 5	
List A (SPAN 203)	3
Cal-GETC GE Area 3A	3
Cal-GETC GE Area 3B (HIST 115)	3
Cal-GETC GE Area 4 (HIST 119)	3
General Elective	1
	Total 13
	Degree Total 60

Recommended Pathway
Spanish as a Second Language Track

Summer Term	Units
SPAN 101 - Elementary Spanish 1	5
	Total 5
Term 1	
SPAN 102 - Elementary Spanish 2	5
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 4 (HIST 119)	3
Cal-GETC GE Area 2 (MATH 110 ***OR*** STAT C1000)	3-4
	Total 15-16
Term 2	
SPAN 201 - Intermediate Spanish 1	5
Cal-GETC GE Area 5A (ASTR C1001 ***OR*** GEOG 101 ***OR*** GEOG 102 ***OR*** GEOL 101 ***OR*** GEOL 102)	3
Cal-GETC GE Area 5C	1
Cal-GETC GE Area 4 (SOC 105)	3
Cal-GETC GE Area 1B (ENGL C1002)	3
	Total 15
Term 3	
SPAN 202 - Intermediate Spanish II	5
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 3B (HIST 115)	3
Cal-GETC GE Area 5B (ANTH 101 ***OR*** BIOL C1001 ***OR*** BIOL 102 ***OR*** BIOL 103 ***OR*** BIOL 104 ***OR*** BIOL 201 ***OR*** BIOL 202)	3-4
	Total 14-15
Term 4	
List A (SPAN 203)	3
Cal-GETC GE Area 3A	3
Cal-GETC GE Area 6	3
General Elective	2
	Total 11
	Degree Total 60

Spanish Courses

SPAN 101 ELEMENTARY SPANISH 1

5 Units

Total Course Lecture Hours 90

Introduction to understanding, speaking, reading and writing Spanish. Emphasis is on the vocabulary, grammar and cultural knowledge necessary to communicate in everyday situations. Course will include work in pairs and small groups so that students will be active learners. The basic geography and history of Spanish-speaking countries will also be covered. The course will be conducted 90 percent in Spanish. (C-ID: SPAN 100) (UC, CSU, AVC)

SPAN 102 ELEMENTARY SPANISH 2

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of SPAN 101.*

Course continues the work of SPAN 101 on understanding, speaking, reading and writing Spanish. Emphasis is on the vocabulary, grammar and cultural knowledge necessary to communicate in everyday situations. Course will include work in pairs and small groups so that students will be active learners. A more in-depth knowledge of geography and history of Spanish-speaking countries will also be covered. The course will be conducted entirely in Spanish. (C-ID: SPAN 110) (UC, CSU, AVC)

SPAN 110SS SPANISH FOR HERITAGE SPEAKERS I

5 Units

Total Course Lecture Hours 90

Advisory: *Completion of SPAN 102 or the ability to communicate in Spanish.*

This course is designed for heritage speakers of Spanish or other linguistically qualified students. This course will develop understanding, speaking, reading, and writing in Spanish. Heritage speakers will further develop the spoken language they have already learned and acquire more knowledge about their language and cultural heritage. Students will also enhance their reading and writing skills using academic Spanish vocabulary, and develop their critical thinking skills by reading, analyzing, and critiquing different literary pieces, and historical and current events. This course will be conducted entirely in Spanish. Note: Students must be native speakers or heritage language speakers. A native speaker or heritage speaker is someone who was born in a Spanish speaking country and/or speaks Spanish at home. A heritage language speaker may also be an individual who has learned Spanish in a non-academic setting. (C-ID: SPAN 220) (UC, CSU, AVC)

SPAN 201 INTERMEDIATE SPANISH 1

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of SPAN 102 or SPAN 210SS.*

This course will develop students' reading, writing, listening, and speaking ability. A variety of texts, including contemporary short stories will be read and discussed. Several contemporary issues will be covered in-depth. Students will also see videos, sing songs and hear short lectures. Class work includes reading aloud, working in groups or pairs, and review of grammar and practice exercises. The major historical periods, events, cultures, and political figures of Spanish-speaking countries will be introduced. The course is conducted entirely in Spanish. (C-ID: SPAN 200) (UC, CSU, AVC)

SPAN 202 INTERMEDIATE SPANISH 2

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of SPAN 201.*

Course continues to develop students ability to read, write, speak, and comprehend Spanish. Students will read and discuss intermediate literary and non-literary texts. Grammar will be reviewed as necessary through brief lectures and exercises. Major twentieth century Spanish authors will be introduced through readings and discussion. Cultural and social issues will be discussed. The course will be conducted entirely in Spanish. (C-ID: SPAN 210) (UC, CSU, AVC)

SPAN 203 INTRODUCTION TO HISPANIC LITERATURE

3 Units

Total Course Lecture Hours 54

Prerequisite: *Completion of or concurrent enrollment in SPAN 202 or SPAN 210SS.*

Students will become proficient at reading, analyzing, and discussing major literary texts in Spanish from Latin America and Spain. Course includes advanced vocabulary building, essay writing and critical analysis of literature. The course will be conducted entirely in Spanish. (UC, CSU, AVC)

SPAN 210SS SPANISH FOR HERITAGE SPEAKERS II

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of SPAN 110SS or SPAN 201.*

This course continues the work of SPAN 110SS on developing understanding, speaking, reading, and writing in Spanish. Students will also continue enhancing their reading and writing skills using academic Spanish vocabulary and develop their critical thinking skills by reading, analyzing, and critiquing different literary pieces, historical and current events. It offers heritage speakers a more in-depth study of their language and cultural heritage and opportunities to further develop and enhance the spoken language acquired in SPAN 110SS. The course will be conducted entirely in Spanish. Note: Students must be native speakers or heritage language speaker. A native speaker or heritage speaker is someone who was born in a Spanish speaking country and/or speaks Spanish at home. A heritage language speaker may also be an individual who has learned Spanish in a non-academic setting. (C-ID: SPAN 230) (UC, CSU, AVC)

SPAN 220SS COMPOSITION AND CONVERSATION

5 Units

Total Course Lecture Hours 90

Prerequisite: *Completion of SPAN 110SS or SPAN 201.*

This course continues to develop Spanish language proficiency after SPAN 210SS and focuses on text analysis, general academic writing, and the refining of formal modes of presentation and the sustained study of grammar and vocabulary with emphasis on complex structures. It is intended for heritage speakers of Spanish or other linguistically qualified students who wish to increase their oral and writing skills in the context of themes, topics, and the literary and cultural production of the US Hispanic population. This course familiarizes students with authentic texts written in different styles to provide a platform from which to practice the presentational modes of writing, such as description, narration, exposition, and argumentation. (UC, CSU, AVC)

Department Description

Theatre Arts is a dynamic and collaborative art form that encompasses both performance and technical production. The Theatre Arts Program offer hands-on, production-oriented courses that provide students and community members with opportunities to participate in public performances, alongside academic courses in theatre. Departmental productions are an integral part of the curriculum, serving as practical applications of the theories and techniques explored in coursework. The degree and certificate programs offer a comprehensive range of courses, providing students with a well-rounded foundation in all aspects of theatre. Whether students plan to transfer to a four-year institution, earn a certificate, fulfill general education requirements, or expand their artistic perspective, the programs foster creativity, technical skills, and an appreciation for the art of theatre. Theatre Arts disciplines develop creative, practical, and transferable skills that support a range of career pathways in the arts, entertainment, and related industries.

Program Learning Outcomes

Technical Theatre Cert

1. Students will develop an understanding of technical theatre production concepts, elements, terminology, and application.
2. Students will collaborate with others towards a culmination of a theatrical production or relevant live performance.
3. Students will apply critical thinking skills by researching, analyzing, and interpreting dramatic literature and theatre arts as it relates to technical theatre production.
4. Students will have hands-on experience in technical theatre to assist with gaining employment.

Theatre Arts AA-T

1. Students will develop an understanding and analysis of theatre concepts, elements, application, and terminology.
2. Students will collaborate with others in the performance and/or production(s) of theatrical works.
3. Students will apply critical thinking skills by researching, analyzing, and interpreting theatrical texts and demonstrating fundamental knowledge in specific theatrical areas.

Certificate Program

Technical Theatre Cert

The Technical Theatre Certificate provides rigorous academic instruction, hands-on practical training, and experiential learning in several areas of technical theater production. Through coursework and practical work on theatrical productions, students are trained in stagecraft, lighting, sound, scenic and prop construction, projection/video virtual production, stage management, costuming, and make-up. Students will work with advanced technology and materials in intelligent lighting systems, audio equipment, video projection equipment, stage machinery, set construction, scenic painting, and costume construction and design. Internship, mentorship, and entry level job opportunities in the industry may be made available to candidates who meet and exceed expectations.

Program Requirements
Technical Theatre Certificate (Total 16 - 22)
Complete all of the following

Required Courses (Total 9)
Complete all of the following

THA 102 - Introduction to Stagecraft	3
THA 103 - Introduction to Stage Lighting	3
THA 106 - Introduction to Theatre Design	3

Required Course (Total 3)
Complete the following number of units: 3

THA 121A - Technical Theatre Production	1
THA 121B - Technical Theatre Production	2
THA 121C - Technical Theatre Production	3

Electives - Choose two (2) to three (3) courses (Total 4 - 10)
Complete the following number of units: 4-10

AM 135A - 3D Solid Modeling I using CATIA/3DExperience	3
ART 110 - Drawing	3
ART 113 - Painting I	3
ART 121 - Digital Art and Drawing	3
ART 145 - 2-D Design Basics	3
ELEC 110 - Fundamentals of Electricity	4
MUSC 100 - Introduction to Music Technology	3
THA 101 - Introduction to Theatre	3
WELD 101 - Welding Fundamentals	2
WELD 110 - Oxyacetylene Welding, Cutting and Brazing	2

Recommended Sequence 2

Semester 1	Units
THA 102 - Introduction to Stagecraft	3
THA 106 - Introduction to Theatre Design	3
THA 121A - Technical Theatre Production	1
Electives (MUSC 100)	3
	Total 10
Semester 2	
THA 103 - Introduction to Stage Lighting	3
THA 121B - Technical Theatre Production	2
Electives (ART 110)	3
Electives (WELD 101)	2
	Total 10
	Certificate Total 20

Recommended Sequence

Semester 1	Units
THA 102 - Introduction to Stagecraft	3
THA 106 - Introduction to Theatre Design	3
THA 121A - Technical Theatre Production	1
Electives (THA 101)	3
	Total 10
Semester 2	
THA 103 - Introduction to Stage Lighting	3
THA 121B - Technical Theatre Production	2
Electives (MUSC 100)	3
Electives (ELEC 110)	4
	Total 12
	Certificate Total 22

Associate Degree

Theatre Arts AA-T

The Associate in Arts in Theatre Arts for Transfer (AA-T in Theatre Arts) is designed to provide students with the lower-division major preparation for transfer to a four-year university with a major in theatre arts. AVC's AA-T in Theatre Arts program enriches students' aesthetic and intellectual proficiency and builds a solid foundation in the practical, artistic, and historical elements of theatre.

AVC's Theatre Arts offers a comprehensive program providing students with quality academic training which is reinforced with hands-on experience in live performances at our state-of-the art space and Black Box Theatre venue. Theatre Arts provides a multidisciplinary approach to the study of theatre with an emphasis that includes, but not limited to, acting, directing, scenery, costuming, lighting, history, and script analysis.

Career opportunities for theatre professionals are diverse and serve people at all stages of life. Some examples include live theatrical presentations and performances; recorded mediums (including: film, television, radio, video, computer games); large public events and conventions: recreation (including amusement parks and attractions); and arts and education programming in both the private and public sectors.

The Associate in Arts in Theatre Arts for Transfer (AA-T in Theatre Arts) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn an Associate in Arts in Theatre Arts for Transfer (AA-T in Theatre Arts) degree a student must complete the following:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses.
- A minimum of 18-semester units in a major or area of emphasis, as determined by the community college district
- Completion of the Cal-GETC pattern
- Minimum grade of "C" (or "P") for each course in the major
- Minimum overall grade point average of 2.0

Program Requirements
Theatre Arts AA-T (Total 18)
Complete the following number of units: 18

Required Core (Total 9)	**Units**
Complete the following number of units: 9	
Required Course - Choose 3 units (Total 3)	
Complete the following number of units: 3	
THA 101 - Introduction to Theatre	3
THA 101H - Introduction to Theatre Honors	3
THA 111 - Theatre History I	3
Required Course (Total 3)	
Complete all of the following	
THA110 - Fundamentals of Acting	3
Required Course - Choose 3 units (Total 3)	
Complete the following number of units: 3	
THA 115A - Rehearsal and Performance: Drama	1
THA 115B - Rehearsal & Performance: Drama	2
THA 115C - Rehearsal & Performance: Drama	3
THA 116A - Rehearsal and Performance: Comedy	1
THA 116B - Rehearsal and Performance: Comedy	2
THA 116C - Rehearsal and Performance: Comedy	3
THA 117A - Rehearsal and Performance: Musical Theatre	1
THA 117B - Rehearsal and Performance: Musical Theatre	2
THA 117C - Rehearsal and Performance: Musical Theatre	3
THA 118A - Rehearsal and Performance: Theatre for Young Audiences	1
THA 118B - Rehearsal and Performance: Theatre for Young Audiences	2
THA 118C - Rehearsal and Performance: Theatre for Young Audiences	3
THA 119A - Rehearsal and Performance: New Works, One Acts, or Small Venue Performance	1
THA 119B - Rehearsal and Performance: New Works, One Acts, or Small Venue Performance	2
THA 119C - Rehearsal and Performance: New Works, One Acts, or Small Venue Performance	3
THA 121A - Technical Theatre Production	1
THA 121B - Technical Theatre Production	2
THA 121C - Technical Theatre Production	3

List A - Select 3 Courses (Total 9)	
Complete the following number of units: 9	
List A - Choose up to 3 units (Total 0 - 3)	
Complete the following number of units: 0-3	
THA 125 - Intermediate Acting Workshop	3
THA 215 - Acting for the Camera	3
List A - Choose up to 3 units (Total 0 - 3)	
Complete the following number of units: 0-3	
THA 225 - Script Analysis	3
THA 239 - Intercultural and Women's Theatre	3
THA 239H - Intercultural and Women's Theatre Honors	3
THA 240 - LGBTQ+ Theatre	3
List A - Choose up to 9 units (Total 0 - 9)	
Complete the following number of units: 0-9	
THA 102 - Introduction to Stagecraft	3
THA 103 - Introduction to Stage Lighting	3
THA 104 - Introduction to Costume Design for Theatre	3
THA 106 - Introduction to Theatre Design	3
THA 133 - Makeup for the Stage	3

List A - Choose up to 3 units (Total 0 - 3)
Complete the following number of units: 0-3

THA 115A - Rehearsal and Performance: Drama	1
THA 115B - Rehearsal & Performance: Drama	2
THA 115C - Rehearsal & Performance: Drama	3
THA 116A - Rehearsal and Performance: Comedy	1
THA 116B - Rehearsal and Performance: Comedy	2
THA 116C - Rehearsal and Performance: Comedy	3
THA 117A - Rehearsal and Performance: Musical Theatre	1
THA 117B - Rehearsal and Performance: Musical Theatre	2
THA 117C - Rehearsal and Performance: Musical Theatre	3
THA 118A - Rehearsal and Performance: Theatre for Young Audiences	1
THA 118B - Rehearsal and Performance: Theatre for Young Audiences	2
THA 118C - Rehearsal and Performance: Theatre for Young Audiences	3
THA 119A - Rehearsal and Performance: New Works, One Acts, or Small Venue Performance	1
THA 119B - Rehearsal and Performance: New Works, One Acts, or Small Venue Performance	2
THA 119C - Rehearsal and Performance: New Works, One Acts, or Small Venue Performance	3
THA 121A - Technical Theatre Production	1
THA 121B - Technical Theatre Production	2
THA 121C - Technical Theatre Production	3

Recommended Pathway

Term 1	**Units**
Cal-GETC GE Area 1A (ENGL C1000)	4
Cal-GETC GE Area 2 (MATH 110)	3
Cal-GETC GE Area 3A (THA 101)	3
List A (THA 106)	3
List A (THA 115C)	3
	Total 16
Term 2	
THA 110 - Fundamentals of Acting	3
Cal-GETC GE Area 1B	3
Cal-GETC GE Area 1C	3
Cal-GETC GE Area 4	3
THA 119C - Rehearsal and Performance: New Works, One Acts, or Small Venue Performance	3
	Total 15
Term 3	
Cal-GETC GE Area 3B (THA 239)	3
Cal-GETC GE Area 4	3
Cal-GETC GE Area 5A	3
General Elective	3
List A (THA 125)	3
	Total 15
Term 4	
Cal-GETC GE Area 6 (ENGL 257)	3
General Elective	3
General Elective	3
General Elective	1
Cal-GETC GE Area 5B (ANTH 101)	3
Cal-GETC GE Area 5C (ANTH 101L)	1
	Total 14
	Degree Total 60

Theatre Arts Courses

THA 101 INTRODUCTION TO THEATRE

3 Units
Total Course Lecture Hours 54

A broad-based introduction to the various elements of theatre including interpretation of plays, understanding of the various elements of a play in production, and survey of theater history and the development of the dramatic form. Play readings are supplemented by discussions and audiovisual aids to increase the student's understanding of the play in performance. (C-ID: THTR 111) (UC, CSU, AVC)

THA 101H INTRODUCTION TO THEATRE HONORS

3 Units
Total Course Lecture Hours 54

This honors course, intended for students in the Honors Transfer Program, is a broad-based introduction to the various elements of theater including interpretation of plays, understanding of the various elements of a play in production, and survey of theater history and the development of the dramatic form. Play readings are supplemented by discussions and audiovisual aids to increase the student's understanding of the play in performance. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. (UC, CSU, AVC) Note: Students may take either THA 101 Introduction to Theatre or THA 101H Introduction to Theatre Honors. Duplicate credit will not be awarded.

THA 102 INTRODUCTION TO STAGECRAFT

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27

A broad based introduction to technical theatre including basic principles of scenic design, construction, painting, and handling of scenery and scenic effects, prop construction, backstage organization, career opportunities and safety procedures within the operation of the stage. Also included is an introduction to the basic elements of scenic design which allows the student to develop an aesthetic understanding for theatrical productions relating to stagecraft. Hours may include working on AVC theatrical productions. (C-ID: THTR 171) (UC, CSU, AVC)

THA 103 INTRODUCTION TO STAGE LIGHTING

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27

This course focuses on the study and execution of stage lighting with an emphasis on equipment, controls, color and their relationship to design. It introduces students to the fundamentals of electricity as it applies to theatrical lighting. These elements are incorporated into an introduction to the basic concepts of lighting design, which allows the student to develop an aesthetic understanding of theatrical productions through lighting. Additional hours may be required for AVC theatrical productions. (C-ID: THTR 173) (UC, CSU, AVC)

THA 104 INTRODUCTION TO COSTUME DESIGN FOR THEATRE

3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54
Instructional materials fee *required for this course and must be paid at registration.*
This course explores the process of costume design from script to stage. Students learn to see as a designer, think like an artist, and communicate ideas visually and verbally. A study of the history of the costume and clothing as an expression and indicator of status, class, culture, and historical era is also covered. The class also uses projects to enhance practical design and sewing skills. Note: Course hours may include work on AVC theatre arts productions. (C-ID: THTR 174) (UC, CSU, AVC)

THA 106 INTRODUCTION TO THEATRE DESIGN

3 Units
Total Course Lecture Hours 54
Introduction to theatre design with an emphasis on the technical elements and principals of design incorporated for staging live theatrical events. Survey of scenery, lighting, sound, costumes, makeup, properties, theatrical equipment and construction techniques. Students will also gain an understanding and appreciation for designers and their contribution to live performance. (CSU, AVC)

THA 110 FUNDAMENTALS OF ACTING

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27
Introduction to the various techniques and methods of acting, emphasizing theater games, improvisation, mime, observation, concentration, and physical release which are intended to unleash the actors imagination and intuition. The student will also be introduced to the fundamentals of text and character analysis applied to the performance of a monologue. (C-ID: THTR 151) (UC, CSU, AVC)

THA 111 THEATRE HISTORY I

3 Units
Total Course Lecture Hours 54
The study of the history of theatre from the Origins of Theatre- East and West- through the 20th Century. The history and development of theatre are studied in relationship to cultural, political, and social conditions of the time. Plays are read for analysis of structure, plot, character, and historical relevance. (UC, CSU, AVC)

THA 115A REHEARSAL AND PERFORMANCE: DRAMA

1 Unit
Total Course Lab Hours 54
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in a dramatic play or serving in a specific production-related function assigned by the director. (C-ID: THTR 191) (UC, CSU, AVC) (R3)

THA 115B REHEARSAL & PERFORMANCE: DRAMA

2 Units
Total Course Lab Hours 108
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in a dramatic play or serving in a specific production-related function assigned by the director. (C-ID: THTR 191) (UC, CSU, AVC) (R3)

THA 115C REHEARSAL & PERFORMANCE: DRAMA

3 Units
Total Course Lecture Hours 9
Total Course Lab Hours 135
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in a dramatic play or serving in a specific production-related function assigned by the director. (UC, CSU, AVC) (R3)

THA 116A REHEARSAL AND PERFORMANCE: COMEDY

1 Unit
Total Course Lab Hours 54
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in a comedic play or serving in a specific production-related function assigned by the director. This course requires 54 hours of Lab in rehearsal and participation. (C-ID: THTR 191) (UC, CSU, AVC) (R3)

THA 116B REHEARSAL AND PERFORMANCE: COMEDY

2 Units
Total Course Lab Hours 108
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in a comedic play or serving in a specific production-related function assigned by the director. This course requires 108 hours of Lab in rehearsal and participation. (C-ID: THTR 191) (UC, CSU, AVC) (R3)

THA 116C REHEARSAL AND PERFORMANCE: COMEDY

3 Units
Total Course Lecture Hours 9
Total Course Lab Hours 135
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in a comedic play or serving in a specific production-related function assigned by the director. (UC, CSU, AVC) (R3)

THA 117A REHEARSAL AND PERFORMANCE: MUSICAL THEATRE

1 Unit
Total Course Lab Hours 54
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in a musical theater production or serving in a specific production-related function assigned by the director. (C-ID: THTR 191) (UC, CSU, AVC) (R3)

THA 117B REHEARSAL AND PERFORMANCE: MUSICAL THEATRE
2 Units
Total Course Lab Hours 108
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in a musical theater performance or serving in a specific production-related function assigned by the director. (C-ID: THTR 191) (UC, CSU, AVC) (R3)

THA 117C REHEARSAL AND PERFORMANCE: MUSICAL THEATRE
3 Units
Total Course Lab Hours 162
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in a musical theater performance or serving in a specific production-related function assigned by the director. (UC, CSU, AVC) (R3)

THA 118A REHEARSAL AND PERFORMANCE: THEATRE FOR YOUNG AUDIENCES
1 Unit
Total Course Lab Hours 54
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in theatre for young audiences or serving in a specific production-related function assigned by the director. (C-ID: THTR 191) (UC, CSU, AVC) (R3)

THA 118B REHEARSAL AND PERFORMANCE: THEATRE FOR YOUNG AUDIENCES
2 Units
Total Course Lab Hours 108
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in theatre for young audiences or serving in a specific production-related function assigned by the director. (C-ID: THTR 191) (UC, CSU, AVC) (R3)

THA 118C REHEARSAL AND PERFORMANCE: THEATRE FOR YOUNG AUDIENCES
3 Units
Total Course Lab Hours 162
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in theatre for young audiences or serving in a specific production-related function assigned by the director. (CSU, AVC) (R3)

THA 119A REHEARSAL AND PERFORMANCE: NEW WORKS, ONE ACTS, OR SMALL VENUE PERFORMANCE
1 Unit
Total Course Lab Hours 54
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in a short play/new work/material created for small venue spaces or serving in a specific production-related function assigned by the director. (UC, CSU, AVC) (R3)

THA 119B REHEARSAL AND PERFORMANCE: NEW WORKS, ONE ACTS, OR SMALL VENUE PERFORMANCE
2 Units
Total Course Lab Hours 108
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in a short play/new work/material created for small venue spaces or serving in a specific production-related function assigned by the director. (UC, CSU, AVC) (R3)

THA 119C REHEARSAL AND PERFORMANCE: NEW WORKS, ONE ACTS, OR SMALL VENUE PERFORMANCE
3 Units
Total Course Lab Hours 162
Limitation on Enrollment: *Audition required.*
Students will participate in a departmental production, performing a role in a short play/new work or material created for small venue spaces or serving in a specific production-related function assigned by the director. (UC, CSU, AVC) (R3)

THA 121A TECHNICAL THEATRE PRODUCTION
1 Unit
Total Course Lab Hours 54
An introduction to technical theatre and the construction, painting, assembly, and movement of scenery and properties. Includes basic concepts of design, prop construction and procurement, backstage organization, and career opportunities. Also includes stage management, lighting and/or sound techniques. Required stage crew activity for departmental productions. This course may be scheduled using the "To Be Arranged" (TBA) scheduling format. (C-ID: THTR 192) (UC, CSU, AVC) (R3)

THA 121B TECHNICAL THEATRE PRODUCTION
2 Units
Total Course Lab Hours 108
An introduction to technical theatre and the construction, painting, assembly, and movement of scenery and properties. Includes basic concepts of design, prop construction and procurement, backstage organization, and career opportunities. Also includes stage management, lighting and/or sound techniques. Required stage crew activity for departmental productions. This course may be scheduled using the "To Be Arranged" (TBA) scheduling format. (C-ID: THTR 192) (UC, CSU, AVC) (R3)

THA 121C TECHNICAL THEATRE PRODUCTION

3 Units

Total Course Lab Hours 162

An introduction to technical theatre and the construction, painting, assembly, and movement of scenery and properties. Includes basic concepts of design, prop construction and procurement, backstage organization, and career opportunities. Also includes stage management, lighting and/or sound techniques. Required stage crew activity for departmental productions. This course may be scheduled using the "To Be Arranged" (TBA) scheduling format. (CSU, AVC) (R3)

THA 125 INTERMEDIATE ACTING WORKSHOP

3 Units

Total Course Lecture Hours 36

Total Course Lab Hours 54

Prerequisite: *Completion of THA 110.*

Introduces the acting student to more in-depth work with character and text through analysis and performance of monologues and scenes from theatrical literature. Students will prepare performance-level scene/monologue studies with written analysis and then revise their work based on class critiques. (C-ID: THTR 152) (UC, CSU, AVC)

THA 130 IMPROVISATION

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

Students will gain skill in performing theater improvisations and related acting techniques. Class sessions will cover a progression of structured theater games leading to improved performance skills and practice with improvisational activities presented in a performance setting. (UC, CSU, AVC)

THA 133 MAKEUP FOR THE STAGE

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

Introduction to the materials, principles, techniques, and methods of makeup application for the stage. This course will introduce students to basic corrective, period, character, old-age, and stylized make-up. Students will be encouraged to experiment and form their own designs. Instructional materials fee required for this course and must be paid at registration. Note: Additional hours may be required to work on AVC productions. (C-ID: THTR 175) (UC, CSU, AVC)

THA 142 MUSICAL THEATRE PERFORMANCE WORKSHOP

1–2 Units

Total Course Lab Hours 54–108

Limitation on Enrollment: *Audition required. Students should have at least high school level performance experience in the course medium of vocals and theatre.*

The course is designed to provide instruction and experience in musical theatre allowing students to rehearse and perform scenes from popular and classical works. Students will receive instruction in technique, musical style, and stage presence culminating in a final performance. (CSU, AVC) (R3)

THA 199 WORK EXPERIENCE EDUCATION

1–8 Units

Total Course Lab Hours 54–432

LIMITATION ON ENROLLMENT: *To participate in work experience education, students must have a paid or unpaid job or internship and have approval of work supervisor and the instructor supervising the work experience in the specific subject area. Students must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.*

Work Experience Education is supervised employment designed to provide students a realistic learning experience through work. The ultimate goal is to teach students skills and attitudes that will equip them to function and adapt as an employee in a variety of situations and jobs. Work Experience Education is supervised employment extending classroom-based occupational learning in an on-the-job learning situation related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. (CSU, AVC) (R1)

THA 215 ACTING FOR THE CAMERA

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

Prerequisite: *Completion of THA 110.*

Introduces the acting student to the principles and techniques of various performance methods involved in acting for the camera, including physical motivation, using the camera as a character, takes and retakes. Students will prepare performance level scene studies, including written analysis, and then revise their work based on class critiques. (CSU, AVC)

THA 218 AUDITION TECHNIQUES FOR THE ACTOR

3 Units

Total Course Lecture Hours 45

Total Course Lab Hours 27

Prerequisite: *THA 110.*

This class is designed to equip students with the necessary tools to audition confidently and become knowledgeable with the audition process as they pursue careers in film, theatre, and/or television. The course is a valuable asset to the student as they learn, experience, and explore not only the techniques of a successful audition but also the challenges of being a working professional actor. (CSU, AVC)

THA 220 FUNDAMENTALS OF DIRECTING

3 Units
Total Course Lecture Hours 36
Total Course Lab Hours 54

An introduction to the fundamental techniques of stage directing, including text analysis, stage composition, blocking, picturization, working with actors, styles and genres, working with designers, and formulating a creative vision. These techniques will be applied to in-class scene work. (UC, CSU, AVC)

THA 225 SCRIPT ANALYSIS

3 Units
Total Course Lecture Hours 54

This course explores the basics of analyzing play scripts and the various components within scripts such as: plot, theme, character, language, and setting. The course also investigates techniques used to determine how to critically read scripts for dramatic structure and also guide students in a discovery of production alternatives for all artists: directors, actors, designers, etc. (C-ID: THTR 114) (UC, CSU, AVC)

THA 239 INTERCULTURAL AND WOMEN'S THEATRE

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27

This course explores African-American, Latinx, Asian-American, and Native-American representation, as well as, women and LGBTQ+ representation in American theatre through selected plays. The course covers the evolution of racial, ethnic, and sexual stereotypes, including the racist and sexist origins of those stereotypes, and the efforts to more accurately and fairly portray sexual, racial, and ethnic diversity in the American theater. In addition, contributions from theater artists from various backgrounds are highlighted. Representative plays are used as the basis for class discussion. (UC, CSU, AVC)

THA 239H INTERCULTURAL AND WOMEN'S THEATRE HONORS

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27

This honors course, intended for students in the Honors Transfer Program, studies African American, Latino/a, Asian American, Native American, women, gay and lesbian works in the American theatre through selected plays and materials. This course covers the evolution of racial, ethnic, and sexual stereotypes in theatre, including the racist and sexist origins of those stereotypes, and efforts to portray sexual, racial, and ethnic diversity more accurately and fairly on the American stage. In addition, contributions from theater artists from various backgrounds are highlighted. This course utilizes representative plays, student performance, and other multimedia resources as a basis for class discourse. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. (UC, CSU, AVC)

Note: Students may take either THA 239 Intercultural and Women's Theatre or THA 239H Intercultural and Women's Theatre Honors. Duplicate credit will not be awarded.

THA 240 LGBTQ+ THEATRE

3 Units
Total Course Lecture Hours 45
Total Course Lab Hours 27

This course examines the role and impact of the lesbian, gay, bisexual, transgender, queer/questioning (LGBTQ+) community in American theatre. Through the analysis of dramatic literature, performance, and multimedia resources, students will explore the historical, political, and social contexts that have shaped LGBTQ+ theatre. Topics include archetypes and stereotypes, gender politics, sexual identities, the 'coming out' narrative, the AIDS crisis, and the movement toward mainstream visibility and inclusion. The course also addresses the intersection of homophobia, racism, and sexism in both society and the arts, highlighting how theatre has challenged dominant narratives and contributed to broader cultural understanding. (CSU, AVC)

Department Description

Nursing is an art and science incorporating knowledge from behavioral, biological, and physical sciences. It is based on holistic concept of health in which the physical, emotional, psychological, intellectual, social, and spiritual aspects of human functioning are interrelated, interdependent, and of equal importance.

Vocational Nursing is a career that provides exciting and challenging opportunities in health care agencies. The program prepares graduates to work in convalescent homes and clinics under the direction of registered nurses and physicians.

Program Learning Outcomes

Licensed Vocational Nursing Cert

1. Utilize critical thinking for clinical decision making for the hospitalized patient.
2. Implements nursing skills for the hospitalized patient.

Degree Information and Requirements

The Vocational Nursing curriculum is designed to prepare graduates for the National Council Licensure Examination for Practical Nurses. This is the examination required by the California Board of Vocational Nursing and Psychiatric Technicians. Students must meet program requirements before receiving permission to enroll in vocational nursing courses. Information about the enrollment process is available in the Health and Safety Sciences Division Nursing Department (Nursing Department) office.

The program is approved by the Board of Vocational Nursing and Psychiatric Technicians (BVNPT). Graduates receive a certificate of achievement from the College and are recommended as qualified for the national licensure examination (NCLEX). Students must maintain a minimum grade of "C" in each required course to graduate. A minimum grade of "C" in clinical and theory is mandatory.

The BVNPT may deny licensure to individuals who have been convicted of a felony. An individual who has such a conviction and who is seeking enrollment into the nursing program should contact the Board to receive advice about their status. The Board may be contacted by writing or calling:

Board of Vocational Nursing and Psychiatric Technicians
2535 Capitol Oaks Drive, Suite 205
Sacramento, CA 95833
(916) 263-7800

Additional information about the Vocational Nursing Practice Act can be found on the BVNPT's site.

Students will participate in supervised day and evening clinical experiences in local accredited hospitals and health care agencies in each semester. A student who is given permission to enroll in the program is guaranteed space in all vocational nursing courses that year, providing the student remains in good academic standing.

The program is demanding and includes many hours of class, clinical, and homework. Students should consider their own needs relevant to work, family, health, finances, and leisure in addition to the hours needed for study in this program.

High school students who would like to enter the field of vocational nursing should take relevant courses, such as chemistry, biology, algebra, anatomy and physiology. Students may be given transfer credit for related previous education completed prior to enrollment. Such education includes nursing courses, psychiatric technician courses, and certified nurse aide courses. Written and/or practical examinations are given to determine credit. Certified Nurse Aides may receive 121.5 hours of advanced standing in the program based on written and/or practical exams. Previous education must be documented by official records.

Students purchase textbooks, personal liability insurance, uniforms and health services. Students are responsible for providing their own transportation. Current expense sheets are included with enrollment letters.

After conditional enrollment into the program, students will be required to have an examination by a licensed physician or certified nurse practitioner. The examination must show that the student is free from communicable disease and does not have a physical and/or mental illness that may endanger the health or safety of a patient. A drug and alcohol abuse screening is required. Impairment by controlled substances or alcohol during class or clinical experience violates college policy and compromises physical and emotional patient safety. Therefore, impairment by substance abuse or alcohol abuse that affects class or clinical performance is reason for dismissal from the nursing program.

Students are required to have background screening for felonies, misdemeanors, fraud and abuse, sexual crimes and social security number verification. If the background screen reveals a criminal background the student will not be allowed to enroll in the nursing program. All students must have a valid social security number when they are sent an enrollment letter for the program. Information on how to obtain background screening will be given to students with enrollment packets.

Students with disabilities who anticipate they may need reasonable accommodation to participate in the nursing program should contact the Office for Students with Disabilities (OSD). The Health and Safety Sciences Division (Nursing Department) staff will work closely with OSD to determine if reasonable accommodations are required to perform essential job functions and identify effective accommodation that would not pose an undue hardship.

Attendance is mandatory in this program, as state law requires 1530 hours of class and clinical experience to be eligible for licensure. Regardless of the reason for absence or tardiness, the faculty may request that the student be dismissed from the program if the minimum hours cannot be met. An appeals procedure for student complaints is available through the Dean. A student enrolled in the nursing program may be allowed to reenroll in the program once. Unsuccessful completion of a course, withdrawal from any course, or failure in a course will result in the student not being able to continue in the program. Admission to Antelope Valley College does not guarantee enrollment in the Vocational Nursing Program.

ENROLLMENT PROCEDURES:
Refer to announcements on the AVC website for updated enrollment information. Classes are admitted annually in the fall semester. All items in the enrollment process are extremely important. Students who omit any part of the required information or miss the deadline will be dropped from consideration for the Vocational Nursing Program.

The application process has moved online. No paper applications will be accepted.

- Submit a current Educational Planning and Evaluation Form that has been completed by an AVC counselor within the last six months. The counselor will evaluate progress toward graduation requirements and courses from other colleges for equivalency to AVC courses. Transcripts from colleges where prerequisites were completed must be on file in admissions and records prior to counseling appointment. All pre-requisite courses must be completed. All substitutions/ equivalencies must be approved. Any courses noted as in progress or pending approval will disqualify applications. Contact the Counseling Department for an appointment or schedule an appointment online.
- High School Graduation or GED Official Transcripts showing graduation/completion date is a requirement for this program. Official transcripts must be sent electronically from the institution directly to healthsciences@avc.edu during the application window. No certificates of completion or diplomas will be accepted. No transcripts will be accepted outside the application window. No transcripts will be accepted directly from the student.
- Physical transcripts are no longer accepted. Students must submit official electronic transcripts where pre-requisite courses were completed (even if students took all courses at AVC) to healthsciences@avc.edu during the application period. No transcripts will be accepted outside the application window. Students will have to request them through the institution attended or parchment. No transcripts will be accepted directly from the student. All required prerequisite courses must be completed with grade posted; any noted as "In progress" will disqualify applicant. If students are trying to receive credit for a degree, it must be posted on their transcript. Diplomas will not be accepted.
- Students can apply to the program without their TEAS however admission will not be offered until this requirement has been met. During the application period, students can request a one time use first come first serve code to take the test at no cost to the student. We will issue codes until they run out as purchase of them is based on funding. After prerequisites are verified, the division office will issue the code. This is not guaranteed to take place before the deadline. If a student failed the TEAS® twice while applying to the LVN-RN program, the student will not be allowed to take the TEAS® to enter the generic ADN program. Students who attain a satisfactory score on the test (currently 62% or higher) will be considered for the next step in the enrollment process. If a student is unsuccessful on the first attempt, they will have to pay to retest. Should a student be unsuccessful on both attempts, they will be disqualified from the program. Students who attain a satisfactory score on the second test will be considered for the next step of the selection process. The results of the ATI TEAS® must be on file with the Nursing Department office at AVC for consideration. Exceptions to this procedure will not be granted.

Foreign transcripts of college work must be evaluated for equivalency by an accredited credentials evaluation service. Subject, unit and grade list are required for college course work. A copy of course descriptions will also be required. A list of credentials evaluation services is available from the Dean of Student Services.

Submission of application does not guarantee enrollment to the Vocational Nursing Program.

A student is responsible for notifying the Health and Safety Sciences Division (Nursing Department) office of changes in address or telephone number. After one unsuccessful attempt to contact a student by email or telephone, the student will be dropped from the enrollment pool. If this occurs, it will be necessary for the individual to reapply.

Enrollment letters are mailed approximately three months prior to the enrollment date.

All students who receive enrollment letters are required to attend a mandatory student orientation.

SCREENING PROCEDURES:

1. Scholastic eligibility is determined by multi-screening criteria, which consider previous academic degrees, GPA in relevant science courses, Test of Essential Academic Skill (TEAS) score, and GPA in relevant course work. Relevant work experience is also used in the multi-screening process.
2. The number of students enrolled into the program is limited by the availability of faculty and clinical agencies.
3. All students who do not receive an enrollment letter or who decline enrollment must submit an enrollment packet for the program during the next enrollment cycle.
4. A physical examination and drug screening will be required after conditional notification of enrollment into the program. The purpose of the exam is to ensure the absence of communicable disease and to ensure that the candidate is not adversely affected by physical and/or mental illness that may endanger the health and safety of a patient. Students will be required to submit evidence of the following immunizations: measles, mumps, rubella, chicken pox, Tdap (as an adult), annual seasonal flu vaccine, and hepatitis B. These immunizations are required by the facilities where students will be having clinical experiences. Antelope Valley College does not provide these immunizations.

   Students are required to have background screening for felonies, misdemeanors, fraud and abuse, sexual crimes and social security number verification. If the background screen reveals a criminal background the student will not be allowed to enroll in the nursing program. The health care facilities reserve the right to decline any student who has a criminal background. As there is only one pediatric and obstetrical unit in the Antelope Valley, a student who does not meet the background screening requirements cannot enroll in the nursing program. Information on how to obtain background screening will be given to students with enrollment packets. A student who does not meet the background screening requirements cannot enroll in the program.

Students are required to purchase personal liability insurance. Information about personal liability insurance will be sent to students with the enrollment packet.

5. The procedure for grievances can be found in the Board Policy and Administrative Procedures Manual.

Vocational Nursing Certificate:
Required Courses (51 units):

Course	Units
BIOL 100, Elementary Human Anatomy and Physiology	3
*NF 100, Nutrition	3
PSYC C1000, Introduction to Psychology	4
VN 119, Fundamentals of Patient Care for Vocational Nurses	2.25
RCP 301, VN 120, Self-Care Fundamentals, Pharmacology	12.25
VN 121, Medical-Surgical Nursing for the Adult and Child	15.5
VN 122, Vocational Nursing in the Child-Bearing Family and Pediatric Patient	5.25
VN 123, Nursing Leadership and Medical-Surgical Nursing	6.75

*Students must take this course prior to applying to the program. Students who want to pursue the associate degree in registered nursing should consider completing BIOL 201 and BIOL 202.

Certificate Program

Licensed Vocational Nursing Cert

The Licensed Vocational Nursing curriculum is designed to prepare graduates for the National Council Licensure Examination for Practical Nurses. This is the examination required by the California Board of Vocational Nursing and Psychiatric Technicians. Students must meet program requirements before receiving permission to enroll in vocational nursing courses. Information about the enrollment process is available in the Health and Safety Science (Nursing Department) office. The program is accredited by the Board of Vocational Nursing and Psychiatric Technicians (BVNPT). Graduates receive a certificate of achievement from the college and are recommended as qualified for the national licensure examination. Students must maintain a minimum grade of "C" in each required course to graduate. A minimum grade of "C" in clinical and theory is mandatory. The BVNPT may deny licensure to individuals who have been convicted of a felony. An individual who has such a conviction and who is seeking enrollment into the nursing program should contact the Board to receive advice about their status. The Board may be contacted by writing or calling: Board of Vocational Nursing and Psychiatric Technicians 2535 Capitol Oaks Drive, Suite 205 Sacramento, CA 95833 (916) 263-7800

Additional information about the Vocational Nursing Practice Act can be found on the Internet at www.bvnpt.ca.gov which is the BVNPT's Web site. Students will participate in supervised day and evening clinical experiences in local accredited hospitals and health care agencies in each semester. A student who is given permission to enroll in the program is guaranteed space in all vocational nursing courses that year, providing the student remains in good academic standing. The program is demanding and includes many hours of class, clinical, and homework. Students should consider their own needs relevant to work, family, health, finances, and leisure in addition to the hours needed for study in this program.

Program Requirements
Required Courses (Total 51)

Complete all of the following	Units
Prerequisites (Total 3)	
Complete all of the following	
NF 100 - Nutrition	3
Core Courses (Total 45)	
Complete all of the following	
BIOL 100 - Elementary Human Anatomy and Physiology	3
VN 119 - Fundamentals of Patient Care for Vocational Nurses	2.25
VN 120 - Self-Care Fundamentals, Pharmacology	12.25
VN 121 - Medical-Surgical Nursing for the Adult and Child	15.5
VN 122 - Vocational Nursing in the Child-Bearing Family and Pediatric Patient	5.25
VN 123 - Nursing Leadership and Medical-Surgical Nursing	6.75
Core Course - Choose one (Total 3)	
Complete the following number of units: 3	
PSYC C1000 - Introduction to Psychology	3
PSYC C1000H - Introduction to Psychology - Honors	3

Recommended Pathway

Prerequisite	Units
NF 100 - Nutrition	3
	Total 3
Term 1	
PSYC C1000 - Introduction to Psychology OR PSYC C1000H - Introduction to Psychology - Honors	3
BIOL 100 - Elementary Human Anatomy and Physiology	3
	Total 6
Term 2	
VN 119 - Fundamentals of Patient Care for Vocational Nurses	2.25
VN 120 - Self-Care Fundamentals, Pharmacology	12.25
	Total 14.5
Term 3	
VN 122 - Vocational Nursing in the Child-Bearing Family and Pediatric Patient	5.25
	Total 5.25
Term 4	
VN 121 - Medical-Surgical Nursing for the Adult and Child	15.5
	Total 15.5
Term 5	
VN 123 - Nursing Leadership and Medical-Surgical Nursing	6.75
	Total 6.75
	Certificate Total 51

Associate Degree

Associate degree not available.

Vocational Nursing Courses

VN 119 FUNDAMENTALS OF PATIENT CARE FOR VOCATIONAL NURSES

2.25 Units
Total Course Lab Hours 121.5
Limitation on Enrollment: *Formal admission to VN Program.*
Prerequisite: *Completion of BIOL 100, PSYC C1000 or PSYC C1000H, and NF 100 or NF 165.*
Corequisite: *Concurrent enrollment in VN 120 (formerly VN 110).*
A course in the fundamental nursing skills needed to care for the hospitalized or long-term care patient. The course includes clinical practice in a hospital or long-term care facility. Emphasis is on safety principles and basic patient care skills. NOTE: No grade will be given for this class; students will receive "pass" or "no pass" only. Qualifying Certified Nursing Assistants are exempt from this course. Prior approval must be obtained from the Director of Nursing. (AVC)

VN 120 SELF-CARE FUNDAMENTALS, PHARMACOLOGY

12.25 Units
Total Course Lecture Hours 148.5
Total Course Lab Hours 216
Limitation on Enrollment: *Formal admission to VN program.*
Prerequisite: *: Completion of BIOL 100, PSYC C1000 or PSYC C1000H, and NF 100 or NF 165.*
Corequisite: *Concurrent enrollment in VN 119 (formerly known as VN 109) unless exempt.*
Instructional materials fee required for this course and must be paid at registration.
Fundamental nursing principles of adult patient care, basic principles of the nursing process, self-care theory, nutrition, pharmacology, gerontology, and adult growth and development are integrated throughout the course. (AVC)

VN 121 MEDICAL-SURGICAL NURSING FOR THE ADULT AND CHILD

15.5 Units
Total Course Lecture Hours 171.54
Total Course Lab Hours 331.56
Limitation on Enrollment: *Formal admission to VN program.*
Prerequisite: *Completion of VN 122 (formerly known as VN 111) with a grade of "C" or better.*
Principles of medical-surgical nursing of the adult and the child. Emphasis will be on diseases and conditions of the endocrine, respiratory, reproductive, integumentary, gastrointestinal, hematological, musculoskeletal, and renal systems. (AVC)

VN 122 VOCATIONAL NURSING IN THE CHILD-BEARING FAMILY AND PEDIATRIC PATIENT

5.25 Units
Total Course Lecture Hours 54
Total Course Lab Hours 121.5
Limitation on Enrollment: *Formal admission to VN program.*
Prerequisite: *Completion of VN 120 (formerly known as VN 110) with a "C" or better.*
Principles of vocational nursing care of the mother during child-bearing, the newborn, and the pediatric patient. The pediatric component will have emphasis on assessment and growth and development. (AVC)

VN 123 NURSING LEADERSHIP AND MEDICAL-SURGICAL NURSING

6.75 Units
Total Course Lecture Hours 67.5
Total Course Lab Hours 163.44
Limitation on Enrollment: *Formal admission to VN program.*
Prerequisite: *Completion of VN 121 (formerly known as VN 112) with a grade of "C" or better.*
Principles of medical-surgical nursing of the adult and the child, with leadership integrated throughout the course. Emphasis will be on diseases and conditions of the cardiovascular and neurological systems, and mental health disorders. (AVC)

Department Description

These courses will help prepare students for the various grade-level water treatment and/or distribution examinations administered by the California Department of Health Services. Specific courses may also be used as secondary courses required for specialized training or for students who wish to enter or who are already employed in the water treatment and water distribution operator fields as defined by the California Department of Health Services.

Associate Degree/Certificate

No degrees or certificates are currently offered.

Water Treatment Courses

WDTO 101 APPLIED WATER TREATMENT AND DISTRIBUTION MATHEMATICS

3 Units

Total Course Lecture Hours 54

The course is designed to enhance the students' knowledge of the units of measure and type of math calculations used daily in the water treatment and/or distribution fields. The student will become familiar with the units of measure and be able to perform various math calculations involving chemical dosages, chemical feed rates, chemical dilutions and solution concentration, disinfection, flow rate, velocity, time, volume, CT calculation, hydraulics, pressure, force, head and pressure horsepower calculations, cost to pump, specific capacity and well yield, detention time, filtration rate, filter loading and backwash rates, hardness removal capacity and instrument calibration calculations. This course is designed to provide specialized training as defined by the California Department of Public Health for students who wish to enter or who are already employed in the water treatment and water distribution operator fields. This course will help prepare the student for the Grade 1 - 4 level treatment and Grade 1 - 5 level distribution examinations administered by California Department of Health Services. This course may be used as a secondary course required for specialized training as defined by California Department of Public Health. The student must attend at least 36 hours of class time (contact hours) to receive a certificate of successful completion. This ensures acceptance of the certificate by the California Department of Public Health, Operator Certification Branch as a prerequisite to take state exams or contact hours for certificate renewal. (AVC)

WDTO 115 WATER DISTRIBUTION I

3 Units

Total Course Lecture Hours 54

This is a basic course covering all aspects of water distribution including, sources of water and hydrologic cycle, water math, basic water chemistry, disinfection, corrosion control, cross connections, bacteriology, hydraulics and the public health aspects of potable water quality and standards. Water distribution system operation and maintenance of, wells, valves, pumps, tanks, reservoirs, mains, meters, chlorination systems, appurtenances and safety aspects of waterworks operations. This course is designed to provide specialized training as defined by the California Department of Health Services for students who wish to enter or who are already employed in the water treatment and water distribution operator fields. NOTE: The student must attend at least 36 hours of class time (contact hours) to receive a certificate of successful completion. This ensures acceptance of the certificate by the California Department of Public Health, Operator Certification Branch as a prerequisite to take state exams or contact hours for certificate renewal. (AVC)

WDTO 120 WATER TREATMENT I

3 Units

Total Course Lecture Hours 54

This course is designed to train potential and current water treatment professionals in understanding the water treatment process. The course content, selected from expected range of knowledge for Grades 1 & 2 Operator Certification, Drinking Water Program, State of California, includes sources of raw water supplies, treatment requirements for different sources, various water quality parameters and their significance in drinking water with regard to public safety. Students will learn how to operate a drinking water treatment plant according to State regulations. Topics include treatment processes for removal of contaminants; elementary water chemistry; chemical dosage problems; water supply regulations; water source protection; water quality monitoring; distribution system operation; and customer complaints investigation. NOTE: The student must attend at least 36 hours of class time (contact hours) to receive a certificate of successful completion. This ensures acceptance of the certificate by the California Department of Public Health, Operator Certification Branch as a prerequisite to take state exams or contact hours for certificate renewal. (AVC) (R unlimited)

Department Description

Welding is the most common way of permanently joining metal parts. Because of its strength, welding is used to construct and repair parts of ships, automobiles, spacecraft, and thousands of other products. Welding is also used to join beams and steel reinforcing rods in buildings, bridges, and highways. The program is designed to prepare students for employment in the welding field and related areas.

Program Learning Outcomes

Aerospace Welding Cert

1. Demonstrate proper techniques for repairing, fabricating, or cutting metal components or structures using gas welding processes.
2. Demonstrate proper techniques for repairing, fabricating, welding components or structures using the Gas Tungsten Arc Welding process.
3. Inspect and evaluate welds to assure that they meet industry standards.
4. Analyze and evaluate the welding area to assure safe work practices, proper equipment usage, and proper use of personal protective equipment.
5. Read and properly interpret industry standard blueprints and architectural drawings.

Structural Steel Welding Performance Certificate (Noncredit)

1. Students will be able to demonstrate competency in Flux Cored Arc Welding (FCAW) or Shielded Metal Arc Welding (SMAW)by interpreting welding symbols, codes, and electrode classifications as defined by the American Welding Society.
2. Students will be able to successfully pass a practical Flux Cored Arc Welding (FCAW) or Shielded Metal Arc Welding (SMAW) qualification exam in conformance with Los Angeles Department of Building and Safety (LADBS) and American Welding Society (AWS) standards.
3. Read and interpret the five different kinds of joints as defined by the American Welding Society and Square, vee-groove, and fillet welds that can be placed into the joints.
4. Identify the provisions and requirements of the Los Angeles City Building Code as they relate to welded structures and welder qualifications.

Welding Cert & AS

1. Demonstrate proper techniques for repairing, fabricating, or cutting metal components or structures using gas welding processes.
2. Demonstrate proper techniques for repairing, fabricating, or cutting metal components or structures using arc welding processes.
3. Inspect and evaluate welds to assure that they meet industry standards.
4. Analyze and evaluate the welding area to assure safe work practices, proper equipment usage, and proper use of personal protective equipment.
5. Read and properly interpret industry standard blueprints and architectural drawings.

Certificate Program

Aerospace Welding Cert

The Aerospace Welding Certificate program is designed to prepare students for employment in the Aerospace Welding Industry and related areas. The curriculum provides training in manipulative skills, technical knowledge and related trade information in addition to preparing students for Aerospace Welding Certification.

Program Requirements

REQUIRED COURSES (Total 3)

Complete all of the following	**Units**
AFAB Course (Total 3)	
Complete all of the following	
AFAB 110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation	3

REQUIRED COURSES (Total 15)

Complete all of the following	
WELD COURSES (Total 15)	
Complete all of the following	
WELD 110 - Oxyacetylene Welding, Cutting and Brazing	2
WELD 137 - Gas Tungsten Arc Welding Fundamentals	2
WELD 142 - Aerospace Welding Processes	4
WELD 200 - Advanced Aerospace Welding Processes	4
WELD 230 - Weld Symbols and Print Reading	3

Recommended Pathway

Term 1	
AFAB 110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation	3
WELD 110 - Oxyacetylene Welding, Cutting and Brazing	2
Total 5	
Term 2	
WELD 137 - Gas Tungsten Arc Welding Fundamentals	2
Total 2	
Term 3	
WELD 142 - Aerospace Welding Processes	4
WELD 230 - Weld Symbols and Print Reading	3
Total 7	
Term 4	
WELD 200 - Advanced Aerospace Welding Processes	4
Total 4	
Certificate Total 18	

Structural Steel Welding Performance Certificate (Noncredit)

This noncredit certificate program is designed to both prepare students for and administer the Los Angeles Department of Building and Safety (LADBS) practical welding exam aligned with the AWS D1.1 Structural Welding Code. The two-course sequence includes: Weld 900: An intensive preparation and orientation session that includes hands-on welding practice, safety training, exam paperwork, and proof of payment. Weld 901: The official testing day during which students complete the LADBS practical exam. Students will train and test in either Flux-Cored Arc Welding (FCAW) or Shielded Metal Arc Welding (SMAW), with certification granted in a single process per testing cycle.

This short-term program is ideal for individuals seeking industry-recognized structural welding certification for employment or career advancement. A Welding Performance Exam fee of $120 covers one 3G and one 4G initial attempt, retakes procedures follow AWS requirements. A new fee is applied for each Weld 901 class taken. Retakes must be completed within the same class period to qualify.

Program Requirements
Structural Steel Welding Performance Certificate) (Noncredit) (Total 20)
Complete all of the following

WELD 900 - Welding Certification Preparation	10
WELD 901 - Welding Certification Exam	10

Recommended Pathway

Term 1	**Units**
WELD 900 - Welding Certification Preparation	10
WELD 901 - Welding Certification Exam	10
Total	**20**
Certificate Total	**20**

Welding Cert

Welding is the most common way of permanently joining metal parts. Because of its strength, welding is used to construct and repair parts of ships, automobiles, spacecraft, and thousands of other products. Welding is also used to join beams and steel reinforcing rods in buildings, bridges, and highways. The program is designed to prepare students for employment in the welding field and related areas. The welding curriculum provides training in manipulative skills, technical knowledge and related trade information.

Program Requirements
Welding Cert (Total 28)

Complete all of the following	**Units**
WELD 110 - Oxyacetylene Welding and Cutting	2
WELD 120 - Basic Shielded Metal Arc Welding	2
WELD 130 - Advanced Shielded Metal Arc Welding	2
WELD 135 - Gas Metal Arc Welding	2
WELD 137 - Gas Tungsten Arc Welding Fundamentals	2
WELD 212 - Performance Welding-Arc Welding Processes	4
WELD 230 - Welding Symbols and Print Reading	3
WELD 240 - Welding Layout	3
WELD 260 - Certification Welding-L.A. City Building Code	4
WELD 265 - Structural Flux Cored Arc Welding	4

Recommended Pathway

Term 1	**Units**
WELD 110 - Oxyacetylene Welding and Cutting	2
WELD 120 - Basic Shielded Metal Arc Welding	2
Total	**4**
Term 2	
WELD 130 - Advanced Shielded Metal Arc Welding	2
WELD 230 - Welding Symbols and Print Reading	3
WELD 135 - Gas Metal Arc Welding	2
Total	**7**
Term 3	
WELD 212 - Performance Welding-Arc Welding Processes	4
WELD 240 - Welding Layout	3
WELD 137 - Gas Tungsten Arc Welding Fundamentals	2
Total	**9**
Term 4	
WELD 260 - Certification Welding-L.A. City Building Code	4
WELD 265 - Structural Flux Cored Arc Welding	4
Total	**8**
Certificate Total	**28**

Associate Degree

Welding AS

Students who complete the associate degree have enhanced employability in the field of Welding Technology. They are well prepared for employment in a wide variety of welding applications including but not limited to, Shielded Metal Arc Welding (SMAW "Stick"), Gas Metal Arc Welding (GMAW "Mig"), Gas Tungsten Arc Welding (GTAW "Tig"). Students will also be able to read and interpret welding symbols and blue prints relating to welding application. Students will also have the experience and skills needed for welding inspection and management positions. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively.

Program Requirements
Welding AS (Total 28)

Complete all of the following	**Units**
WELD 110 - Oxyacetylene Welding and Cutting	2
WELD 120 - Basic Shielded Metal Arc Welding	2
WELD 130 - Advanced Shielded Metal Arc Welding	2
WELD 135 - Gas Metal Arc Welding	2
WELD 137 - Gas Tungsten Arc Welding Fundamentals	2
WELD 212 - Performance Welding-Arc Welding Processes	4
WELD 230 - Welding Symbols and Print Reading	3
WELD 240 - Welding Layout	3
WELD 260 - Certification Welding-L.A. City Building Code	4
WELD 265 - Structural Flux Cored Arc Welding	4

Recommended Pathway

Term 1	**Units**
WELD 110 - Oxyacetylene Welding and Cutting	2
WELD 120 - Basic Shielded Metal Arc Welding	2
AVC GE Area 5	3
AVC GE Area 4	3
AVC GE Area 1A (ENGL C1000)	4
General Elective	1
Total	**15**
Term 2	
WELD 130 - Advanced Shielded Metal Arc Welding	2
WELD 230 - Welding Symbols and Print Reading	3
WELD 135 - Gas Metal Arc Welding	2
AVC GE Area 3	3
AVC GE Area 2 (MATH 103)	4
General Elective	2
Total	**16**
Term 3	
WELD 137 - Gas Tungsten Arc Welding Fundamentals	2
WELD 212 - Performance Welding-Arc Welding Processes	4
WELD 240 - Welding Layout	3
AVC GE Area 1B	3
AVC GE Area 6	3
Total	**15**

Term 4

WELD 260 - Certification Welding-L.A. City Building Code	4
WELD 265 - Structural Flux Cored Arc Welding	4
General Elective	3
General Elective	3
Total	**14**
Degree Total	**60**

Welding Courses

WELD 101 WELDING FUNDAMENTALS

2 Units
Total Course Lecture Hours 18
Total Course Lab Hours 54
Designed for the student who does not intend to become employed in the welding industry but desires a background in welding for general education purposes and/or as a supportive course for his/her studies such as automotive mechanics, auto body repair, air conditioning and refrigeration, artistic sculpturing, etc. Instruction is given in the basic techniques of safely operating the Shielded Metal Arc Welding (SMAW) and oxyacetylene welding processes. (CSU, AVC)

WELD 110 OXYACETYLENE WELDING AND CUTTING

2 Units
Total Course Lecture Hours 18
Total Course Lab Hours 54
Designed for the student who seeks employment in the welding industry. Instruction is given in the selection and use of Oxyacetylene Welding (OAW) equipment and in the basic techniques of safely welding light gauge ferrous metal in the five American Welding Society defined joint configurations. Instruction is also provided in oxyacetylene cutting. (CSU, AVC)

WELD 120 BASIC SHIELDED METAL ARC WELDING

2 Units
Total Course Lecture Hours 18
Total Course Lab Hours 54
Advisory: *Completion of WELD 110.*
Designed for the student who seeks employment in the welding industry. Instruction given in the selection and use of Shielded Metal Arc Welding (SMAW) equipment and in the basic techniques of safely welding ferrous metal in the five American Welding Society defined joint configurations and in the flat, horizontal, vertical and overhead positions. Included is the selection and use of mild steel electrodes. (C-ID: WELD 101 X) (CSU, AVC)

WELD 130 ADVANCED SHIELDED METAL ARC WELDING

2 Units
Total Course Lecture Hours 18
Total Course Lab Hours 54
Advisory: *Completion of WELD 110.*
Prerequisite: *Completion of WELD 120.*
Continuation of WELD 120 in which the student will develop his/her manipulative welding skills to greater proficiency. Emphasis placed on the use of low hydrogen type shielded metal arc welding (SMAW) electrodes and welding in the vertical and overhead positions. Upon successful completion the student will be able to produce welds acceptable to meet the qualification requirements of welding operator set forth by the American Welding Society code book D1.1 Structural Steel. (CSU, AVC)

WELD 135 GAS METAL ARC WELDING

2 Units
Total Course Lecture Hours 18
Total Course Lab Hours 54
Prerequisite: *Completion of WELD 110.*
Designed for the student who seeks employment in the welding industry. Instruction given in technical and practical fundamental welding skills on ferrous and non-ferrous metals in the five American Welding Society defined joint configurations using the gas metal arc welding process (GMAW), commonly known as MIG. Included is the selection and use of alloy welding wires. (AVC)

WELD 137 GAS TUNGSTEN ARC WELDING FUNDAMENTALS

2 Units
Total Course Lecture Hours 18
Total Course Lab Hours 54
Prerequisite: *Completion of WELD 110.*
Designed for the student who seeks employment in the welding industry. Instruction given in technical and practical fundamental welding skills on ferrous and non-ferrous metals in the five American Welding Society defined joint configurations using the gas tungsten arc welding process (GTAW), commonly known as TIG. Included is the selection and use of Tungsten Electrodes. (CSU, AVC)

WELD 138 INTRODUCTION TO METAL FABRICATION

5 Units
Total Course Lecture Hours 45
Total Course Lab Hours 135
Prerequisite: *WELD 135 and WELD 230*
Elective course designed for the welding student. This course provides a comprehensive introduction to the fundamentals of metal fabrication, exploring both the theoretical and practical aspects of working with various metals. Students will gain hands-on experience in essential techniques such as cutting, welding, bending, and assembling metal components. Emphasis will be placed on safety protocols, tool operation, CNC machinery and material selection. (CSU, AVC)

WELD 142 AEROSPACE WELDING PROCESSES

4 Units
Total Course Lecture Hours 36
Total Course Lab Hours 108
Prerequisite: *Completion of WELD 137*
Designed for the student who seeks employment in the Aerospace Welding Industry. Instruction given in technical and practical welding skills on ferrous and non-ferrous metals according to AWS D17.1, and related technical drawings and prints. Using the gas tungsten arc welding process (GTAW), commonly known as TIG. Included is the selection and use of Tungsten Electrodes. (AVC)

WELD 200 ADVANCED AEROSPACE WELDING PROCESSES

4 Units
Total Course Lecture Hours 36
Total Course Lab Hours 108
Prerequisite: *Completion of WELD 142.*
Designed for the student who seeks employment in the Aerospace Welding Industry. Provides preparation of the D17.1 Welder Certification Test. The students' welding skills are tested in the same manner as when they take the welding performance test for the D17.1 certification. (AVC)

WELD 212 PERFORMANCE WELDING-ARC WELDING PROCESSES

4 Units
Total Course Lecture Hours 36
Total Course Lab Hours 108
Advisory: *Completion of WELD 265.*
Prerequisite: *Completion of WELD 130, 135, and 137.*
This course is designed for the student who seeks employment in the welding industry and has prior training in their selected welding process. Students can choose to specialize in one of the following processes: Shielded Metal Arc Welding (SMAW), Flux Cored Arc Welding (FCAW), Gas Metal Arc Welding (GMAW), or Gas Tungsten Arc Welding (GTAW). Provides advanced instruction to improve skills and techniques, with more in-depth coverage of advanced techniques than in previous classes. Emphasizes preparation for employment and certification in the welding industry. (CSU, AVC)

WELD 230 WELDING SYMBOLS AND PRINT READING

3 Units
Total Course Lecture Hours 54
Advisory: *Completion of WELD 120.*
Prerequisite: *Completion of WELD 110.*
Designed to give the student an introduction to the basic concepts of industrial drawing systems used in the fabrication and erection of welded components. Emphasis is placed upon the application and interpretation of welding symbols to drawings. Students will be given instruction in the basic use and techniques of drafting tools used to produce industry acceptable draws or prints. (CSU, AVC)

WELD 240 WELDING LAYOUT

3 Units
Total Course Lecture Hours 54
Advisory: *Completion of WELD 120.*
Prerequisite: *Completion of WELD 110.*
Designed to give the student an introduction to the techniques of applying shop mathematics for the purpose of fabricating welded structures. A study of standard material shapes, cutting procedures, joint design, and their application is included. (CSU, AVC)

WELD 260 CERTIFICATION WELDING-L.A. CITY BUILDING CODE

4 Units
Total Course Lecture Hours 36
Total Course Lab Hours 108
Advisory: *Completion of WELD 130.*
Designed for students who seek employment in the welding industry as an L.A. City certified structural steel welder. Provides preparation for the written and performance portions of the Welder Certification Test administered by the L.A. City Department of Building and Safety. The students' welding skills are tested in the same manner as when they take the welding performance test for the L.A. City certification. NOTE: The cost of the L.A. City Welder Certification is approximately $350 per certification. (CSU, AVC)

WELD 265 STRUCTURAL FLUX CORED ARC WELDING

4 Units
Total Course Lecture Hours 36
Total Course Lab Hours 108
Prerequisite: *Completion of WELD 130.*
Designed for students who seek employment in the welding industry as an L.A. City certified structural steel welder. Provides preparation for the Semi-automatic portion of the Welder Certification Test administered by the L.A. City Department of Building and Safety. The students' welding skills are tested in the same manner as when they take the welding performance test for the L.A. City certification. (AVC)

Welding Non Credit Courses

WELD 900 WELDING CERTIFICATION PREPARATION

0 Units
Total Course Lecture Hours 2
Total Course Lab Hours 8
Prerequisite: *WELD 260 or WELD 265*
Co-requisite: *WELD 901*
Designed for students who seek employment in the welding industry as a certified structural steel welder. Provides preparation for the performance portions of the Welder Certification Test In Accordance with the American Welding Society D1.1 Publication. (R unlimited)

WELD 901 WELDING CERTIFICATION EXAM

0 Units
Total Course Lecture Hours 2
Total Course Lab Hours 8
Co-requisite: *WELD 900*
Designed for students who seek employment in the welding industry as a certified structural steel welder. Administration of the practical portion of the Structural Steel welding certification exam in accordance with AWS D1.1 Publication. (R unlimited)

Alvarez, Angelica **2015**
Director, Child Development Center
B.A. California State University, Bakersfield
M.A. California State University, Bakersfield

Ayala, Leonardo **2025**
Dean, Student Support Services
B.A. University of California, Santa Barbara
M.S. Colorado State University

Brar, Shaminder S. **2021**
Assistant Superintendent/Vice-President, Administrative Services
B.S. University of California, Los Angeles
M.B.A. University of Illinois Urbana-Champaign

Brown, Rosalind **2014**
Director, Dual Enrollment & Outreach
B.S. University of Phoenix
M.S. University of Phoenix

Burgess, Rhonda **2013**
Project Supervisor, People, Culture, and Talent

Carbajal Perez, Irene **2023**
Director, CalWORKs
B.S. California State University, Northridge
M.Ed. California State University, Northridge

Carlson, Bill **2016**
Manager, Instructional & Support Services

Castillejo, Ramón **2023**
Director, Student Development
B.A. California State University, Long Beach
M.A. Woodbury University

Chung, David **2012**
Custodial Supervisor, Facilities Services

Clinton-Houck, Maria **2004**
Interim Dean, Aerospace, Industrial Arts &Applied Technologies
A.A. Antelope Valley College
B.V.E. California State University, Los Angeles
M.A. California State University, Los Angeles
Ed.D. University of California, Los Angeles
A&P/IA Certifications

Conner, Daniel **2018**
Director, Enterprise Applications & Data Protection, Information Technology Services
B.S. DeVry University

Copeland, Brett **2024**
Supervisor, Performing Arts & Technical Director
B.A. California State University, Northridge

Danyluk, Don **2026**
Director, Technology Infrastructure
B.S. University of Phoenix

Darby, Mayke "Sam" **2017**
Manager Projects, Information Technology Services
A.A. Antelope Valley College
B.S. California State University, East Bay

De La Cruz-Martinez, Shannon **2026**
Supervisor, Rising Scholars
A.A. Los Angeles Mission College
A.A. Los Angeles Mission College
A.A. Los Angeles Mission College
B.A. California State University, Los Angeles
M.A. California State University, Los Angeles

Deplazes, Svetlana **2025**
Interim Dean, Institutional Effectiveness, Research and Planning/Library Services
B.S. Belarusian State University, Minsk
M.S. Belarusian State University, Minsk
M.S. University of Delaware, Newark
Ph.D. University of Kansas

Dillon, Nate **2004**
Dean, Arts & Humanities
A.A. Antelope Valley College
B.A. California State University, Northridge
M.B.A. California State University, Northridge

Dumas, Wendy **2014**
Director Budget, Reporting and Compliance
B.S. Auburn University

Elan Helsper, Lauren **2023**
Assistant Superintendent/Vice-President of People, Culture, Talent & Title IX Coordinator
B.A. University of California, Los Angeles
M.Ed. University of Southern California
Ed.D. University of Southern California

Escobar, Liliana **2026**
Project Supervisor, Housing
B.A. California State University, Bakersfield
M.S.A. California State University, Bakersfield

Farley, Rebecca **2024**
Assistant Superintendent/Vice-President Equity & Student Achievement
B.A. University of California, Los Angeles
M.A. California State University, Bakersfield
M.A. Claremont Graduate University
Ed.D. Brandman University

Flores, Noe **2023**
Director, Facilities Planning & Logistics
A.S. Antelope Valley College
B.A. California State University, Fullerton
MBA-PM, Chico State University

Franklin-Martinez, Windy **2024**
Interim Dean, Enrollment Services
A.A. Diablo Valley College
B.A. San Francisco State University
M.S. San Francisco State University
Ph.D. Oregon State University

Gunterman, Joel **2025**
Dean, Health and Safety Sciences
B.A. Kansas Wesleyan University
M.S. Valparaiso University

Harris, Mike **2018**
Supervisor, Campus Events and Operations

Hawkins, Ashley **2014**
Dean, Language & Communication Arts
B.S. University of Phoenix
M.B.A. California State University, Bakersfield

Heasley, Rosie **2008**
Project Supervisor, Aerospace, Industrial Arts and Applied Technologies (CTE)
A.A. Southern California International College

Hom, Saul **2026**
Executive Director, Information Technology Services
M.S. University of Phoenix

Hootman, Christian **2025**
Interim Director, Benefits & Risk Management
B.A. California State University, Bakersfield

Jones, Jamie **2007**
Director, Mathematics, Engineering & Science Achievement (MESA)

Knippel, Dianne **2015**
Executive Director, Foundation
B.A. University of South Florida

Lindsey, Debbie **2021**
Supervisor, Palmdale Center
B.S. University of La Verne

Lobos, Jedidiah **2017**
Dean, Math, Sciences & Engineering
A.A. Antelope Valley College
A.S. Antelope Valley College
B.S. California State University, Northridge
M.S. California State University, Northridge
Ed.D. University of Southern California

Maher, Michael **2015**
Supervisor, Maintenance and Operations
Local 30 Operating Engineers HVACR

Martinez Escobar, Bryan **2026**
Director, Enrollment Services
B.A. University of California, San Diego
M.Ed. University of Southern California

Miller, Harmony **2018**
Director, Human Resources
B.S. University of Phoenix

Mitchell, Kathryn **1996**
Assistant Superintendent/Vice-President Academic Affairs
B.A. California State University, San Bernardino
M.A. California State Polytechnic University, Pomona

Musial, Angela **2018**
Director, Purchasing & Contracts
A.S. Antelope Valley College

Nasipak, James **2017**
Director, Auxiliary Services
B.A. Azusa Pacific University
M.A. Azusa Pacific University

Nowak, Lisa **2017**
Manager, Financial & Fiscal Services

O'Brien, Eileen **2017**
Supervisor, Purchasing & Contracts
A.A. Antelope Valley College
A.S. Antelope Valley College

Padron, Idania **2023**
Assistant Superintendent/Vice-President, Administrative Services
B.S. University of Southern California
M.P.A. George Mason University
Ed.D. California State University, Long Beach

Parisky, Alex **2019**
Director, Online Education and Instructional Support
A.S. Santa Barbara City College
B.S. California Lutheran University
M.A. California State University, Los Angeles
Ph.D. University of Hawai'i at Mānoa

Planellas, Philip **2016**
Custodial Supervisor, Facilities Services

Qazafi, Moamer **2026**
Executive Director, Marketing and Public Information
B.S.M.E. Loyola Marymount University
M.B.A. L Loyola Marymount University
E.M.P.S. Georgetown University

Remp, Vicky **2008**
Interim Director, Payroll

Rider, Van **2008**
Dean, Workforce Development & Community Engagement
B.A. Brigham Young University
M.L.S. Indiana University
M.A. Gonzaga University

Rosas, Carlos **2024**
Interim Dean, Counseling & Matriculation
Director, Office for Students with Disabilities
B.A. California State University, Los Angeles
M.S. California State University, Los Angeles
C.A.P.D. California State University, Northridge

Ruff, Kendra **2019**
Director, EOPS, CARE, NextUP, Guardian Scholars
A.A. Antelope Valley College
B.A. California State University, Bakersfield
M.A. The University of Arizona Global Campus

Schneider, Sarah **2024**
Project Supervisor, Student Services FYE/SYE

Schottelkorb, Michele **2018**
Director, Board & Executive Services, Strategic Initiatives, & Government Relations
A.A. Antelope Valley College
A.S. Antelope Valley College
B.A. California State University, Bakersfield
M.A. University of the Cumberlands
M.A. University of the Cumberlands

Stanton, Robert **2016**
Supervisor, Grounds

Steans, Ty **2018**
Project Supervisor, NextUp

Steffes, Tammara **2015**
Director, Financial & Fiscal Services
A.A. Antelope Valley College

Trejo, Samuel **2026**
Director, Financial Aid
A.S. Chaffey College
B.A. California State University, San Bernardino
M.B.A. California State University, San Bernardino

Trice, Cassandra **2023**
Supervisor, Food Services
A.A. Charter College
B.A. Grand Canyon University

Vivas, Paige **2021**
Interim Manager, Financial Aid
B.A. University of San Diego

Zellet, Jennifer **2022**
Superintendent/President
B.S. Cascade College
M.Litt. University of Aberdeen
Ph.D. University of Aberdeen

Zimmerman, Jill **2000**
Dean, Student Health & Wellness
B.S. Eastern Michigan University
M.S. Western Michigan University
Ph.D. University of New Orleans

Adams, David L. 2015
Assistant Professor, Business
B.S. California Polytechnic State University, San Luis Obispo
J.D. Pepperdine University

Adams, Jeana 2024
Instructor, Registered Nursing
DNP Grand Canyon University

Adams, Stacey 2007
Professor, Accounting
B.S. California Lutheran University
MBA Benedictine University

Adebayo-Ige, Morenike V. 2015
Assistant Professor, Reading
B.A. University of Ilorin
M.A. Lincoln University

Agahari, Rae 2005
Associate Professor, Art
B.A. University of Sydney, Australia
M.A. University of California, Los Angeles

Aguilar, Edward 2024
Instructor/Director, Paramedic Program
B.S. The Chicago Institute of Professional Psychology

Andrada, Amy 2022
Instructor, Sociology
A.A. Antelope Valley College
B.A. California State University, Bakersfield
M.A. California State University, Bakersfield
Ph.D. University of Edinburgh

Arbabi-Tehran, Sepehr 2024
Instructor, Engineering
B.S. University of Southern California
M.S. University of Southern California
Ph.D. University of Southern California

Arce, Martín 2025
Instructor, Ethnic Studies
B.A. University of Arizona
M.Ed. Northern Arizona University
Ph.D. University of Arizona

Arellano, Yadira 2023
Instructor, Child and Family Education
A.A. East Los Angeles College
B.S. La Verne University
M.A. Pacific Oaks College
Ed.D.(ABD) Walden University

Arora, Balbir 2023
Instructor, Business
B.A. University of Gorakhpur
M.A. University of Gorakhpur
Ph.D. University of Gorakhpur

Ascencio, Bianca 2023
Instructor, English
B.A. California State University, Los Angeles
M.A. National University

Aviles, Fredy 2005
Professor, Psychology
B.A. University of California, Riverside
M.A. University of Southern California
Ph.D. University of Southern California

Babb, David 2002
Associate Professor, Art
A.A. College of Southern Idaho
B.F.A. Boise State University
M.F.A. University of Idaho

Barker, Kimberly 2018
Assistant Professor, Child Development
B.A. California State University, Bakersfield
M.Ed. Brandman University

Berube, Melissa 2023
Instructor, Biology
B.S. University of Guelph
M.S. Loma Linda University

Bessinger, Kaitlin 2022
Assistant Professor, Biology
B.S. University of California, San Diego
M.S. University of California, San Diego

Biritwum, Richard 2016
Assistant Professor, Computer Science
B.A. Pomona College
M.Sc. Claremont Graduate University

Bowen, Jason 2012
Assistant Professor, Physics
B.S. University of California, Riverside
M.A. University of California, Berkeley
Ph.D. University of California, Berkeley

Bowers, Snizhana (Jane) 2015
Assistant Professor, Mathematics
B.S. Telecommunication University, Ukraine
M.S. Telecommunication University, Ukraine

Boyd, Maurice 2017
Assistant Professor, Deaf Studies
A.A. Antelope Valley College

Briggs, Walter R., III 2016
Assistant Professor, Counselor
B.A. University of Hawaii
M.A. National University, La Jolla
M.S. University of La Verne

Brubaker, Alfred 2018
Assistant Professor, Aeronautics
B.S. Penn State University
M.S. University of Scranton

Brubaker, Carolyn 2023
Assistant Professor, Aeronautics
A.A. New Mexico State University
B.S. Embry Riddle Aeronautical University

Brynin, Rona 2005
Professor, Nutritional Science/Dietetics
B.A. State University of Purchase
M.S. University of New Haven
D.C. Los Angeles College of Chiropractic

Burd, Aurora 2014
Professor, Earth Science
B.S. Harvey Mudd College
M.S. University of Washington
Ph.D. University of Washington

Burgos, Reina 2014
Assistant Professor, Counselor
A.A. Antelope Valley College
B.A. Biola University
M.S. University of La Verne

Burke, Charles 2020
Assistant Professor, Respiratory Care
B.S.H.A. Southern New Hampshire University

Butterworth, Patricia 2022
Assistant Professor, Biology
Ph.D. National University of Mexico

Carey, Michael 2024
Instructor, Automotive Technology
B.A. DeVry University
M.A. DeVry University

Catley, Towana 2017
Assistant Professor, Counselor
B.A. University of California, Los Angeles
M.S. California State University, Northridge

Cheewawisuttichai, Thamrongsak 2022
Instructor, Chemistry
B.S. Chulalongkorn University, Bangkok, Thailand
Ph.D. University of Maine, Orono

Clinton, Elaine 2023
Instructor, Aeronautics
A.S. Antelope Valley College
B.S. Antelope Valley College

Coleman, Lena 2020
Assistant Professor, Biology
B.S. California State University, Fullerton
M.S. California State University, Northridge

Coleman-Carew, De'Nean 2000
Professor, Counselor
A.A. Imperial Valley Junior College
B.A. California State University, San Bernardino
M.A. California State University, San Bernardino
Ph.D. Fielding Graduate Institute

Compton, Jonathan **2015**
Assistant Professor, Engineering
A.S. Antelope Valley College
B.S. University of California, Santa Barbara
M.S. University of California, Irvine
Ph.D. University of California, Irvine

Conroy, Lauren **2020**
Assistant Professor, Biological Sciences
B.A. Occidental College
M.S. California State University, Northridge
Ph.D. University of California, Riverside

Cook, Emoni **2024**
Instructor, Biology
B.S. Albany State University
M.S. University of California, Los Angeles

Cooper, Jeffery **2007**
Professor, Chemistry
B.S. University of California, Riverside
M.S. University of Missouri
Ph.D. University of Missouri

Corona, Carla **2023**
Instructor, Theatre Arts
B.A University of California, Berkeley
M.A. New York University, Tisch School of the Arts

Cota, Yesenia C. **2015**
Assistant Professor, Registered Nursing
A.S. Antelope Valley College
B.S. University of Phoenix
M.S. University of Phoenix

Cruz, Mark **2016**
Assistant Professor, Kinesiology
B.A. Masters College, Cleveland Chiropractic College
M.A. Fresno Pacific University
M.A. University of Pheonix

Desch, Robert **2014**
Assistant Professor, Radiologic Technology
A.S. Fresno City College
B.A. California State University, Fresno
M.A. California State University, Fresno

Depiro, Caroline **2025**
Instructor, English as a Second Language
B.A. Central Washington University
M.A. Soka University of America
Ed.D. University of Southern California

Diaz, Brandon **2025**
Instructor, Registered Nursing
M.S.N. Chamberlain University

Diaz, Roberto **2004**
Professor, Mathematics
B.A. University of California, Santa Cruz
B.A. University of California, Santa Cruz
M.S. University of Colorado, Boulder

Dickinson, Debra **1992**
Professor, Registered Nursing
A.A. Antelope Valley College
A.S. Antelope Valley College
B.S.N. California State University, San Bernardino
M.N. University of California, Los Angeles

Dorn, James **2015**
Assistant Professor, Mathematics
B.S. Western Oregon University
M.S. Oregon State University

Eaton, Maria (Jessica) **2001**
Articulation Officer, Transfer Center Coordinator, Professor, Counselor
B.S. California State University, Bakersfield
M.S. California State University, Bakersfield
Ph.D. California State University, Fresno

Enriquez, Luis **2004**
Associate Professor, Mathematics
B.S. Universidad de Lima, Peru
M.S. California State University, Northridge

Esdin, Joseph **2005**
Professor, Biological Sciences
M.S. University of California, Los Angeles
Ph.D. University of California, Los Angeles

Espinoza-Schrock, Maria **2022**
Assistant Professor, History
A.A. College of the Redwoods
B.A. Humboldt State University
M.A. New Mexico State University
Ph.D. (ABD) University of Texas at El Paso

Fenn, Gabrielle **2021**
Assistant Professor, Business
B.S. California State University, Northridge
M.B.A. West Texas A&M University

Fuentes, Francisco **2023**
Instructor, Ethnic Studies
B.A. University of California, Santa Barbara
M.A. University of California, Santa Barbara
Ph.D. University of California, Santa Barbara

Ganley, Ibrahim **2014**
Assistant Professor, Economics
B.A. University of Istanbul, Turkey
M.A. University of Colorado, Denver
Ph.D. Claremont Graduate University

Gilman, Mark **2021**
Assistant Professor, Fire Technology

Gilroy, Lori **2021**
Assistant Professor, Fire Technology
Certificate of Achievement Antelope Valley College
A.S. Antelope Valley College
A.S. Antelope Valley College

Ginosian, Dezdemona **2012**
Assistant Professor, Mathematics
B.A. Armenian Agricultural Institute
M.A. Engineering Agricultural Institute

Giorgi, Carina **2017**
Assistant Professor, Sociology
B.A. University of California, Riverside
M.A. University of Manchester, United Kingdom
Ph.D. University of Manchester, United Kingdom

Gonzalez, Amina **2022**
Assistant Professor, Counselor
A.A. Antelope Valley College
B.A. California State University, Northridge
M.A. California State University, Northridge
M.S. University of La Verne

Gordon, Charles **2020**
Assistant Professor, Kinesiology/Head Soccer Coach
A.A. Antelope Valley College
B.A. California State University, Northridge
M.A. Concordia State University

Gratton, Claude **2004**
Professor, Philosophy
B.A. University of Toronto
M.A. University of Toronto
Ph.D. University of Toronto

Graves, Thomas **2006**
Assistant Professor, Communication Studies
B.A. San Diego State University
M.A. Southern Illinois University

Green, J. Barry **2000**
Assistant Professor, Kinesiology
B.S. Eastern Montana College
M.Ed. Azusa Pacific University

Groveman, Aharon **2021**
Instructor, Registered Nursing
A.A. Antelope Valley College
A.S. Antelope Valley College
B.S.N. South University
M.S.N. South University

Hallak, Nouha **2021**
Assistant Professor, Psychology
A.S. Los Angeles Mission College
A.A. College of the Canyons
B.A. California State University, Northridge
M.A. California State University, Northridge
M.S. Azusa Pacific University
Ph.D. Azusa Pacific University

Halliday, Jack B. **2016**
Assistant Professor, Aeronautics
A.S. Antelope Valley College
B.S. Embry Riddle Aeronautical University
A&P Certification

Halliday, Jack 1983
Assistant Professor, Aeronautics
A.A. Antelope Valley College
A&P, IA, DME/FAA Certifications

Hao, Richie Neil 2016
Professor, Communication Studies
A.A Pasadena City College
B.A. California State University, Los Angeles
M.A. California State University, Los Angeles
Ph.D. Southern Illinois University, Carbondale

Harano, Sarah 2023
Instructor, Learning Center
B.A. University of California, Los Angeles
M.A. California State Polytechnic University, Pomona
Ed.D. California State University, Fullerton

Harper, Jessica 2001
Associate Professor, Chemistry
B.S. Yale University
M.S. University of California, San Diego
Ph.D. University of California, San Diego

Healey, Caleb 2023
Assistant Professor, Welding
A.S. Antelope Valley College
L.A. City Certified Welder
American Welding Society Certified Welding Educator
American Welding Society Certified Welding Inspector

Heaton-Smith, Gary 2017
Assistant Professor, Music
B.A. California State University, Fresno
B.S. California State University, Fresno
M.A. California State University, Fresno
Ph.D. University of California, Los Angeles

Heinzman, Karen 2001
Associate Professor, English
B.A. California State University, Northridge
M.A. California State University, Northridge

Hemker, Frederick M., IV 2019
Assistant Professor, Political Science
B.A. Kenyon College
M.A. Fordham University

Hernandez, Carlos 1985
Assistant Professor, Chemistry
B.S. University of Texas at El Paso
M.S. University of Texas at El Paso

Hodge, Lance 2000
Assistant Professor, Emergency Medical Technology
A.A. Pierce College

Hoffer, Mark 2004
Assistant Professor, English
B.A. California State University, Northridge
M.A. California State University, Northridge

Hong, Nathasha 2025
Instructor, Counselor
B.A. California State University, Northridge
M.S. California State University, San Bernardino

Humphrey, Daniel 2002
Assistant Professor, American Sign Language/ English Interpreting
B.A. California State University, Northridge

Huntsman, Steven 2019
Assistant Professor, Mathematics
B.A. University of Colorado
M.A. University of Colorado
M.S. California State University, East Bay

Huynh, Dang 2024
Assistant Professor, Biology
B.S. California State University, Northridge
M.S. California State University, Northridge
M.S. Yale University
Ed.D. Johns Hopkins University

Ibrahim, Kristal 2023
Instructor, Counselor
A.A. Antelope Valley College
B.A. California State University, Bakersfield
M.S. University of La Verne
M.S.W. University of Southern California

Jackson, Dietra 1989
Professor, Counselor
A.A. Antelope Valley College
B.A. University of California, Santa Barbara
M.A. University of California, Santa Barbara

Jaffe, Matthew 1990
Professor, History
B.A. University of California, Los Angeles
M.A. University of California, Los Angeles
Ph.D. University of California, Los Angeles

Jehlicka, Perry 2007
Assistant Professor, Kinesiology
B.S. University of Nevada, Las Vegas
M.S. Eastern Kentucky University

Jennings-Tafarella, Rachel 2002
Professor, English
B.A. King Alfred's College Winchester, United Kingdom
M.A. California State University, Northridge
Ph.D. University of Warwick, Coventry, United Kingdom

Jennings, Vejea 2008
Assistant Professor, English
B.A. University of California, San Diego
M.F.A. California Institute of the Arts, Valencia

Jones, Norma 2022
Assistant Professor, Communication Studies
B.A. University of California, Santa Barbara
M.S. University of North Texas
Ph.D. Kent State University

Jordan, Robin 2023
Instructor, Medical Office Assisting
A.A. Antelope Valley College

Kaseforth, Nari 2018
Assistant Professor, Communication Studies
B.A. University of California, Los Angeles
M.A. California State University, Northridge

Kilayko, Maria 2019
Assistant Professor, Registered Nursing
B.A. Grand Canyon University
M.A. San Jose University

Klundt, Tiesha 2017
Assistant Professor, Counselor
A.A. El Camino College
B.S. Florida International University
M.S. University of La Verne
Ph.D. (ABD) Grand Canyon University

Knowles, Glen 2000
Associate Professor, Art
B.F.A. Art Center College of Design, Los Angeles
M.F.A. Vermont College

Koritsoglou, Angela 2005
Assistant Professor, English
B.A. San Diego State University
M.A. Long Island University

Kuroyama, Cory 2019
Instructor, Respiratory Care
B.S. San Joaquin Valley College

Kyriakides, Chrysanthos 2020
Assistant Professor, Physics
B.S. Rutgers University
M.S. University of Arizona
Ph.D. University of Nevada, Las Vegas

Lacy, Tressa 2025
Instructor, Accounting
B.S. Brigham Young University-Idaho
M.Acc University of Washington

Langner, Greg 2020
Assistant Professor, Communication Studies
B.A. California State University, Los Angeles
M.A. California State University, Los Angeles
Ph.D. Louisiana State University

Larios-Perez, Osvaldo 2021
Assistant Professor, Biological Sciences
B.A. California State University, Northridge
M.S. California State University, Northridge

Lee, Kyu **2023**
Instructor, Computer Science
B.S. Hankook University of Foreign Studies, South Korea
M.S. Sogang University, South Korea
Ph.D. Sogang University, South Korea

Lee, Scott **2001**
Professor, Library Science
A.A. Montgomery College
B.A. Montana State University
M.S. Catholic University of America
Ed.D. University of California, Los Angeles

Lee, Travis **2019**
Assistant Professor, Welding
A.S. Antelope Valley College
AWS Qualifications & L.A. City Certified Welder

Lehman, Cynthia **2004**
Professor, History
B.A. Shippensburg University
M.A. Temple University
Ph.D. Temple University

Littlefield, Cynthia **2000**
Assistant Professor, Dance
A.A. Antelope Valley College
B.F.A. California Institute of the Arts
M.S. Azuza Pacific University

Lynch, Wayne **2024**
Instructor, Business
M.B.A. University of Phoenix

Mahfuzur Rahman, Abu Taher **2014**
Assistant Professor, Radiologic Technologies
R.T. (R) A.R.R.T. Los Angeles City College
R.T. (CT) A.R.R.T. Loma Linda University
R.T. (MRI) A.R.R.T. Loma Linda University
M.B.B.S. Dhaka University, Bangladesh
M.S.c Dhaka University, Bangladesh

Martin, Eric **2025**
Instructor, English
B.A. Swarthmore College
M.A. National University
M.F.A. UCR Riverside Palm Desert

Mashhour, Andrew **2018**
Assistant Professor, Mathematics
B.S. University of California, Los Angeles
M.S. California State University, Los Angeles

McGinnis, Tanya **2017**
Assistant Professor, Counselor
B.A. California State University, Northridge
M.A. California State University, Northridge
M.S. University of La Verne

McGovern, Mark **2005**
Professor, Physics/Astronomy
B.S. California State Polytechnic University, Pomona
M.S. University of California, Los Angeles
Ph.D. University of California, Los Angeles

McLoughlin, Peter **2017**
Assistant Professor, Mathematics
B.A. California State University, Santa Barbara
Ph.D. University of California, Riverside

Mendoza Gonzalez Larreynaga, Alberto **2026**
Instructor, Philosophy
B.A. California State University, Northridge
M.A. California State University, Los Angeles

Moore, Audrey **1998**
Professor, Counselor
B.A. University of Redlands
M.S. California State University, Fullerton
M.S. California State University, Northridge

Morgan, Frankie **2025**
Instructor, Automotive Technology
A.S. Antelope Valley College

Moser, Kent **2019**
Assistant Professor, Business, Management, and Computer Applications
B.S. Brigham Young University
M.B.A. University of La Verne
Ph.D. (ABD) Walden University

Moses, Bryan **2021**
Assistant Professor, Kinesiology
B.A. Sonoma State University
M.A. West Kentucky University
Ph.D. Concordia University of Chicago

Motawakel, Rick **2005**
Associate Professor, Electronics Technology
A.S. DeVry University
B.A. University of La Verne
M.B.A. University of La Verne

Mugnolo, Christina **2006**
Associate Professor, Art
A.B. Princeton University
M.A. Courtauld Institute of Art, London
M.F.A. University of Connecticut
M.F.A. Indiana University

Newby, David **1989**
Professor, Music
B.M. Illinois State University
M.M. Indiana University
Ph.D. Indiana University

Nikolaychuk, Alexander **2017**
Assistant Professor, Mathematics
B.S. Portland State University
M.S. Portland State University

Nisani, Zia **2008**
Professor, Biological Sciences
B.S. San Jose State University
M.S. San Jose State University
Ph. D. Loma Linda University

North, Kevin **2020**
Assistant Professor, Film and Television
A.A. Antelope Valley College
B.A. California State University, Northridge
M.A. California State University, Northridge

Oliveira, Kristine **2006**
Assistant Professor, English
B.A. California State University, Sacramento
M.A. California State University, Fresno

Orellana, Stephanie **2024**
Instructor, Library Science
TESOL Certification
A.A. Antelope Valley College
B.A. University of California, Irvine
M.B.A. Western Governors University
M.L.I.S. Simmons University

Oribio, Larry **2025**
Instructor, ACRV
A.A. Cerro Coso Community College
A.S. Mechanical & Electrical Technology CCAF
B.S. University of Phoenix

Osawa, Ryoichi **2014**
Assistant Professor, Mathematics
B.S. University of Kansas
Ph.D. Purdue University

Osburn, Kathy G. **2015**
Assistant Professor, Business
B.S. University of Redlands
M.A. Regent University

Owens, Megan **2023**
Instructor, Accounting
B.S. Western Governors University
M.B.A. Western Governors University

Padilla, Samuel **2020**
Assistant Professor, Aeronautics
A.S. Antelope Valley College
A&P Certification

Palagallo, Brian **2014**
Assistant Professor, English
B.A. San Diego State University
M.A. California State University, Northridge

Palavecino, Patricia **2019**
Assistant Professor, Biology
B.A. Instituto Santa Catalina de Bolonia
Ph.D. Universidad Nacional de Tucuman

Palmetto, Tamira 2012
Assistant Professor, Disability Services Specialist
B.A. University of Albany
M.S. University of Albany

Parker, Linda 2019
Assistant Professor, Library Science
A.A. Antelope Valley College
B.A. Chapman University
M.L.I.S. San Jose State University
Doctoral Candidate (Ed.D), University of the Cumberlands

Parkinson, Elinda 2019
Assistant Professor, Licensed Vocational Nursing
A.A. Antelope Valley College
B.A. Chamberlain University

Peoples, Stephanie 2022
Assistant Professor, Child and Family Education
A.A. Fullerton College
B.A. University of California, Los Angeles
Multiple Subject Teaching Credential Chapman University
M.S. University of Southern California
Ed.D. Fresno State University

Pesses, Michael 2008
Associate Professor, Geography
B.A. University of California, Los Angeles
M.A. California State University, Northridge
Ph.D. Claremont Graduate University

Pinho, Carlos 2019
Assistant Professor, Administration of Justice
A.A. Los Angeles Community College
B.A. California State University, Northridge

Price, Hank 2023
Instructor, Administration of Justice
B.S. United States Naval Academy
M.B.A. University of New Orleans

Preger, Elizabeth 2025
Instructor, Photography
Certificate of Achievement Los Angeles City College
B.A. University of California, Los Angeles
M.F.A. California Institute of the Arts

Quesada, Katherine 2018
Assistant Professor, Counselor
A.A. Rio Hondo Community College
B.A. California State University, Dominguez Hills
M.S. California State University, Bakersfield
M.S. University of La Verne

Rainbow, Matthew 1991
Assistant Professor, Biological Sciences
B.A. University of California, Santa Barbara
M.A. Claremont Graduate School
Ph.D. University of California, Irvine

Ramirez, Olga 2005
Instructor, Registered Nursing
FNP United States University
M.S.A. United States University

Rao, Harish 2005
Assistant Professor, Communication Studies
B.A. Eastern Michigan University
M.A. California State University, Chico

Razook, Aley 2024
Instructor, Communication Studies
B.A. University of La Verne
M.A. California State University, Fullerton

Rider, Wendy 2022
Assistant Professor, Learning Center
B.A. Brigham Young University
M.A. Brigham Young University

Riley, Nikki 2005
Professor, Biological Sciences
B.A. Hampton University
M.S. Old Dominion University
M.F.A. University of Southern California
Ed.D. University of Southern California

Rios, Michael 2007
Assistant Professor, Counseling
B.S. California State University, Los Angeles
M.S. California State University, Los Angeles

Rock, Jennifer 2022
Assistant Professor, Registered Nursing
A.S. Antelope Valley College
B.S.N. California State University, Bakersfield
M.S.N. California State University, Dominguez Hills

Rodriguez, Miguel 2023
Instructor, Electrical Technology
Certificate of Achievement Antelope Valley College
A.S. Antelope Valley College

Rumsey, Duane 2005
Professor, Deaf Studies/Interpreter Training and Alcohol and Other Drugs Studies
A.S. El Camino College
B.S. SUNY Empire State College
M.Ed. Northcentral University

Safarian, Herach 2024
Instructor, AFAB
B.B.I.S. University of Phoenix
M.Psych. Walden University
M.Ed. National University

Sanicolas, May 2016
Assistant Professor, Counselor
A.A. Mesa College
B.A. University of California, San Diego
M.E. University of Nevada, Las Vegas

Schilling, Rodney 2007
Associate Professor, Counselor
B.A. California State University, Chico
M.S. California State University, Sacramento

Schroer, Alexandra 2008
Professor, Physical Science and Chemistry
(IERF) Equivalency
B.S. Bucharest University, Romania
(IERF) Equivalency
Ph.D. Ruhr University, Bochum

Seekamp, Jacaqueline 2023
Instructor, Library Science
B.A. University of Florida
M.E.D. Western Governors University
M.L.I.S. Florida State University

Shafer, Ken 2007
Assistant Professor, History
B.A. Oregon State University
M.A. Portland State University
Ph.D. Claremont Graduate University

Shahla, Kenan 2005
Professor, Mathematics
B.S. University of California, Los Angeles
M.A. University of California, Los Angeles

Shimizu, Mariko 2018
Assistant Professor, Mathematics
B.S. Miyagi University of Education, Japan
M.A. University of Mississippi
M.A. University of Alabama

Shipp, Joshua 2021
Assistant Professor, Biology
B.S. University of Guelph
M.S. California State University, Northridge

Smith, Kimberly 2019
Assistant Professor, Registered Nursing
M.A. California State University, Dominguez Hills

Snyder, Susan 2005
Professor, Registered Nursing
B.A. Colorado Christian University
B.S.N. California State University, San Bernardino
M.A. Azusa Pacific University

Stout, Wendy 2011
Assistant Professor/Program Director, Respiratory Care
B.S. California State University, Northridge
M.A. University of Phoenix
Ed.D. University of Phoenix

Strong, Joshua 2019
Assistant Professor, Mathematics
B.A. California State University, Fullerton
M.A. University of California, Riverside
Ph.D. University of Arizona

Sturm, Timothy **2008**
Assistant Professor, Automotive Collision Repair
I-CAR Certified

Suarez, Salvador **2004**
Professor, Counselor, EOP&S
B.A. University of California, Riverside
M.A. University of California, Riverside
Ed.D. Argosy University

Taglianetti, Paul **2022**
Assistant Professor, Digital Media
CA Teaching Certificate University of San Diego
Fine Arts Certificate Otis Art College
B.S. Emerson College
M.A. Quinnipiac University

Taylor, John **2002**
Assistant Professor, Kinesiology
B.A. California State University, Northridge
M.A. Chapman University

Toth, John **2001**
Assistant Professor, English
B.A. California State University, Fullerton
M.A. California State University, Fullerton

Tran, Michael **1999**
Assistant Professor, Mathematics
B.S. California Polytechnic State University, San Luis Obispo
M.A. San Diego State University

Tumbaga, Ariel **2017**
Assistant Professor, Spanish
B.A. University of California, San Diego
M.A. University of California, San Diego
Ph.D. University of California, Los Angeles

Vargas, Cindy **2005**
Assistant Professor, Kinesiology
B.A. California State University, Bakersfield
M.Ed. Azusa Pacific University

Vaughn, William **1985**
Assistant Professor, English
A.S. Antelope Valley College
B.A. California State University, San Bernardino
M.A. California State University, Northridge

Vento, John **2004**
Professor, Political Science
A.A. Orange Coast College
B.A. University of California, Los Angeles
M.A. California State University, Fullerton

Vichot, Rhea **2024**
Instructor, Communication Studies
B.S. Massachusetts Institute of Technology
M.A. New York University
M.S. Georgia Institute of Technology
Ph.D. University of Southern California

Villapando, Pavinee **2005**
Professor, Mathematics
B.S. College of Charleston
M.S. California State University, Northridge

Volk, Ann **2004**
Assistant Professor, Nutritional Science/ Dietetics
B.S. California Polytechnic State University, San Luis Obispo
M.S. California State University, Northridge

Watters, Darren **2023**
Assistant Professor/Director, Emergency Medical Technology
A.S. Antelope Valley College
A.S. Antelope Valley College
B.S. California State University, Northridge
M.A. Fresno Pacific University

Watters, Katrina **2024**
Instructor, Vocational Nursing
M.S.N. United States University

Wiewall, Darcy **2007**
Professor, Anthropology/Archaeology
B.S. University of California, Riverside
M.A. University of California, Riverside
Ph.D. University of California, Riverside

Williams, Heidi **2017**
Assistant Professor, English
B.A. Brigham Young University
M.A. California State University, Chico

Wolf, Cole **2017**
Assistant Professor, Deaf Studies
A.A. Antelope Valley College
A.A. Antelope Valley College
A.A. Antelope Valley College
A.A. Antelope Valley College
B.A. California State University, Northridge
M.A. California State University Northridge

The Professor Emeritus faculty designation is granted by the Antelope Valley College Academic Senate. Professor Emeritus are retired faculty who have achieved the rank of tenured full professor with at least 10 years at AVC. Questions regarding this listing should be directed to the President of the Academic Senate. (Number in parentheses indicates year of appointment)

Berry, John
1987-2008, Management (2010)

Burrell, Carolyn
2001-2019, Library Sciences (2020)

Charlie, Deborah
1984-2012, English (2013)

Caproiu, Magdalena
1993-2019, Instructional Resources & Extended Services (2020)

Eastin, Carol
1986-2017, Counseling (2019)

Grishman, Lee, Dr.
1995-2016, Counseling (2019)

Halcrow, Ron
1984-2012, Economics (2013)

Hall, Janice Philbin
1972-2008, English (2008)

Hall, John H.
1975-2008, English, Latin, Journalism (2008)

Haller, Glenn
1993-2023, Kinesiology (2023)

Hinds, Patricia Crosby
1975-2002, Art (2006)

Hood, Charles
1989- 2022, English (2024)

Kelso, Mary L.
1977-2004, Foods/Nutrition (2007)

Knapp, John
1975-2008, Automotive Technology (2011)

Langjahr, Stephen
1972-2020, Biological Sciences (2026)

Leighton, Jonet
1987-2023, Theatre Arts (2024)

Manley, Richard
1988-2008, Counseling, Psychology (2008)

Marder, Igor, Dr.
2001-2025, Mathematics (2025)

Marquez, Patricia
1976-2012, Psychology, Counselor (2013)

McMahan, Robert
1970-2003, Photography and Art (2006)

Mettler, Ty
2001-2022, Aeronautics (2024)

Minet, Selma B., Dr.
1977-1995, Child & Family, (2007)

Pihlgren, Eva
1983-2007, Health Sciences (2010)

Ranish, Donald
1977-2008, Political Science (2008)

Robinson, Sandra
2004-2015, Nursing (2022)

Shappee, Karole
1978-2008, Language Arts, English, Reading (2008)

Shuck , Loren “Shorty”
1979-1999, Air Conditioning and Refrigeration (2006)

Sodergren, Steven
1977-2012, Business (2012)

Tafarella, Santi
2006-2024, English (2024)

Trow, Eugenie
1971-2021, Drama/Theatre Arts (2022)

Uhazy, Les, Dr.
1988-2020, Microbiology (2022)

Wengert, Martha, Dr.
1967-2003, Sociology (2006)

Williams, Dorothy
1981-2013, Instructional Resources Learning Center (2013)

Yorke, Callyn D., Dr.
1984-2020, Biological Sciences (2020)

2026-2027 Scholar In Residence

John Vento

Past Recipients

Vejea Jennings	2025-2026
Dr. Richie Neil Hao	2024-2025
Kathy Osburn	2023-2024
Dr. Darcy Wiewall	2022-2023
Dr. Jason Bowen	2021-2022
Dr. Glenn Haller	2020-2021
Dr. Zia Nisani	2019-2020
Dr. Maria Clinton	2018-2019
Dr. Scott Lee	2017-2018
Tina McDermott	2016-2017
Christos Valiotis	2015-2016
Elizabeth Sundberg	2014-2015
Dr. Edward Beyer	2013-2014
Dr. David Newby	2012-2013
Dr. Matthew Jaffe	2011-2012
Carol Eastin	2010-2011
Carolyn Burrell	2009-2010
Dr. Susan Lowry	2008-2009
Kathy Bingham	2007-2008
Dr. Magdalena Caproiu	2006-2007
Richard Manley	2005-2006
Charles Hood	2004-2005
Jerry Lewis	2003-2004
Robert Brister	2002-2003
Neal Weisenberger	2001-2002
Richard Loofbourrow	2000-2001
Dorothy Williams	1999-2000
Eugenie Trow	1998-1999
Laura Hemenway	1997-1998
Dr. Leslie Uhazy	1996-1997
Dr. Martha Wengert	1995-1996
Richard Balogh	1994-1995
Charles Ferrari	1993-1994
Marian Olson	1992-1993
Dr. Glen Horspool	1991-1992
Loren Shuck	1990-1991
Revier Palmer	1989-1990
Nelda Pugh	1988-1989
Dr. Selma Minet	1987-1988
Steve Langjahr	1986-1987
Richard Sim	1985-1986
Roger Robinson	1984-1985
Warren Houghton	1983-1984

Aleman, Damariz Clerical Assistant II, Counseling & Matriculation

Alvarado, Roxanna Financial Aid Technician I

Alvarado Frausto, Lorenzo Grounds Maintenance Worker, Facilities Services

Astorga, Paloma Program Coordinator, Student Equity

Avalos, Teresa Accounting Assistant II, Financial & Fiscal Services

Azevedo, Amanda Sr. Administrative Assistant, Administrative Services

Azimianaraki, Ryan Clerical Assistant III, Enrollment Services

Barajas Madrigal, Sandra Clerical Assistant II, Kinesiology & Athletics

Barber, Kimberly Clerical Assistant III, Student Health Services

Bautista, Richard Custodian I, Maintenance and Operations

Bayers, Denise Alternative Media Specialist, Counseling & Matriculation

Becerra, Anna Records Technician, Enrollment Services

Bennett, Marisol Food Service Assistant II, Auxiliary Services

Bermea Jr., David Laboratory Technician, Physical Sciences

Betancourt, Ray Job Placement Specialist

Blanco Jr., Jose Administrative Coordinator, Palmdale Center & Extended Learning

Braverman, Lori Payroll Specialist

Bravo, Vincent Custodian I, Facilities Services

Broaden, Ernie Plumber Lead, Maintenance and Operations

Brogan, Kelly Evaluations Coordinator, Enrollment Services

Broussard, Quran Custodian I, Facilities

Brown, Andrea EOPS Technician II

Brown, Tyrone Grounds Irrigation Technician, Maintenance and Operations

Burkholder, Sherri Human Resources Technician

Cabrera, Paola Accountant, Financial & Fiscal Services

Canilang, Aileen Program Specialist, Child Development Center

Canilang, Baltazar Custodian I, Facilities Services

Carazo, Amadeus Instructional Assistant, Automotive

Cardinas, Geneva Financial Aid Specialist

Carey, Fanny Custodian I, Maintenance and Operations

Carey, Michele Administrative Assistant, Social and Behavioral Sciences

Caron, Cora Clerical Assistant III, Information Technology Services

Carreon, Monica Education Advisor, Counseling & Matriculation

Cartwright, Jackie Financial Aid Technician II

Castro, Sylvia Payroll Specialist

Caton, Rich Web Developer, Marketing & Public Information

Cerano, Mike Computer Services Technician, Information Technology Services

Chalabijenzeh, Ronita Clerical Assistant III, Enrollment Services

Chambers, MarRieund Payroll Technician

Champieux, David Instructional Assistant, Aeronautical and Aviation Technology

Chavez, Ashley Veterans Program Coordinator, Student Services

Chavez, Melissa Academic Affairs Specialist

Chereshkoff, Christy Attendance Accounting Technician, Enrollment Services

Clophus, Tiffany Job Placement Specialist

Collins, Bryan Computer Services Technician, Information Technology Services

Collins, Glenn Laboratory Technician, Biology

Colosimo, Kyle Custodian I, Facilities

Contreras, Jaime Laboratory Technician, Biology

Cooper, John Grounds Maintenance Worker, Maintenance and Operations

Cooper, Teresa Coordinator, Warehouse & Inventory, Financial & Fiscal Services

Cordova Jr., Robert System Administrator, Information Technology Services

Cornejo, Jorge Computer Services Technician, Information Technology Services

Corona, Marisela Interim Project Supervisor, Basic Needs

Correa, Kim Sr. Administrative Assistant, Human Resources

Covell, Kim Programmer Analyst, Information Technology Services

Crosdale-Thompson, Hilda EOPS Technician

Cruz, Christopher Skilled Maintenance Worker, Maintenance and Operations

Cruz, Edith Early Childhood Instructional Specialist, Child Development Center

Cuevas, Ayanna NextUp Program Specialist, EOPS

Davidson, Anita Early Childhood Instructional Specialist, Child Development Center

Davis, Elayne Clerical Assistant III, Palmdale Center & Extended Learning

Davis, Mariah Clerical Assistant III, Human Resources

Devers, Byron Sports Information Supervisor, Kinesiology & Athletics

Diaz, Anthony Instructional Assistant, Welding

Dillard, Terri Clerical Assistant III, Counseling & Matriculation

Doss, Kendra Financial Aid Technician II

Duarte, Naiby Financial Aid Technician I

Dunlap, Bryan Painter, Maintenance and Operations

Duvall, Carisha Financial Aid Technician II

Ebersbacher, Mark Transportation Driver, Facilities Services

Edmondson, LaTara Administrative Assistant, Enrollment Services

Effinger, LaTasha Assistant, Office of People, Culture, and Talent

Elliott, Jan Clerical Assistant III, Facilities

Feldman, Joshua Tutoring Specialist, Learning Center

Fernandez, Jessica Administrative Assistant, Aerospace, Industrial Arts, and Applied Technologies

Fernandez, Sheri Senior Accounting Technician, Financial & Fiscal Services

Firth, Jim Human Resources Technician

Ford, Pamela Program Coordinator, CalWORKs

Fregozo, Ernest Grounds Maintenance Worker, Facilities Services

Freitas, Denilson Laboratory Technician, Physical Sciences

Fuentes, Walter Accounting Assistant II, Student Development

Garcia, Alexia Clerical Assistant II, Counseling & Matriculation

Garcia, Crystal Program Specialist, Student Equity

Garcia, Daniel Technical Analyst, Financial Aid

Garcia, Randy Custodian I, Maintenance and Operations

Garcia, Tanya Technical Analyst, Counseling & Matriculation

Gayeta, Analiza Accounting Technician, Financial & Fiscal Services

Giron, Javier Grounds Maintenance Worker Landscaper, Facilities Services

Godinez, Araseli Accounting Technician, Financial & Fiscal Services

Goff, Una Senior Accountant, Financial & Fiscal Services

Gomez, Jacqueline Facilities Planning Coordinator, Facilities Services

Gomez, Sergio Programmer Analyst, Information Technology Services

Gonzalez, Angie Education Advisor, Counseling & Matriculation

Groth, Maria Laboratory Technician, Chemistry

Guardado, Catherine Clerical Assistant III, Maintenance and Operations

Gudino, Maria Clerical Assistant III, Counseling & Matriculation

Guerrero, Gabriela Senior Accounting Technician, Financial & Fiscal Services

Guillermo, Marvin Custodian I, Facilities Services

Guillermo, Rodolfo Custodian I, Maintenance and Operations

Gutierrez, Jefte Campus Events Worker, Facilities Services

Guzman, Marvin Auto Equipment Mechanic Lead, Facilities Services

Halliday, Tiffani Instructional Assistant, Aircraft Fabrication & Assembly/AFMT

Hanstad, Sherilyn Custodian I, Maintenance and Operations

Haro, Monica Clerical Assistant II, Office for Students with Disabilities (OSD)

Harris, Danielle Women's Athletic Equipment Assistant, Kinesiology & Athletics

Heininger, Jesse HVAC Facility System Lead, Facilities Services

Hernandez, Ceasar Warehouse Assistant, Financial & Fiscal Services

Hernandez, Isai Clerical Assistant II, Counseling & Matriculation

Hernandez III, Uriel Grounds Maintenance Worker, Facilities Services

Hicks, Golden Program Specialist, Student Equity

Hightower, Richelle Learning Center Specialist

Hinesley, Ann Telecommunications Systems Specialist, Information Technology Services

Holmes-Johnson, Regina Clerical Assistant III, Equity & Student Achievement

Holton, Joseph Custodian I, Facilities Services

Htut, Rachel Clerical Assistant III, Enrollment Services

Hudson, Scott Warehouse Assistant, Financial & Fiscal Services

Hughes, Shane Payroll Specialist

Humphrey, Cali Clerical Assistant III, Financial Aid

Ibarrola, Stephanie Human Resources Assistant

Ingram, Carla Clerical Assistant III, Counseling & Matriculation

Ingrassi, Joe Skilled Maintenance Worker Lead, Maintenance and Operations

Jacobsen, Kyle Academic Affairs Specialist

Jacobson, Jenna Laboratory Technician, Biology

Johnson, Markell NextUp Program Specialist, EOPS

Jones, Antonio Custodian I, Facilities Services

Jones-Ukagba, LaShonda Clerical Assistant II-Bond, Facilities

Jordan, Ernestine Financial Aid Technician II

Jordan, Jaimie Technical Analyst, Information Technology Services

Juracek, Mary Locksmith Lead, Facilities Services

Kirkendall, Jason Laboratory Technician, Math

Koss, Danielle Student Accounts Technician, Financial & Fiscal Services

Krynen, Greg Technical Trainer, Information Technology Services

Landreth, Cephus "Jim" Instructional Assistant, ACRV/Electrical

Langaman, Sheri Administrative Assistant, Kinesiology & Athletics

Lathrop, Michele Technical Analyst, Information Technology Services

Lawson, Elizabeth Payroll Specialist

Lemley, Chaz Tutoring Specialist, Learning Center

Linares, Giovanni Computer Service Technician, Information Technology Services

Logan-Butler, Robin ITS Helpdesk Assistant, Information Technology Services

Lohrman, Nicole Library Technician

Loi, Ann Laboratory Technician, LD/High-Tech Center, Office for Students with Disabilities (OSD)

Lopez, Ashley Performing Arts Theatre Technician

Lopez, Michelle Administrative Assistant, Language & Communication Arts

Lopez Medrano, Juan Clerical Assistant III, Outreach & Dual Enrollment

Lozano, Patrick Financial Aid Technician I

Lubos, Arnold Custodian I, Maintenance and Operations

Luna, Michelle Senior Accounting Technician, Financial & Fiscal Services

MacConnell, Samantha Foundation Coordinator

MacMillan, Jamie Academic Affairs Specialist

Magee, Matthew Computer Services Technician, Information Technology Services

Maher, Sean Custodian I, Facilities Services

Maldonado, Joshua Computer Service Technician, Information Technology Services

Marshall, Latasha Technician, Office of People, Culture, and Talent

Martinez, David Electrician, Facilities Services

Martinez, Diane CalWORKs Technician I

Martinez, Katia Technical Analyst, CalWORKs

Martirosyan, Zarine Cashier, Financial & Fiscal Services

Mc Alpine, Cecily Accountant-Grants, Financial & Fiscal Services

McCord, Maisha Administrative Assistant, Counseling & Matriculation

McKinstry, Olivia Clerical Assistant III, Job Placement Center

McWilliams, David Instructional Assistant, Auto Body

Medina, Rudy Maintenance Worker, Facilities

Mejia, Pedro Instructional Assistant, Auto Body

Metcalf, Nicole Accounting Assistant II-Bond, Financial & Fiscal Services

Metcalf, Samantha Clerical Assistant III, Arts & Humanities

Michel, Ryan Marketing Specialist, Marketing & Public Information

Middleton, Maria Accountant-Bond, Financial & Fiscal Services

Molina, Yolanda Library Technician

Morales, Eufemia Instructional Assistant, Ceramics

Morales Rodriguez, Adriana Evaluations Coordinator, Enrollment Services

Morris, Glenn Grounds Maintenance Worker, Facilities Services

Moulton, Emily Foundation Specialist

Nicolai-Pleer, Harry Deaf Services Coordinator/ Interpreter, Office for Students with Disabilities (OSD)

Nuckolls, Doug Instructional Assistant, Aeronautical and Aviation Technology

Nuviadenu, Blossom Database Administrator, Information Technology Services

O'Keeffe, Darlene Academic Senate Coordinator

O'Leary, Lisa Technical Analyst, Academic Affairs

Ojeda, Jose Custodian I, Facilities Services

Ojeda, Veronica Buyer, Financial & Fiscal Services

Orosco, Joe Plumber, Facilities Services

Otis, Susanna Instructional Assistant, Aircraft Fabrication & Assembly/AFMT

Palacios Lopez, Yoselin Program Specialist, Marauder Promise

Patin, Ana Human Resources Technician

Paul, Jenell EOPS Technician II

Paul, Rieana Clerical Assistant I, Child Development Center

Perez, Esperanza Evaluations Coordinator, Enrollment Services

Perez, Yecenia Women's Senior Athletic Trainer, Kinesiology & Athletics

Pernett, Gisselle Program Specialist, Student Equity

Petrin, Yvette EOPS Specialist

Pinedo, Jose Skilled Maintenance Worker, Facilities Services

Pywtorak, Rusty Systems Administrator, Information Technology Services

Ramirez, Ramon Administrative Assistant, Information Technology Services

Ramirez Alvarez, Jasmin Administrative Assistant, Marketing and Public Information

Ramirez Giraldo, Pablo Custodian I, Maintenance and Operations

Ramos, Juan Athletic Turf Maintenance Specialist, Facilities

Ramos Perez, Ines Financial Aid Technician I

Rasmussen, Timothy Men's Senior Athletic Trainer, Kinesiology & Athletics

Rendon Lopez, Mayra Program Specialist, Outreach & Dual Enrollment

Reyes, Erica Education Advisor, Counseling & Matriculation

Rincon Barragan, Julia Education Advisor, Counseling & Matriculation

Ritchie, Karl Skilled Maintenance Worker, Maintenance and Operations

Ritchie, Kenneth Electrician Lead, Facilities Services

Rivas, Susette Evaluations Coordinator, Enrollment Services

Rodriguez, Blanca Human Resources Assistant, Title IX & Compliance

Rosales, Victoria Clerical Assistant III, Foster & Kinship Care Education (FKCE)

Ruvalcaba, Maricela Learning Disabilities Testing Technician, Office for Students with Disabilities (OSD)

Saari, Wade Assessment Coordinator, Enrollment Services

Salazar, Debbie Clerical Assistant III, Office of the President

Sales, Pablo Early Childhood Instructional Specialist, Child Development Center

Sanchez, Linda Financial Aid Technician II

Sandoval, Erika Library Assistant

Santiago, Sammy Custodian I, Maintenance and Operations

Santos, Marlene Financial Aid Technician II

Schlafke II, Charlie Maintenance Assistant, Facilities Services

Scoppetta, Filomena Custodian I, Facilities

Scribner, Alma Clerical Assistant III, Math, Science and Engineering

Serena, Vanessa Clerical Assistant III, Academic Affairs

Serrano, Robyn Academic Affairs Specialist

Serrata Jr., Jose Campus Events Technician, Facilities Services

Shah, Harsh Research Analyst, Institutional Research & Planning

Sheppard, Tim Instructional Assistant, Automotive

Sirotzki, Veronica Custodian II Lead, Maintenance and Operations

Skipper, Mary Attendance Accounting Technician, Enrollment Services

Smethurst, Paul Grounds Irrigation Equipment Technician Lead, Maintenance and Operations

Smolenski, Tyson Programmer Analyst, Information Technology Services

Solis-Garcia, Parris Program Specialist, Student Life and Services

Soriano, Jose Automotive Equipment Mechanic, Facilities Services

Stanton, Sara Administrative Coordinator, CalWORKs

Star, Jayme Technician, Instructional Multimedia Center

Stewart, Phillip Program Specialist, Outreach & Dual Enrollment

Stinson, Amanda Research Technician, Institutional Research & Planning

Stone, Nancy Mailroom/Duplication Technician, Financial & Fiscal Services

Tague, Ryan Custodian Lead, Maintenance and Operations

Taksony, Carter Campus Events Worker, Facilities Services

Tami, Craig Grounds Maintenance Worker, Facilities Services

Tapia, Robert Skilled Maintenance Worker, Facilities Services

Thomas, Toulonne Clerical Assistant III, Health & Safety Science

Thompson, Jacklyn Tutoring Specialist, Learning Center

Thompson, Shannon Job Placement Specialist

Traynor, Erin Career Center Coordinator

Urbanoski, Angela Sr. Administrative Assistant, Student Services

Vargas, Dawn Library Technician

Vasquez, Felix Clerical Assistant III, Office for Students with Disabilities (OSD)

Vaughn, Hayley Buyer, Financial & Fiscal Services

Vazquez, Raul Custodian I, Maintenance and Operations

Ventura, Elsa Food Service Assistant I, Auxiliary Services

Villalobos-Delgado, Jaime Program Specialist, Basic Needs

Villarreal, Eduardo Grounds Maintenance Worker, Maintenance and Operations

Walden, Robert Programmer Analyst, Information Technology Services

Wallace, Andre Grounds Maintenance Worker, Facilities

Waller, Kristi Library Assistant

Waller, Sylvia Coordinator of Health and Safety Sciences

Warbear, Vaun Tutoring Specialist, Learning Center

Weber, John Computer Service Technician, Information Technology Services

West, Maria Library Operations & Services Specialist

Wilburn, Murphy Library Assistant

Wiley, Sharmaine Records Technician, Enrollment Services

Williams, Cedric Custodian I, Facilities Services

Williams, Sheryl Sr. Administrative Assistant, Academic Affairs

Wilmes, Michael Senior Systems Administrator, Information Technology Services

Winn, Jen Clerical Assistant III, Aerospace, Industrial Arts and Applied Technologies

Wisdom, Cristine Administrative Assistant, Student Support Services

YingLing, John Custodian I, Facilities Services

Youkhana, Anet Technical Analyst, Enrollment Services

Zahnter, Richard Mailroom/Duplication Technician, Financial & Fiscal Services

Humanitarian Award

This award is presented to an individual who embodies being a humanitarian as it relates to unconditional support of our classified employees. Unconditional with respect to assuring what is right, what is fair, and what is best for the classified.

2026-2027 Humanitarian Award Recipient Maria Groth

Maria Groth began her career at AVC as a Tutorial Specialist, and she promoted to a Chemistry Laboratory Technician in the Math, Science and Engineering department. She has been an employee for seven (7) years and has been selected by the AVCFCE President as the Humanitarian Award Recipient for 2026.

Maria recently became elected as Secretary of the Federation, and she hit the ground running. She has accepted and taken on every responsibility placed in front of her. She has a strong focus on volunteerism and serves on the Benefits Committee, Strategic Planning and Budget Committee, and the Human Resources Sub Committee. She is responsible for recruiting and selecting classified to serve on hiring committees. In addition to this, she also participates in the reading and selecting of students for the AVCFCE Scholarship.

In her role as Secretary, attends Federation Executive Board meetings and maintains the membership list and sends out the link in recruitment of new members, she maintains confidential notes and records and provides the executive board with timely minutes of all meetings. She never hesitates to show up for events to support fellow officers. Maria is very good at communicating on a regular basis, bringing employee issues forward in a timely manner. She shows up each day and takes on tasks for unit members without excuses or hesitation.

Maria receives numerous calls per day with members seeking guidance and looking for support in relation to work-related issues. She demonstrates a strong commitment to helping unit members in distress, and acts selflessly with her time to support them Maria understands the significance of maintaining confidentiality and has championed working with unit members to try and understand their issues, while building trust and camaraderie among unit them and bringing the concerns back to the executive board. Maria does not enjoy being the front face of the federation and instead prefers working behind the scenes to support unit members fully understanding that such actions build capacity among the classified unit.

The role of Secretary within the federation can be the unsung hero within the executive board because it is this position that is the glue that holds the unit together, and this position requires strong humanitarian, organizational and time management skills along with strong steady boundaries, and a willingness to provide boundless support, and Maria meets the demands of this position.

Congratulations Maria on being the 2026 AVCFCE Humanitarian Award Recipient.

Past Recipients

Wini Brunston	1996
Tami Murakami	1997
Stan Beach	1998
Rochelle Dowdell	1999
Elaine Sterling	2000
Shirlene Thatch	2001
Pamela Ford	2002
Chris Garcia	2003
Mary Kelsay	2004
Tina Wilson	2005
Jill Kitley	2006
Deb Lose	2007
Margie Chavez	2008
Michael Vasquez	2009
Amber Dwinell	2010
Scott Tuss	2011
Brenda Sewell	2012
Ernie Broaden	2013
Kim Fite	2014
Jenell Paul	2015
Suzanne Olson	2016
Jaime Contreras	2017
Maria Valenzuela West	2018
Ryan Tague	2019
Anna Marie Becerra	2020
Geary Cook	2021
Kendra Doss	2022
Veronica Sirotzki	2022
Desireé Lee	2023
Casey Farris	2024
Sylvia Castro	2025

Bill Montamble Award

The Bill Montamble Award honors the contributions of our excellent classified staff at Antelope Valley College in providing support services to our students and to the institution. All college personnel is invited to submit nominations for consideration by the Classified Recognition Committee. Nominations are accepted on the basis of involvement in district activities and persistent dedication to excellence in his/her/their job performance.

2026 Bill Montamble Award Recipient Emily Moulton

Emily is a long-time AVC employee and has consistently proven her dedication to students and this campus time and time again. Her hard work truly does happen behind the scenes, and she continues to make a difference across the entire campus. Emily is a beloved employee and specifically is in service to students each year by overseeing the Foundation Scholarship Program. An impactful program for students, Emily effectively and efficiently manages scholarships and endowments, awards scholarships to students, and organizes the annual Scholarship Meet and Greet Breakfast. Many students' lives have been transformed through this program, and it is one that is very rewarding and inspiring to witness.

Emily demonstrates persistent dedication to excellence in her job performance by her reliability, professionalism, dedication to knowledge and understanding the processes of the college and being able to utilize that knowledge in her own work and to help other employees. Her job performance is outstanding, and she is meticulously organized and efficient in her role as Foundation Specialist at the Foundation Office. Emily is without a doubt a team player. She obviously seeks what is best for the college, her office, students, and staff, and that is evident through her work relationships within the campus. Emily is constantly learning and sharing vital information to promote the betterment of the college.

Emily stands out as an outstanding employee because she is one everyone can count on to help when help is needed. For example, she recently assisted People, Culture and Talent by serving as moderator in the open forums for Vice President of Academic Affairs. This is just one example. Emily consistently assists with Board related tasks, helps to organize luncheons, birthday celebrations, retirement celebrations, and other events for AVC employees. She is someone who in fact does wear many hats. She regularly works on hiring committees and other committees across campus, such as Commencement. Her role as Foundation Specialist is very intricate as she deals often with Financial Aid and other departments across campus. Emily's positive attitude and consistent helpful approach make her well-liked and counted on here at AVC. She is leaving a great mark on this campus! Let's celebrate Emily by honoring her with this special award.

Past Recipients

Jim Reddish	1995-1996
Shirlene Thatch	1996-1997
Stan Moore	1997-1998
Debra Smith	1998-1999
Greg Drossel	1999-2000
Nancy Jo Hatfield	2000-2001
Susan Weitz	2001-2002
James Yoakum	2002-2003
Elaine Sterling	2003-2004
Margie Chavez	2004-2005
Germaine Ulrich	2005-2006
Joseph West	2006-2007
Linda Geist	2007-2008
Kim Covell	2008-2009
Pamela Ford	2008-2009
Terry Schultz	2009-2010
Yvonne Morris	2010-2011
Wilda Wallace	2011-2012
Aeron Zentner	2012-2013
Karen Smith	2013-2014
Wendy Cios	2014-2015
Christi Crosby	2015-2016
Tina Wilson	2016-2017
Glenn Collins	2017-2018
Tracy Fernandez	2018-2019
Terry Shultz	2018-2019
Yvonne Morris	2019-2020
Wilda Wallace	2020-2021
IN HONOR of Frank O'Dell	1978-2022
Michele Schottelkorb	2022-2023
Rosa Hernandez	2023-2024
Greg Krynen	2024-2025

Beacon For Excellence Award

This award, crafted exclusively for confidential employees, is a beacon of inspiration, illuminating the path for others through outstanding dedication, leadership, and service. At AVC, we recognize that our confidential employees play a pivotal role in the success and advancement of our institution. Often working behind the scenes, these individuals contribute in ways that may not always be visible but are crucial to our collective success.

The Beacon For Excellence Award seeks to shine a spotlight on these remarkable individuals who excel in their specific roles and significantly contribute to the enrichment and advancement of our college as a whole. Whether through their exemplary work ethic, innovative problem-solving, or unwavering commitment to excellence, recipients of this award embody the highest standards of professionalism and service. As we present the Beacon for Excellence Award, we celebrate the exceptional contributions of those who illuminate our path forward, guiding us toward a brighter and more prosperous future. This individual is a role model, inspiring others to strive for greatness and fostering a culture of excellence within our college community.

2026 Beacon For Excellence Award Recipient Sheryl Williams

For more than a decade, Sheryl Williams has served as a cornerstone of Academic Affairs, providing stability, leadership, and consistency through an ever-changing landscape. As Senior Administrative Assistant to the Vice President of Academic Affairs, Sheryl has become an indispensable part of the division's operations, supporting countless faculty, administrators, staff, and students with professionalism, discretion, and care.

Throughout her years of service, Sheryl has continuously gone above and beyond the responsibilities of her role. She has dedicated countless hours, including overtime, to ensure the division continues moving forward during periods of transition, growth, and organizational change. Her work ethic, institutional knowledge, and commitment to excellence have helped Academic Affairs maintain continuity and effectiveness, even during some of its most challenging periods.

Sheryl has also played a significant role in improving processes within Academic Affairs. From supporting training efforts to helping streamline contract obligation processes and operational procedures, she has worked diligently behind the scenes to strengthen the efficiency and functionality of the division. Her attention to detail and ability to navigate complex systems have made her a trusted resource for colleagues across campus.

Beyond her technical expertise and operational support, Sheryl is known for the compassion and professionalism she brings to her work every day. She serves not only as an administrative leader, but also as a trusted confidante and listening ear to many throughout the institution. Her ability to handle sensitive matters with discretion, empathy, and integrity has earned the respect and admiration of those she works with.

Over the years, Sheryl has supported multiple Vice Presidents of Academic Affairs, consistently serving as the steady and dependable presence that keeps the division grounded and functioning effectively. Through leadership transitions, shifting priorities, and institutional challenges, she has remained a source of stability and positivity for Academic Affairs and the campus community as a whole.

What sets Sheryl apart is not only the incredible scope of her contributions, but the quiet strength and humility with which she carries them out. She rarely seeks recognition for the work she does, yet her impact can be felt throughout every corner of Academic Affairs. Her dedication, professionalism, and unwavering commitment to supporting others embody the true spirit of the Beacon Award for Excellence and Leadership.

In honoring Sheryl Williams with the 2026 Beacon Award for Excellence and Leadership, CMSA recognizes not only her years of outstanding service, but also the profound influence she has had on the people and programs she supports each day.

Congratulations, Sheryl, on this well-deserved recognition.

Past Recipients

Sherri Burkholder	2024
Ana Patin	2025

Seniority Award

The Seniority Award acknowledges the classified employee with the greatest length of employment. It was started by Mr. Bill Montamble, Vice President of Student Activities, on the occasion of his retirement. The Seniority Award recognizes the contributions made by our excellent classified staff at Antelope Valley College in providing support services to our students and to the institution.

2026 Seniority Award Recipient Linda Sanchez

For nearly three decades, Linda Sanchez has demonstrated exceptional dedication, professionalism, and service to the college community. Beginning her journey in 1998 as a short-term hourly employee, she quickly established a reputation for reliability and a commitment to supporting students and colleagues alike.

From 1999 through 2019, she served as a Secretary in various areas of the campus, where she became a trusted and dependable presence. Over those twenty years, she played an integral role in maintaining daily operations, supporting faculty and staff, and creating a welcoming and efficient environment for students and visitors. Her attention to detail, institutional knowledge, and professionalism made her an invaluable member of the campus community.

Since 2019, Linda has continued her service as a Financial Aid Technician II, where she has helped students navigate the financial aid process with patience, compassion, and expertise. Through her dedication to student success, problem solving abilities, and commitment to excellent service, she has continued to make a meaningful impact on countless students and their families.

Linda's 27 years of service reflect not only longevity, but also an unwavering commitment adaptability, and pride in serving the Antelope Valley College community. We proudly recognize and celebrate her many contributions and thank her for her outstanding service throughout the years.

Past Recipients

Betty Wienke	1992
Betty Craton	1993
Donna Dinger	1994
Becky Derrick	1995
Dave Pruitt	1996
Bonnie Steen	1997
Wini Brunston	1998
Mary Schilling	1999
Shirlene Thatch	2000
Becky Hoerner	2001
Nancy Caselli	2002
Frank O'Dell	2003
Don Sly	2004
Ken Mercado	2005
Stan Moore	2006
Germaine Ulrich	2007
Barbara McLaughlin	2008
Brenda Sewell	2009
Pete Soos	2010
Steve Standerfer	2011
Kenneth Miller	2012
Fred Halls	2013
Yvette Petrin	2014
Wendy Cios	2015
Karen Smith	2016
Debra Smith	2017
Rosa Hernandez	2018
Ryan Tague	2019
Shannon Knab	2020
Glen Collins	2021
Ernie Broaden	2022
Pamela Ford	2023
Rebecca Fiske	2024
Ann Loi	2025

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