

Antelope Valley College

COURSE CATALOG



2023-2024

Serving
Students

BEING KIND



2023-2024 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

Accreditation

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
College Reading and Learning Association
Office of Private Postsecondary Education for Training of Veterans
United States Immigration Service
Board of Vocational Nursing and Psychiatric Technicians

Federal Aviation Administration
Commission on Accreditation for Respiratory Care
Board of Registered Nursing
Joint Review on Education in Radiologic Technology

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: Title IX, Discrimination, Sexual Harassment
Americans with Disabilities Act (ADA), Section 504, Equal
Employment Opportunity
Contact: Vice President of Human Resources, District Compliance
Officer
Human Resources Office, Administration Building
3041 West Avenue K, Lancaster, California 93536-5426
(661) 722-6300 ext. 6311

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

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 Thursday, 7:30 a.m. to 5:00 p.m. and Friday 7:30 a.m. to 11:30 a.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 miembros, se puede encontrar en: www.accjc.org

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Federal Aviation Administration
Commission on Accreditation for Respiratory Care
Board of Registered Nursing
Joint Review on Education in Radiologic Technology

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 la Discriminación 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 Educativo 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 Educativo 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: Título IX, Discriminación, Acoso Sexual,
Americanos con Discapacidades (ADA), Sección 504, Igualdad para
Oportunidades de Empleo
Contáctese con: Vicepresidente de Recursos Humanos, Oficial de
Conformidad del Distrito
Oficina de Recursos Humanos, Edificio Administrativo
3041 West Avenue K, Lancaster, California 93536-5426
(661) 722-6300 ext. 6311

Re: Dominio Limitado del Idioma Inglés
Contact: Sandra Zamudio, Consejera
Departamento de Consejería, Edificio de Servicios Estudiantiles
3041 West Avenue K, Lancaster, California 93536-5426
(661) 722-6300 ext. 6338

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 Jueves de 7:30 a.m. hasta las 5:00 p.m., y Viernes 7:30 a.m. hasta las 11:30 a.m. 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

Welcome from the President



Welcome to Antelope Valley College!

By choosing AVC, you have taken the first step in a new direction that will break boundaries for you, your family, and the community in which you live and contribute. We are so glad you have chosen AVC to meet your educational and vocational goals. Whether you attend virtually, on any of our multiple physical locations, or access learning in multiple ways, we are here to ensure that you have what you need to be successful. From certificates, to associate degrees, to a bachelor's degree, we are proud of the comprehensive opportunities that await you. We are busy building a new instructional facility, so our campus may look like it's ready or accessible, but we are definitely here for you! I hope you make AVC your home, that you immediately feel welcome on this campus, and that all of your experiences are inclusive, positive, and successful. You are joining a diverse student body who is supported by a diverse group of faculty, classified professionals, and administrators whose goal is to maintain excellence in teaching and learning and in comprehensive surround supports. I congratulate you on your bravery, your strength, and your determination to invest in yourself, your career, and your family. As you make your way through this catalog and use the electronic tools available to create your individual education plan, know that the team is here to advise you, support you, mentor you, and celebrate with you upon the completion of your goals. It is my privilege to serve you here at Antelope Valley College, where we proudly:

Serve Students.

Be Kind.

Dr. Jennifer Zellet
Superintendent/President

¡Bienvenido al Colegio de Antelope Valley!

Al elegir AVC, has dado el primer paso hacia una nueva dirección que romperá los límites para ti, tu familia y la comunidad en la que vives y contribuyes. Estamos muy contentos de que hayas elegido AVC para alcanzar tus metas educativas y vocacionales. Ya sea que asista virtualmente, en cualquiera de nuestras múltiples ubicaciones físicas, o acceda al aprendizaje de múltiples maneras, estamos aquí para asegurarnos de que tengas lo que necesitas para tener éxito. Desde certificados, hasta títulos de asociados y una licenciatura, estamos orgullosos de las amplias oportunidades que te esperan. Estamos ocupados construyendo una nueva instalación educativa, nuestro campus puede parecer que no está listo o accesible, ¡pero definitivamente estamos aquí para ti! Espero que hagas de AVC tu hogar, que te sientas Bienvenido/a de inmediato en este campus y que todas tus experiencias sean inclusivas, positivas y exitosas. Te unes a un cuerpo estudiantil diverso que es apoyado por un grupo diverso de profesores, profesionales clasificados y administradores cuyo objetivo es mantener la excelencia en la enseñanza, el aprendizaje y en el soporte integral. Te felicito por tu valentía, tu fuerza y tu determinación de invertir en ti mismo, en tu carrera y en tu familia. A medida que te familiarices con este catálogo y utilices las herramientas electrónicas disponibles para crear tu plan de educación individual, debes saber que el equipo está aquí para asesorarte, apoyarte, guiarte y celebrar contigo al completar tus metas. Es un privilegio servirte aquí en el Colegio de Antelope Valley, donde con orgullo: Servimos a los estudiantes. Seamos amables.

Dra. Jennifer Zellet
Superintendente/Presidenta

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Antelope Valley College

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AVC Leadership

Barbara Gaines, President
Michelle Harvey, Vice President

District Board of Trustees

Michael Adams, Clerk
Steve Buffalo, Member

Michael Rives, Member
Anthony Rivera, Student Trustee

Administration

Dr. Jennifer Zellet	Superintendent/President
Dr. Kathy Bakhit	Assistant Superintendent/Vice-President Academic Affairs
Mr. Shaminder Brar	Assistant Superintendent/Vice-President Administrative Services
Dr. Lauren Helsper	Assistant Superintendent/Vice-President Human Resources & Employee Relations
Ms. Idania Padron	Assistant Superintendent/Vice-President Student Services
Ms. Bridget Cook	General Counsel
Ms. Wendy Dumas	Internal Auditor
Ms. Kathryn Mitchell	Dean Arts & Humanities
Mr. Gregory Bormann	Dean Career Technical Education
Dr. Rashitta Brown-Elize	Dean Counseling and Matriculation
Ms. LaDonna Trimble	Dean Enrollment Services
Dr. Meeta Goel	Dean Institutional Effectiveness, Research and Planning / Library Services
Dr. Benjamin Partee	<i>Interim</i> Dean Kinesiology & Athletics
Ms. Riley Dwyer	Dean Language & Communication Arts
Dr. Jedidiah Lobos	Dean Math, Sciences & Engineering
Mr. Nate Dillon	Dean Social & Behavioral Sciences
Dr. Jill Zimmerman	Dean Student Life & Services
Mr. Van Rider	Dean Workforce Development & Community Engagement
<i>Position vacant</i>	Associate Dean Categorical Programs
Dr. Casey Scudmore	Associate Dean Health & Safety Sciences
Ms. Kenya Johnson	Associate Dean Outreach Services
<i>Position vacant</i>	Associate Dean Student Life
Ms. Harmony Mille	<i>Interim</i> Executive Director Human Resources & Employee Relations
<i>Position vacant</i>	Executive Director Facilities Services
Ms. Sarah Johnston	Executive Director Financial & Fiscal Services
Ms. Dianne Knippel	Executive Director Foundation
<i>Position vacant</i>	Executive Director Information Technology Services
Mr. Alejandro Guzmán	Executive Director Marketing and Public Information
Mr. James Nasipak	Director Auxiliary Services
Ms. Patty McClure	Director Board and Executive Services
Mr. Ramón Castillejo	Director CalWORKs
Mr. Ron Benedetti	Director Capital Projects
<i>Position vacant</i>	Director Child Development Center
Mr. Daniel Conner	Director Enterprise Applications & Data Protection
Ms. Kendra Ruff	Director Extended Opportunity Programs & Services (EOPS)
<i>Position vacant</i>	Director Facilities Planning & Logistics
Ms. Nichelle Williams	Director Financial Aid
Ms. Tammara Steffes	Director Financial & Fiscal Services
Mr. Jim Firth	<i>Interim</i> Director Human Resources & Employee Relations
Dr. Svetlana Deplazes	Director Institutional Research
Dr. Alex Parisky	Director Instructional Technology and Media
Ms. Ashley Hawkins	Director Learning Center
<i>Position vacant</i>	Director Maintenance and Operations
<i>Position vacant</i>	Director Office for Students with Disabilities
Ms. Keina Miranda	Director Palmdale Center & Extended Services
Ms. Debby Clark-Hackenberg	Director Payroll
Mr. Clifford Leighton	Director Performing Arts Theatre
Ms. Angela Musial	Director Purchasing & Contracts
Mr. Terry Cleveland	Director Risk Management and Environmental Health
<i>Position vacant</i>	Director Student Equity
Mr. Michael Dioquino	Director Technology Operations
Ms. Lisa Nowak	Manager Financial & Fiscal Services
Mr. Bill Carlson	Manager Instructional and Support Services
Mr. Allan Gold	Supervisor Campus Events and Operations
Mr. David Chung	Supervisor Custodial
Mr. Philip Planellas	Supervisor Custodial
Ms. Cassandra Trice	Supervisor Food Services
Mr. Robert Stanton	Supervisor Grounds
Mr. Michael Maher	Supervisor Maintenance and Operations
Ms. Rosie Heasley	Project Supervisor Career Technical Education
Ms. Rhonda Burgess	Project Supervisor Human Resources & Employee Relations
Ms. Paige Carter	Project Supervisor Student Services

Divisions

Academic Affairs - Dr. Kathy Bakhit, Vice-President

Ms. Kathryn Mitchell, Dean Arts & Humanities

Art
Dance
Digital Media

Film and Television
Music
Music - Commercial

Photography
Photography - Commercial
Theatre Arts

Dr. Benjamin Partee, Interim Dean Kinesiology & Athletics

Athletic Training
Health Education

Intercollegiate Athletics
Kinesiology

Recreational Leadership

Mr. Gregory Bormann, Dean Career Technical Education

Dr. Casey Scudmore, Associate Dean Health & Safety Sciences

Advanced Aircraft Structure Certification
Advanced Manufacturing
Aeronautical and Aviation Technology
Aeronautical Non-Destructive Inspection
Aerospace Leadership and Management
Air Conditioning and Refrigeration
Aircraft Fabrication and Assembly
Airframe Manufacturing Technology
Auto Body

Automotive Technology
Distance Education
Electrical Technology
Electronics Technology
Emergency Medical Technology
Fire Technology
Industrial Manufacturing
Medical Office Assisting

Metrology Sciences for Aerospace
Manufacturing
Nutrition and Foods
Radiologic Technology
Registered Nursing
Respiratory Care
Vocational Nursing
Welding

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

Anatomy
Astronomy
Biology
Botany
Chemistry
Computer Science

Earth Science
Engineering
Geography/GIS
Geology
Mathematics
Microbiology

Physical Science
Physics
Physiology
Water Treatment

Mr. Van Rider, Dean Community Projects & Extended Learning

Adult Education (AB104)
Corporate and Community Services
Dual Enrollment

Economic Development
High School Articulation
Off Site Campuses

Palmdale Center
Pre-Apprenticeships Cal Grant
Prison Education

Ms. Riley Dwyer, Dean Language & Communication Arts

Academic Development
Chinese
Communication Studies
Deaf Studies
English
English as a Second Language

French
German
Interpreter Training
Journalism Reading
Latin
Learning Assistance

Learning Center
Spanish
Student Equity
World Language

Mr. Nate Dillon, Dean Social & Behavioral Sciences

Accounting
Administration of Justice
Anthropology
Business
Business Information Professional
Child and Family Education

Computer Applications
Cooperative Work Experience
Economics
Education
History
Management

Marketing
Philosophy
Political Science
Psychology
Real Estate
Sociology

Divisions

Student Services - Idania Padron Reyes, Vice-President

Dr. Rashitta Brown-Elize, Dean Counseling & Matriculation

Vacant, Associate Dean Categorical Programs

CalWORKs

Career Center

Counseling Services

Extended Opportunity Programs & Services (EOP&S)

Human Development

Matriculation

Office for Students with Disabilities (OSD)

S.T.A.R.

Transfer Center

Ms. LaDonna Trimble, Dean Enrollment Services

Academic Records

Admissions and Records

Assessment

Athletic Verification

Audit/Credit by Examination

Enrollment Management

Enrollment Services

Extenuating Circumstances Petition

Financial Aid

Graduation

Transcripts

Dr. Jill Zimmerman, Dean Student Life & Services

Ms. Kenya Johnson, Associate Dean Outreach Services

Ms. Michelle Hernandez, Associate Dean Student Life

Associated Student Organization

Basic Needs

Commencement

First Year Experience

International Student Program

Job Placement

Outreach/Information & Welcome Center

Second Year Experience

SOAR High School/Early College High School

Student Activities

Student Health Services

Study Abroad

Veterans Resource Center

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, proficiency requirements, 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.

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 through land purchases.

AVC began to host upper division and graduate level programs offered by California State University, Bakersfield. California State University, Bakersfield-Antelope Valley and now hosts its own satellite campus at AVC's Lancaster campus. As well, the AVC engineering program transfers electrical and mechanical engineering students directly to the California State University, Long Beach, ABET accredited, Antelope Valley Engineering Program located at the Lancaster University Center. The overall majority of the program's graduates have found employment within the greater Aerospace Valley.

AVC responded to the needs of south valley residents by establishing a Palmdale site, currently 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. In the fall semester of 2019, approximately 5,700 students received instructional and student at the Palmdale Center.

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 the outdated facilities are to be replaced with the construction of the new Sage Hall, Discovery Lab, Student Services, and Cedar Hall buildings.

Sage Hall opened in October 2021 followed by the Discovery Lab in May 2022. Over the coming three years Student Services and a new main entrance will open in Fall of 2022. The gymnasium will be renovated, three existing buildings will be upgraded, the Marauder Athletic Complex will be completed, and Cedar Hall (a three story instructional complex) will be constructed. This will complete the build out of the 2016 capital bond measure.

Additionally, a 35 million dollar investment account has been created to provide interest proceeds for the purpose of maintaining the college.

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 the 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.

Degrees and Programs

AVC offers Associate in Science and Associate in Arts Degrees for both transfer and non-transfer students. Per SB 1440, AVC also offers Associate in Science for Transfer and Associate in Arts for Transfer Degrees. Technical, trade, business, health sciences, and service programs are offered for the occupational student.

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.

Summer Session: AVC operates a summer session each year. The maximum unit load for a student during the summer session is fifteen semester units. Several training and recreational programs have been sponsored or cosponsored by AVC as special features of the summer session.

Evening and Saturday Classes: Many of the same college-level classes that are offered during the day are also offered in the evening, Saturdays, and occasionally on Sundays, in all academic fields, business, technical, vocational and semiprofessional areas. Also offered are courses and programs other than those available in the weekly, daytime schedule: namely, offerings of a community service nature, courses for adults, and classes designed to provide training for persons employed during daytime hours. The college is committed to the same high quality of instruction in all course offerings. Evening classes are courses scheduled to begin at or later than 4:30 p.m.

Academic Calendar

Fall 2023 Academic Calendar

Registration		Consult enrollment dates at AVC.edu
Semester begins		August 14
*Last day to Add (full-term courses)	In Person - August 25	On Web - August 27
*Last day to drop with refund (full-term courses)	In Person - August 25	On Web - August 27
*Last day to drop without a "W" (full-term courses)	In Person - August 25	On Web - August 27
Last day to elect pass/no pass option	Up to the last day of class	
Labor Day (College closed)		September 4
Priority filing date for Spring 2024 Graduation		September 6
Priority filing date for Summer 2024 Graduation		September 6
Last day to submit Petition for Credit by Exam		September 8
Indigenous Peoples' Day (College closed)		October 9
*Last day to drop with a "W" (full-term courses)		November 3
Veteran's Day (College closed)		November 10
Thanksgiving (College closed)		November 23
Local Holiday		November 24-25
Semester ends		December 2

Spring 2024 Academic Calendar

Registration		Consult enrollment dates at AVC.edu
Semester begins		January 8
Dr. Martin Luther King Day (College closed)		January 15
Lincoln's Day (College closed)		February 16
Local Holiday		February 17
Washington's Day (College closed)		February 19
*Last day to Add	In Person - January 19	On Web - January 21
*Last day to drop with refund (full-term courses)	In Person - January 19	On Web - January 21
*Last day to drop without a "W" (full-term courses)	In Person - January 19	On Web - January 21
Last day to submit Petition for Credit by Exam		February 2
Last day to elect pass/no pass option	Up to the last day of class	
Priority filing date for Fall 2024 Graduation		February 14
Spring Break (No classes)		Mar 4- Mar 9
Cesar Chavez Day (College closed)		April 1
*Last day to drop with a "W" (full-term courses)		April 5
Semester ends		May 4
Graduation		May 3

Summer 2024 Academic Calendar

Registration		Consult enrollment dates at AVC.edu
Semester begins		May 13
Memorial Day (College Closed)		May 27
*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 (credit/no credit) option		To be determined
Last day to drop without a "W" (full-term courses)		To be determined
Juneteenth (College closed)		June 19
Independence Day (College closed)		July 4
Last day to drop with a "W" (full-term courses)		To be determined
Semester ends		August 3

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

Admission and Registration

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 ccr.oal.ca.gov and in the Antelope Valley College library.

Admissions applications are submitted through the web using OpenCCCA apply 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 \$342 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 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 and 15 units in summer 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 2023–24 school year is \$342 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 \$408.00 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 (equal to \$1.75 a week for 16 weeks). Includes ASO sticker

Summer - \$21.00 (equal to \$1.75 a week for 12 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.

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/student-services/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.

Students can purchase an ASO sticker for \$10.00 in the Fall, Spring and Summer semesters at the Cashier's Office located in the Student Services building. When students purchase their parking pass online it includes the ASO sticker. Place the ASO sticker on your AVC Student ID and bring it to T700 E1 to receive your benefits card. The ASO Sticker has many benefits for our students. They include:

- Free admission to Football and Basketball games in the current semester (excluding playoffs and tournaments).
- 40 free copies from the WEPA machines during Fall, Spring and Summer semesters.
- Community discounts provided through the 25Score card. (for a complete listing of the discounts or to register your card go to www.25score.com)

Student Representation Fee: The student representation fee of \$2 provides support of governmental affairs representatives who may be stating their positions and viewpoints regarding community colleges and related issues before city, county and district government offices and agencies of the state and federal government.

Students may opt out of the Student Representation fee. The Student Representation Waiver form is available in the Student Life and Services Office T700E1.

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 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 Services fee can be found online at www.avc.edu/sites/default/files/student-services/student-life/

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 \$11,700

Student living away from home \$19,944

Add \$362 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.

Summer refunds are only issued for drops during the first week. Refunds are issued 6-8 week after the beginning 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 sessions.
2. Students must fill out a parking permit refund request. All refunds will be mailed to address on file. There will be no cash refunds.

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 T700 E1. Refunds will be mailed to the address on file with the college within 2 weeks.

Refund of Student Health Services Fee: The Student Health Services Fee will be refunded in full to those student who completely withdraw from all classes within the first two weeks of instruction.

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.

Student Success and Support Programs

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:

- 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.

You agree to:

- 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 antecedentes en un idioma que no sea inglés pueden obtener ayuda comunicándose con el consejero de ESL. El consejero de ESL puede ayudar a los estudiantes con la colocación de 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.

Glossary of College Terms

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.)

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 and 18 or more units in a designated major or area of emphasis. Additional information is detailed on Page 49 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 (IGETC/CSU GE) and 18 or more units in a designated major or area of emphasis. Additional information is detailed on Page 49 of this catalog.

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

University or college degree earned upon completion of four years (approx. 120 semester units) of college level work. Additional information is detailed on Page 48 of this catalog.

Certificate of Achievement

Awarded for completion of occupational/career programs as defined by AVC. These certificates have been reviewed and approved by the Academic Policies & Procedures Committee (AP&P), the Board of Trustees and the Chancellor’s Office.

Certificate of Proficiency

Locally approved certificate programs may consist of one or more courses totaling from 6-17 units that lead to an occupationally relevant set of skills. These certificates have been reviewed and approved by Academic Policies & Procedures Committee (AP&P) and the Board of Trustees.

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, 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. Summer cannot 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 19 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 traditional online sections (asynchronous), hybrid sections (mostly online but meet on campus for orientation and tests), and blended sections (classes meet at lower capacity, alternating between online and in-class schedules). 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 (g))

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 (Breadth Requirements)

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.

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. 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 19 of this catalog.

Probation, Academic

Student is placed on academic probation after attempting 12 semester units at AVC when the student's grade point average in units attempted is less than 2.0. Additional information on probation is detailed on Page 36 of this catalog.

Probation, Progress

After enrolling in at least 12 units of AVC credit, a student shall be placed on progress probation when the percentage of all units in which a student has enrolled and for which entries of "W," "I" and "NP" are recorded reaches or exceeds 50 percent. Additional information on progress probation is detailed on Page 36 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.

Transfer General Education Certification

A process wherein AVC verifies that the student transferring to a campus of the California State University (CSU) or University of California (UC) systems has met or partially met the General Education requirements for transfer. Certification occurs only upon student request to the transcript department.

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 35 of this catalog.

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.

For more information on the service, click the hyperlink or the "+" icon for more information.

Admissions and Records (661) 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 (661) 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 (661) 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 (661) 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 (661) 722-6300 ext. 6326

The CalWORKs program is to assist students who are currently receiving cash aid from the county. The primary purpose of the CalWORKs program is to prepare students to make a successful transition from welfare to employment.

Antelope Valley College has a long history of successful CalWORKs students who have earned Associate Degrees, certificates, as well as successfully transferring to universities to complete their Bachelor's or Master's degrees. CalWORKs students are provided with resources to support their different needs to further their educational success.

The CalWORKs program staff is committed to creating an environment which promotes:

- A spirit of trust
- Mutual understanding and respect
- Education and training that leads to family self-sufficiency
- Student empowerment and advocacy
- Student success
- Development of the whole person
- Development and achievement of individual goals
- Lifelong learning skills

Students also receive the following support services from the CalWORKs program:

- Career counseling
- Academic counseling
- Case Management
- Coordination and advocacy with Los Angeles and Kern County Department of Public Social Services
- Books, supplies and special fees requests
- Referrals to other support programs and services at the college, including work study

To be eligible for the CalWORKs program at Antelope Valley College, students must be receiving cash aid for themselves and their child(ren).

Career Center (661) 722-6300 ext. 6340

The Career Center services provided include individual advising appointments for major and career exploration, workshops during the Fall and Spring terms, and career and occupational information in both Online and print formats. Career assessment and career planning information through Kuder Journey and Eureka, two web-based career assessment and information systems, that are accessible with AVC subscriber codes provided by the Career Center. Students may also use the hard copy of the Self-Directed Search for educational and career planning. 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.

Child Development Center (661) 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 to five years of age. The state preschool provides a subsidized half-

day program to eligible three, four and five-year-old children. 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 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.-4:30 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.

Counseling Center (661) 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 para Inglés como Segundo Idioma (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 (661) 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 (661)

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: <https://www.avc.edu/student-services/eopscare>

Financial Aid (661) 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 awarded 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 preceding the next academic year of enrollment. Students may continue to apply for financial aid after the priority deadline. Go to 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 male born after December 31, 1960, must be registered with Selective Service. Applications can be obtained at the local post office.
4. 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.
5. A student may not owe a refund on any grant received from any college or be in default on a federal loan.
6. 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. Complete 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 while yearly allocation is available.

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. Promise Grant (formerly known as Board of Governors Fee Waiver) - This 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 Promise Grant, 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 have not completed the FAFSA may qualify for a fee waiver by completing the Promise Grant Application. Eligibility criteria for the Promise Grant Application include the following: students or their families must be receiving TANF (Temporary Aid to Needy Families)/CalWORKs, SSI (Supplemental Security Income), or General Assistance, or the student must meet the income limit based on family size. For example, a family of four must have had a total income for last year of less than \$36,900. Students should come to the Financial Aid Office in the month prior to registration to apply for this fee waiver or apply online at

www.avc.edu/student-services/finaid

Loss of Fee Waiver Eligibility (Title 5, sections 58621 and 55031) - After two consecutive primary terms of not meeting academic or 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 2022-2023 Dream Act Application starting October 1, 2021 to receive Cal Grants, Chafee Grants and some scholarships beginning with the Fall 2022 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 Promise Program Tuition Assistance is a state-funded tuition reimbursement program aimed at first-time college students who are ineligible for the Promise Grant (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 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 may also be available for the student in their second year if they continue to meet the above requirements in consecutive terms. The Promise Program tuition assistance will terminate after the completion of the second consecutive 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, preceding 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.

First Year Experience (FYE)

(661) 722-6300 ext. 6478

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: www.avc.edu/fye

Information and Welcome Center/Outreach

(661) 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

(661) 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/student-services/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 TEOFL 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*(661) 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 cultures different. 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

(661) 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)

(661) 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 (661) 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 (661) 722-6300 ext. 6458

The Learning Center helps to provide academic support for students enrolled in all AVC classes. Enrolled students can receive tutorial assistance for most classes as well as assistance in analyzing their learning styles and improving their study skills. Tutors work with students individually and in small groups to both understand the course material and learn new study strategies. Supplemental Instruction is available for historically difficult courses. Embedded Tutors are available to assist the instructor in the classroom during class instruction. Faculty Learning Specialists in the areas of math, writing and academic skills work one-to-one with students to diagnose basic skills or study strategies deficiencies and to create an individual learning plan for improvement. The Learning Center presents study skills workshops on topics such as time management, memory improvement, test-taking skills, etc., as well as math and writing workshops targeted to specific skills for math, reading, and composition classes.

The Learning Center also offers courses in Managing Writing Anxiety, Math Anxiety and Math Study Strategies in addition to three transfer-level courses—Introduction to Tutoring, Advanced Tutoring, and Master Tutor—that are nationally certified.

The faculty and staff of the Learning Center provide services in the following ways:

- One-to-one tutorials.
- Group tutorials.
- Workshops and reviews.
- Computer-assisted instruction.
- Consultation with a faculty Learning Specialist.
- Use of computers for word processing.
- Internet access.
- Videos, DVDs and audio cassettes.
- Web-based instructional services and materials.

Programs of the Learning Center include:

Student Success Center

The Success Center, located in the Northeast section of the Learning Center building, has two classrooms that can be opened up into one, depending on the event. Students and teachers can interact using state of the art technology, diverse resources, and friendly peer assistance from student learning assistants, in a contemporary cafe type of environment. The rooms are open daily for student use, including computer usage and tablets for small group meetings.

Academic Skills Center

The Academic Skills Program helps students learn to “study smarter, not harder” by providing individual consultation with a faculty Learning Specialist who uses a series of diagnostic techniques to evaluate the student’s study skills and weaknesses and assists the student with the development of a study strategy tailored to the individual learner. Additionally, workshops on a variety of study techniques are offered throughout the semester. Flyers announcing these topics are available in the Learning Center and on the Learning Center’s Website at www.avc.edu/lc. Unscheduled (Fast Track) workshops are available by request. Handouts, videos and DVDs on various study skills are also available. The Learning Specialist also provides academic support for students on academic or financial aid probation as well as early intervention for students at risk. Call the Academic Skills Learning Specialist to make an appointment.

Math Center

The Math Center provides tutoring for all levels of math and math related classes. Tutoring is offered on a drop-in basis for all students who are enrolled in classes at AVC. Students can check out math software, videos, DVDs and Web-based materials for all math classes. The Math Learning Specialist teaches classes regarding Managing Math Anxiety, Math Study Strategies, and offers class visits.

Reading Center

Students who wish to learn how to better use their textbook as a study tool, how to integrate lecture notes with the material from the text, or how to improve vocabulary, etc., can find many resources in the Reading center. The

center provides one-to-one and group tutorial services for reading courses as well as cross-curricular reading support. The center also provides Computer Assisted Instruction, workshops, handouts, and media dealing with reading related study skills.

Supplemental Instruction

Supplemental Instruction (SI) is the Learning Center program that addresses the needs of students in historically difficult classes. It focuses on integrating study strategies with course content. Supplemental Instruction Leaders attend class and meet outside the class in the Learning Center with groups of students to discuss difficult concepts, review notes, develop study aids, develop testing skills and prepare for upcoming tests. The schedule for SI group meeting times is announced in class and posted in the Learning Center.

General Tutoring Center

The Tutoring Program provides weekly group tutorial appointments for selected classes of AVC students who have an Associated Student Organization sticker or are served through EOP&S. The focus of the sessions will be on mastering the course content as well as the study skills necessary to be a successful student. Students can request appointments by stopping by the tutorial desk or calling. Students are expected to attend these sessions weekly.

Writing Center

Trained tutors assist writers (beginning through advanced) in planning and preparing writing assignments across the curriculum, revising for clarity, and building writing skills. Instructor-led workshops on a variety of topics such as essay planning and organization, reducing writing anxiety, MLA and APA formats, research paper, grammar and punctuation, and essay test-taking are offered throughout the semester. Handouts, computer programs, instructional videos, and Web-based materials are available to help students polish their writing skills. Access to writing handbooks and dictionaries is also provided.

Other Learning Center Services

The Learning Center is not an open computer lab, but students can use a computer for word processing and Internet access for support of a class when space is available. In addition, students can check out videos and DVDs on academic support related topics. Computer-assisted instructional materials, handouts and other self-study materials are also available.

Another service located in the Learning Center is the DSS High-Tech Center, (661) 722-6300 ext. 6231, which provides specialized adaptive computerized hardware and software, including screen reading programs, dictation programs and cognitive retraining programs, etc.

Learning Disabilities (661) 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 be tested to find out if they are eligible for this program.

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 (661) 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/student-services/library

Marketing (661) 722-6300 ext. 6312

The Office of Marketing and Public Information oversees all college communications, marketing and branding activities, and consults with divisions and departments to provide marketing strategy support, 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.
- 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

(661) 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

(661) 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 (661) 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.

Second Year Experience (661) 722-6300 ext. 6478

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: www.avc.edu/studentservices/sye

SOAR (661) 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.

STAR (661) 722-6300 ext. 6084

S.T.A.R. (Student Transfer and Academic Retention) is a federally funded TRIO Student Support Services Program designed to identify promising students and help them to excel in college. The program provides academic and instructional encouragement through the use of Peer Mentors who monitor, support and tutor these students. A full time counselor provides educational plans, career advisement, and personal counseling. The goal of S.T.A.R. is to help students do well in college so they can obtain their Associates degree and/or transfer to a 4-year university.

Eligibility is determined by these federal guidelines: students are eligible to apply if they are first generation (which means that neither of their parents have graduated from a 4-year university), have a documented financial need, are a U.S. citizen or resident alien, and/or are a documented disabled student. Additional eligibility is further determined by academic potential and demonstrated academic need for the program. Students must be enrolled in and maintain 9 semester units. The program is funded to serve 170 students per year which are selected from the applicant pool.

Applications are available in the S.T.A.R. office, second floor SSV. Call (661) 722-6300 ext. 6084 with questions.

Services provided:

- Priority registration
- Computer lab
- Counseling
- Peer mentoring
- Tutoring in math and English
- Progress monitoring and personal support
- Financial aid and scholarship application assistance
- Supplemental grant aid
- Academic, goal setting and career advisement
- Computer literacy and research skills instruction
- Academic enrichment workshops
- Cultural enrichment activities
- Academic copies made for free

Student Equity (661) 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 Life and 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 Life and Services Office is located in T100.

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 Life and 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 Life and 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 Life and 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 Life and Services Office located in T100.

Student Life and Services (661) 722-6300 ext. 6354

The Student Life and Services Division includes the following departments:

- Basic Needs Center
- Behavioral Intervention Team BIT/CARE
- Dreamers Center
- First Year Experience (FYE)
- Information and Welcome Center/Outreach
- International Students - Study Abroad
- Job Placement
- PRIDE Center
- Second Year Experience (SYE)
- SOAR
- Student Life
- Veterans

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

- AVC ID Cards
- Annual Commencement Ceremony to celebrate AVC graduates as they walk across the stage.
- Meetings with the Dean for guidance and supportive resources.
- Volunteer Core - Students will be able to gain volunteer experience on and off campus.
- Law Scholars Program
- LGBTQIA+ Committee
- Student Lounge Events (Located in SCT 150)
- Community Flyer Posting

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

Transcripts/Enrollment Verification

(661) 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/student-services/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 (661) 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 (661) 722-6300 ext. 6342

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's mission is to provide student veterans, service members, and their families with the resources, support, and advocacy needed to be successful in the classroom and ultimately in life.

Antelope Valley College, under the purview of the California State Approving Agency for Veterans Education, certifies enrollment for both certificates and degrees. 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.

Veterans receiving VA education benefits must be enrolled in a program that leads to an Associate's 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.

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

Academic Policies / Programs

We are committed to providing a supportive and enriching educational environment that nurtures your growth as a student. This section serves as a valuable resource to help you navigate and understand the key aspects of our educational system.

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 ccr.oal.ca.gov 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 ccr.oal.ca.gov 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 ccr.oal.ca.gov 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 with an asterisk (*) before the title of the course in the class schedule and catalog. The following policies govern Pass/No Pass courses at AVC:

- A maximum of 12 Pass/No Pass units may be applied toward fulfillment of requirements for the A.A. or A.S. degree.
- A maximum of 6 Pass/No Pass units may be applied toward requirements for a certificate.
- A maximum of 6 Pass/No 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.

6152 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 ccr.oal.ca.gov 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)

The Honors Transfer Alliance Program (TAP) offers a series of specially designed classes and contract options for motivated, academically outstanding students. The program stresses writing, research and critical thinking skills.

There are two types of Honors Courses: Honors classes and Honors options. Honors classes are only available to Honor students and have a small class size. Honors options allow Honor students to do research in more depth and breadth within a regular course. Several core courses, designed to meet transfer requirements, are offered over a two-year schedule with a number of Honors classes and Honors contracts offered each semester. Students who complete at least five Honors classes/contracts (three must be classes) and other program requirements are recognized as graduates of the Honors TAP graduates program during the annual Honors Convocation.

Students who graduate from the Honors Transfer Alliance Program may receive priority consideration for admission to different UCs and CSUs such as the University of California at Los Angeles (UCLA), University of California at Irvine (UCI) and California State University, Fullerton.

Additionally, Honor students who complete a minimum of five Honors courses (three must be Honors classes), and earn an Associate Degree (AS-T, AA-T, AA, or AS) with a 3.0 GPA or higher get "Honors Scholar" designated on their transcripts.

Eligibility and enrollment into the Honors TAP program include:

1. Completed application returned to the Honors Coordinator.
2. Attached transcript(s) as follows:
Post-High School Eligibility
Un-weighted Cumulative (Grades 10-12) 3.5 GPA
SAT score recommended
AVC Grades Eligibility
3.0 in 12 or more academic units.
3. Establish eligibility for ENGL 101 and MATH 102.
4. Secure approval from the Honors Coordinator.

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 taken at another college will be accepted for credit at Antelope Valley College. Upper-division courses from US regionally accredited colleges will only be counted if needed to meet minimum degree requirements. 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 acceptable toward the associate degree includes those courses from regionally accredited institutions (see above for list of regionally accrediting agencies) that have 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 specific or transfer specific (UC or CSU) requirements, 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.

There is a limitation of 6 units or 2 courses of Upper Division coursework that can be applied for AVC programs.

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 a final review.
4. After the final review, the student will receive an email with the outcome of the course evaluation. 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.

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 General Education pattern of CSU Breadth or IGETC.

3. Law Enforcement Training

a. California “Post” Academy

b. California Highway Patrol

c. L.A. Police Department Academy

4. Registered Nursing - LVN Advanced Placement

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)

11. College-level Examination Program (CLEP)

12. International Baccalaureate (IB)

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 ccr.oal.ca.gov 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.

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/Probation and Dismissal

Placement on Probation:

1. A student who has attempted at least 12 semester units of AVC credit shall be placed on academic probation when the earned GPA in all units attempted at AVC is less than 2.0.

2. A student who has enrolled in at least 12 semester units of AVC credit shall be placed on progress probation when the percentage of all units in which a student has enrolled and for which entries of “W,” “I” and “NP” are recorded reaches or exceeds 50 percent.

A student who has been placed on probation shall be notified via their AVC email of the probation status. Students that are on probation will have a probation hold placed on their record. Students with an Academic Probation/Progress I status, will be required to complete the online Probation/Progress I workshop at www.avc.edu/studentservices/counseling/dismissal. A student with a status of Academic /Progress Probation II will be required to attend the “Mastering Academic Success” workshop. Contact the Counseling Department by calling (661) 722-6300 ext. 6338 to schedule a workshop.

Removal from Probation:

1. A student on academic probation because a 2.0 GPA has not been maintained shall be removed from probation when a cumulative GPA of 2.0 or better is attained.

2. A student on progress probation for excessive “W,” “I” and “NP” grades shall be removed from probation when the percentage of all units in which the student has enrolled and for which entries of “W,” “I” and “NP” were recorded drops below 50 percent.

Dismissal: At the end of each semester, students on probation shall be dismissed when one of the following conditions applies:

1. The earned grade point average in all units attempted at Antelope Valley College is less than 2.0 in each of three consecutive semesters.

2. The number of units for which “W,” “I” and “NP” grades have been assigned has warranted probationary status for three consecutive semesters.

3. A combination of (1) and (2) above occurs for three consecutive semesters.

Students will be notified of their dismissal from the college by their AVC email. Dismissal students are required to attend a dismissal workshop. Contact the Counseling Department by calling (661) 722-6300 ext. 6338 to schedule a workshop

Students who believe they have been dismissed in error or have an unusual circumstance they believe warrants an exception to the dismissal may file an Appeal for Readmission. Nonacademic reasons for dismissal from class or from the college include excessive absences, unsatisfactory classroom conduct, poor citizenship, or deliberate or willful falsification of information on any document supplied the college. Grades in all classes carried at the time of dismissal will be awarded according to the grading policy. A student who is dismissed for other than academic reasons is not eligible for readmission. Students dismissed for nonacademic reasons may be dismissed for one to four semesters.

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 earned grade point average is 2.0 or better.

Reinstatement: A student who has been dismissed from AVC may appeal the dismissal by filing an Appeal for Reinstatement. If the appeal is denied, the student may not enroll at AVC until at least one semester has elapsed and a new Appeal for Reinstatement has been submitted and approved.

Readmitted students will be required to meet with a counselor to make a plan and determine conditions for readmission. The plan may include, but is not limited to, limiting units, repeating failed courses, meeting with a counselor each semester until such time as they are removed from probationary status, or other conditions as necessary to help assure the student's success.

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 not only words and ideas, but also graphs, artwork, music, maps, statistics, diagrams, scientific data, software, films, videos and the like. Plagiarism is plagiarism whether the material is from published or unpublished sources. It does not matter whether ideas are stolen, 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. 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 give an "F" grade, or numerical equivalent, for the assignment or examination.

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 AP 5520.

Student Discipline Procedures

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

These policies and procedures are reprinted from the AVC BP 5500, AP 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 days 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 AP 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

AP 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 AP 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, 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 must 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 will 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 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 BP 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 Human Resources and Employee Relations, 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:

Vice President of Human Resources/District Compliance Officer

Antelope Valley College

Office of Human Resources and Employee Relations

3041 West Avenue K, Lancaster, CA 93536-5426

(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 BP 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 general 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 ccr.oal.ca.gov and in the Antelope Valley College Library.

Business Courses:

BUS 090, How to Start Your Business
BUS 091, How to Maintain Your Business
BUS 099, Map for Workplace Success

Computer Applications Courses:

CA 098, Computers, Application Software, and Technology for Beginners

English Courses:

ENGL 090, Writing Support

English as a Second Language Courses:

ESL 015CE, Civics
ESL 018, ESL Reading and Writing 1
ESL 019, ESL Skills Building 1
ESL 020, ESL Vocabulary and Pronunciation 2
ESL 023, ESL Grammar 2
ESL 028, ESL Reading and Writing 2
ESL 030, ESL Vocabulary and Pronunciation 3
ESL 033, ESL Grammar 3
ESL 038, ESL Reading and Writing 3
ESL 040, ESL Vocabulary and Pronunciation 4
ESL 043, ESL Grammar 4
ESL 048, ESL Reading and Writing 4
ESL 050P, ESL Vocabulary and Pronunciation 5
ESL 053, ESL Grammar 5
ESL 058, ESL Reading and Writing 5
ESL 060, VESL Welding

Learning Assistance Courses:

LAC 020, Managing Writing Anxiety
LAC 022, Managing Math Anxiety
LAC 023, Math Study Strategies
LAC 900, Supervised Tutoring
LAC 901, Supervised Learning Assistance

Nursing Skills:

NS 101L, Skills Lab 101L
NS 102L, Skills Lab 102L
NS 130L, Skills Lab 130L
NS 201L, Skills Lab 201L
NS 202L, Skills Lab 202L
NS 230L, Skills Lab 230L
NS 240L, Skills Lab 240L

Reading Courses:

READ 099, Critical Reading

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 *BP 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 *AP 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.

Credit for Advanced Placement Exam (AP)

*AP exams may be used to satisfy AVC General Education requirements: For applicability toward CSU requirements (major or General Education) or IGETC 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. (This information is subject to change. Please check with a counselor for most current requirements.)

Examination	Score	Credit	AVC Course Equivalency	*AVC GE Area Granted
Art History	3, 4, 5	3 / 3	ART 101 / 102	AVC AREA C
Art, Studio (2-D Design, 3-D Design, Drawing)	3, 4, 5	3	Not Applicable	Not applicable
Biology	3, 4, 5	4	BIOL 101 / 101L	AVC AREA A
Chemistry	3, 4, 5	5 / 5	CHEM 110 / 120	AVC AREA A
Chinese Language and Culture	3, 4, 5	5 / 5	CHIN 101 / 102	AVC AREA C
Computer Computer Science A	Science: 3, 4, 5	3	CS 121	AVC AREA D2
Computer Science Principles	3, 4, 5	3 / 3	CS 110	AVC AREA D2
Economics: Macroeconomics	3, 4, 5	3	ECON 101	AVC AREA B
Microeconomics	3, 4, 5	3	ECON 102	AVC AREA B
English: English Language and Composition	3, 4, 5	3	ENGL 101	AVC AREA D1
English Literature and Composition	3, 4, 5	3 / 3	ENGL 101 / ENGL 102	AVC AREA D1 OR C
Environmental Science	3, 4, 5	3	BIOL 104	AVC AREA A
French Language and Culture	3, 4, 5	5 / 5	FREN 101 / 102	AVC AREA C
French Literature	3, 4, 5	5 / 5	FREN 201 / 202	AVC AREA C
German Language and Culture	3, 4, 5	5 / 5	GER 101 / 102	AVC AREA C
German Literature	3, 4, 5	4 / 4	GER 201 / 202	AVC AREA C
Government & United States	Politics: 3, 4, 5	3	POLS 101	AVC AREA B
Comparative Government	3, 4, 5	3	POLS 103	AVC AREA B
History: United States	3, 4, 5	3 / 3	HIST 107 / 108	AVC AREA B
European History	3, 4, 5	3 / 3	HIST 101 / 102	AVC AREA B
World History	3, 4, 5	3 / 3	HIST 104 / 105	AVC AREA B
Human Geography	3, 4, 5	3	GEOG 105	AVC AREA B
Italian Language and Culture	3, 4, 5	5 / 5	Not applicable	AVC AREA C
Japanese Language and Culture	3, 4, 5	5 / 5	Not applicable	AVC AREA C
Latin	3, 4, 5	5 / 5	LATN 101 / 102	AVC AREA C
Mathematics: Calculus AB	3, 4, 5	5	MATH 150	AVC AREA D2
Calculus BC (AB subscore may be used)	3, 4, 5	5 / 4	MATH 150 / 160	AVC AREA D2
Statistics	3, 4, 5	4	MATH 115	AVC AREA D2
Music Theory	3, 4, 5	3 / 2	MUS 151 / 251A	AVC AREA C
Physics 1	3, 4, 5	4	PHYS 101	AVC AREA A
Physics 2	3, 4, 5	4	PHYS 102	AVC AREA A
Physics C (Mechanics)	3, 4, 5	4	PHYS 110	AVC AREA A
Physics C (Electricity & Magnetism)	3, 4, 5	4	PHYS 120	AVC AREA A
Psychology	3, 4, 5	3	PSY 101	AVC AREA B
Spanish: Language and Culture	3, 4, 5	5 / 5	SPAN 101 / 102	AVC AREA C
Spanish: Literature and Culture	3, 4, 5	5 / 5	SPAN 201 / 202	AVC AREA C

College Level Examination Program (CLEP)

* Essay may be required for credit at Antelope Valley College.

The UC does not grant credit for any CLEP exams. Some CLEP exams can be used to satisfy CSU General Education Certification. However, the application of CLEP credit to major requirements can vary from campus to campus. Check the appropriate catalog and consult a counselor. (This information is subject to change. Please speak with a counselor for the most current requirements.)

Examinations	Minimum Score	Credits Awarded For AVC Course Equivalency	Awarded For (Semester)	Credit
Accounting, Introductory	50	4	ACCT 201	
American Government*	50	3	POLS 101	
Business Law, Introductory	50	3	BUS 201	
Calculus	50	5	MATH 150	
Chemistry	50	5 / 5	CHEM 110 / 120	
College Algebra	50	3	MATH 128	
College Composition Modular	50	3	ENGL 101	
College French, Level 1, Second Semester	50	5 / 5	FREN 101 / 102	
College French, Level 2, Fourth Semester	62	5 / 5	FREN 201 / 202	
College German, Levels 1, Second Semester	50	5 / 5	GER 101 / 102	
College German, Level 2, Fourth Semester	63	4 / 4	GER 201 / 202	
College Spanish, Levels 1 Second Semester	50	5 / 5	SPAN 101 / 102	
College Spanish, Level 2, Fourth Semester	66	5 / 5	SPAN 201 / 202	
General Biology	50	4	BIOL 101 / 101L	
History of the United States I	50	3	HIST 107	
History of the United States II	50	3	HIST 108	
Human Growth Development*	50	3	PSY 235	
Information Systems & Computer Applications	50	3	CIS 141	
Macroeconomics, Principles of	50	3	ECON 101	
Microeconomics, Principles of*	50	3	ECON 102	
Management, Principles of	50	3	MGT 101	
Marketing, Introductory	50	3	MKTG 101	
Psychology, General*	50	3	PSY 101	
Sociology, Introductory*	50	3	SOC 101	
Western Civilization I:	50	3	HIST 101	
Western Civilization II:	50	3	HIST 102	
Analyzing and Interpreting Literature	50	6	AVC AREA C	
Biological	50	3	AVC AREA A	
Humanities	50	6	AVC AREA C	
Mathematics	50	6	AVC AREA D2	
Natural Sciences	50	6	AVC AREA A	
Social Sciences & History	50	6	AVC AREA B	

Postsecondary Education in California



UNIVERSITY OF CALIFORNIA

- University of California, Berkeley
- University of California, Davis
- University of California, Irvine
- University of California, Los Angeles
- University of California, Riverside
- University of California, San Diego
- University of California, San Francisco
- University of California, Santa Barbara
- University of California, Santa Cruz
- University of California, Merced

CALIFORNIA STATE UNIVERSITY

- California Polytechnic State University, San Luis Obispo
- California State Polytechnic University, Humboldt
- California State Polytechnic University, Pomona
- California State University, Bakersfield
- California State University, Channel Islands
- California State University, Chico
- California State University, Dominguez Hills
- California State University, East Bay
- California State University, Fresno
- California State University, Fullerton
- California State University, Long Beach
- California State University, Los Angeles
- California State University, Monterey Bay
- California State University, Northridge
- California State University, Sacramento
- California State University, San Bernardino
- California State University, San Marcos
- California State University, Stanislaus
- California Maritime Academy
- San Diego State University
- San Francisco State University
- San Jose State University
- 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 the previous 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 a 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 a bachelor's degree.

Doctorate Degree

> Master's degree plus advanced graduate courses in a specialized area. Units vary, depending on the field of study. Usually referred to as a 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 a master's degree. Dissertation required.

Graduation / Associate Degree and Certificate Requirements

Associate Degree Requirements

(Title 5, Section 55063)

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

Associate Degrees for Transfer (ADT) 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 ADT 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 Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-Breadth).

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

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

ADTs 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 ADTs.

Students transferring to a CSU campus that does accept the AA-T or AS-T 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 an AA-T/AS-T 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
- Chemistry, AS-T
- Communication Studies, AA-T
- Computer Science, AS-T
- Early Childhood Education, AS-T
- Economics, 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, AS-T
- Music, AA-T
- Philosophy, AA-T
- Physics, 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.

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. Students will receive information on participating in the annual commencement ceremony from Student Life during Spring term. 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 natural science present critical thinking and problem solving methods. These courses also explore the relationship that exists between people and science;
- 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 the 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 language and rationality present principles of languages which lead toward logical thought, clear and precise expression, and critical evaluation of communication;
- Courses or a combination of courses in the performing and visual arts and physical education provide both theory and practice;

- Courses in foreign language include substantive content of the culture of the relevant country;
- 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 might 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 A, B, C, D1, D2, E and F to total a minimum of 21 units.

Area A - Natural Sciences

Courses in the Natural Sciences are those which examine the physical universe, its life forms and its natural phenomena. To satisfy the GE requirement in natural sciences, a course shall be designed to help the student develop an appreciation and understanding of the scientific method, and encourage the understanding of the relationships between science and other human activities.

Select at least 3 units

ANTH 101, 101L

ASTR 101, 101L

BIOL 100, 101, 101L, 102, 103, 104, 110, 120, 201, 202, 204, 205

CHEM 101, 102, 110, 120, 210, 220

ELTE 101

ERSC 101

GEOG 101, 101L, 102, 102L

GEOL 101, 101L, 102, 102L

PHYS 101, 102, 110, 120, 211

PSCI 101

Area B - Social & Behavioral Sciences

Courses in the Social and Behavioral Sciences are those which focus on people as members of society. To satisfy the GE requirement in social and behavioral sciences, a course shall be designed to develop an awareness of the method of inquiry used by the social and behavioral sciences. It shall be designed to stimulate critical thinking about the ways people act and have acted in response to their societies and should promote appreciation of how societies and social subgroups operate.

Select at least 3 units

AJ 201, 204, 206

ANTH 102, 103, 110, 112, 140

BUS 101, 212

CFE 102, 103

COMM 217

DFST 105, 106, 110

ECON 100, 101, 102, 110

GEOG 105, 106, 110

HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116, 118, 119

POLS 101, 103, 200, 201, 202, 203

PSY 101, 200, 201, 212, 230, 232, 233, 234, 235, 236

SOC 101, 105, 110, 111, 112, 115, 116, 120, 200
THA 240

Area C - Humanities

Courses in the Humanities are those which study the cultural activities and artistic expression of human beings. To satisfy the GE requirement in the humanities, a course shall be designed to help the student develop an awareness of the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them in artistic and cultural creation and help the student develop aesthetic understanding and an ability to make value judgements.

Select at least 3 units

ART 100, 101, 102, 103, 104, 106, 110, 113, 120, 132, 135, 136, 137, 140, 145, 150, 163, 170, 210, 213
CHIN 101, 102, 201, 202
COMM 112, 114, 214, 217, 219
DA 101
DFST 101, 102, 105, 106, 201, 202
ENGL 102, 111, 112, 221, 222, 225, 227, 230, 231, 235, 242, 253, 256, 257, 259, 265, 279
FREN 101, 102, 201, 202, 203
FTV 101, 103, 107, 108, 201, 203, 241, 251, 261
GER 101, 102, 201, 202
HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 115, 118, 119
LATN 101, 102, 201
MUS 101, 105, 111, 121, 131, 132, 151, 153, 185, 231, 232, 251A, 251B, 253A, 253B
MUSC 102, 103, 107, 108, 109
NF 150
PHIL 105, 106, 108, 109
PHOT 107
PHTC 101, 150, 201
SPAN 101, 110SS, 102, 201, 202, 210SS, 220SS
THA 101, 102, 103, 110, 115A, 115B, 116A, 116B, 117A, 117B, 118A, 118B, 121A, 121B, 130, 133, 225, 239

Area D - Language & Rationality

Courses in Language and Rationality are those which develop for the student the principles and applications of language toward logical thought, clear and precise expression and critical evaluation of communication in whatever symbol system the student uses.

Select 3 units from (1) and select 3 units from (2)

D1: Academic Composition

Courses fulfilling the written composition requirement shall be designed to include both expository and argumentative writing.

ENGL 101

D2: Communication and Analytical Thinking

Courses fulfilling the communication and analytical thinking requirement include oral communication, mathematics, logic, statistics, computer languages and programming, and related disciplines.

BUS 113

CA 103

CS 100, 110, 120, 121, 122, 123
COMM 101, 107, 109, 112, 114, 115, 201 217, 219
ENGL 102, 103
GEOG 201, 205
MATH 103, 110, 115, 116, 120, 124, 128, 131, 135, 140, 148, 150, 160, 220, 230, 250
PHIL 101, 106, 110, 201

Area E - Additional Breadth

Courses in this area are designed to expand the acquisition and utilization of knowledge in GE and/or self understanding. Courses must be taken from a discipline not previously selected.

Select at least 3 units

From areas A, B, C, D2 or:

HD 100, 101, 102, 103, 105

HE 101, 110, 120, 201

KINT 100

LIB 107, 110

NF 100, 102, 103, 110, 150

Any DA activity course(s) from DA 102-205, except DA 107A-C, 108, 109 and 111

Any Kinesiology Fitness (KINF) activity course, Intercollegiate Athletics (IATH) activity course, or up to 4 units for military experience

Area F - Diversity Studies

The primary focus of courses meeting the Diversity Studies requirement will deal, in depth, with non-dominant groups in the State of California and the United States. These groups of people are defined as African-American, Hispanic, Asian-Pacific Islander, Native American and Women. Courses meeting the Diversity Studies requirement will deal with more than one group. Courses will deal with one non-dominant group in comparison to the dominant group or other non-dominant group(s). Issues of racism and sexism will be explicitly covered.

Select 3 units

ANTH 102, 112

BUS 212

CFE 116

COMM 114, 217, 219

DFST 105, 106, 110

ECON 110

ENGL 253, 256, 257, 259

ETHN 101, 102, 103

FTV 201, 203

HE 110, 201

HIST 110, 111, 113

MUSC 107, 108

POLS 202

SOC 105, 110, 116,

THA 239, 240

2. Proficiency Requirements

Proficiency requirements exist for the areas of Writing and Math. Students must demonstrate competency in each of these areas in order to be eligible for the associate degree.

A. WRITING: Completion of ENGL 101 with a minimum grade of “C.”

NOTE: ENGL 101 may be taken with the Pass/No Pass option; however, students are cautioned that other colleges and universities may not accept ENGL 101 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.

B. MATHEMATICS: Completion of MATH 102 or higher or CS 150 with a satisfactory grade or placement by AVC assessment into a math course higher than MATH 102.

3. Major and/or Area of Emphasis Requirements

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.

Major requirements may be satisfied by: (Title 5, Section 55063) 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 ccr.oal.ca.gov 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.

Credit Courses Not Transferable

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:

Basic Skills Courses:

Academic Support Courses:

- ENGL 100A, Academic Strategies
- ENGL 101C, Composition Strategies
- MATH 015, Support Course for Math 115
- MATH 031, Support Course for Math 131
- MATH 035, Support Course for Math 135

Certificate Programs

Title 5, Section 55070, 55072

At Antelope Valley College there are two types of educational programs which lead to certificates of achievement.

1. 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. Such programs at AVC usually lead to the associate degree as well.

2. 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.

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 degree. Students will receive information on participating in the annual commencement ceremony from Student Development during spring term. 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.

IGETC and CSU 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.

IGETC: In order to be awarded a Certificate of Achievement for the Intersegmental General Education Transfer Curriculum (IGETC), students must complete a minimum of 37 units, with grades of "C" or better. No class may be used to satisfy requirements in more than one of the five (IGETC Areas 1 - 5) general areas. Eligible courses taken at other regionally accredited institutions may be considered by Antelope Valley College for the certificate. Students should consult with a counselor. (See pages 56-57)

CSU GE: In order to be awarded a Certificate of Achievement for the California State University General Education Breadth (CSU GE), students must complete a minimum of 39 units, with grades of "C" or better. No class may be used to satisfy requirements in more than one of the five general areas. Eligible courses taken at other accredited institutions may be considered by Antelope Valley College for

the certificate. Students should consult with a counselor. (See pages 58-59)

NOTE: Earning a Certificate of Achievement for IGETC or CSU GE 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
- Geographic Information Systems
- Metrology Sciences for Aerospace Manufacturing
- Yoga Instructor

Noncredit Certificates: Certificate of Competency

Noncredit certificate of competency 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
- High Intermediate ESL
- Nursing Skills Lab

Local Certificates: Certificate of Proficiency

Local Certificates: Certificate of Proficiency

Locally approved Certificates of Proficiency may consist of one or more courses totaling from 6-17 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 18 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 Manufacturing
Computer Aided Drafting in SolidWorks

Catalog Rights Policy

Provided that continuous attendance is maintained, AVC students may elect the degree requirements in effect at:

1. The time they entered AVC; or
2. The time they graduate from AVC.

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, regular (fall/spring) semesters. Summer

terms cannot be used to establish catalog rights nor to maintain continuous attendance.

Once catalog rights are established, absence related to attendance at another accredited institution of higher learning shall not be considered an interruption, providing the absence does not exceed two years.

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 www.avc.edu/information/catalog for the most up to date version, which may include changes to academic policies or procedures as a result of new or revised legislation, course prerequisites, or other academic concerns.

NOTE: Those students, regardless of catalog rights, who receive a substandard grade (D, F, NP) for a course have the opportunity to repeat the course once. If on the subsequent attempt the course has a current prerequisite, corequisite, or limitation on enrollment that was not in effect the first time the course was taken, the student must meet the most recent academic requirement.

Change in Majors

Students changing major will be subject to the major requirements in effect at the time of the change, but will be allowed to continue with previously established non-major requirements (general education, proficiencies, etc.).

Transfer Information

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.

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. The CSU will accept up to 70 semester units of transferable courses. The UC will accept up to 70 semester units of UC transferable courses. Courses that are transferable are designated as (CSU) and/or (UC) in the description of courses in the catalog. 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.

The University of California System (UC)

The University of California system is made up of ten campuses located throughout California—in Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, San Francisco, Santa Barbara and Santa Cruz. All of these campuses have certain features in common—uniform admission requirements, highly qualified faculty and excellent libraries. All maintain the same high academic standards. Nine of the campuses offer comprehensive undergraduate programs with a variety of individual specialties. The San Francisco campus is unique because all of its programs are in the health sciences. Each campus has its own character and distinctive features which contribute to the diversity of the University as a whole.

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.

Major Requirements at UC Campuses

Refer to the UC website admission.universityofcalifornia.edu/campuses-majors to explore the majors offered by each UC Campus.

Intersegmental General Education Transfer Curriculum (IGETC)

Completion of the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from a California Community College (CCC) to a California State University (CSU) or University of California (UC) campus generally without the need, after transfer, to take additional lower-division, general education courses to satisfy campus general education requirements. For most students, it is strongly recommended that students complete IGETC prior to transfer. Advantages of completing IGETC may include more flexibility in class selection at the university and timely progress to degree completion. Most UC and CSU campuses will accept the completed IGETC to satisfy lower-division general education requirements. However, some individual colleges or majors within a UC campus may not accept or recommend IGETC to fulfill all of their general education requirements.

Completion of the IGETC is not a requirement for all CSU or UC transfer students, nor is it the only way to fulfill the lower-division, general education requirements of the CSU or UC prior to transfer. However, if a student is pursuing IGETC certification, the course requirements for all areas must be completed before the IGETC can be certified. All courses must be completed with grades of “C” or better. Additionally, the IGETC must be completed and certified before the student enrolls at a CSU or UC campus. Requirements for the IGETC cannot be completed once the student enrolls at a CSU or UC campus.

Students can submit a request for IGETC certification with the AVC Transcript Office. Certifications are sent along with the student’s official transcript to the CSU or UC campus. Students are encouraged to monitor the documentation timelines from the CSU or UC campus as to when the IGETC certification has to be received at the transfer institution.

Please note: A student completing IGETC GE who plans to transfer to a CSU, must complete IGETC Area 1c (COMM 101). Additionally, the student is strongly encouraged to complete the American Institutions requirement as this is a CSU Graduation Requirement (please see page 59 “Requirements for American Institutions” for the list of courses that satisfy this area).

IGETC for STEM Majors

Students preparing for a major in science, technology, engineering, or mathematics are eligible to complete IGETC for STEM Majors, a separate IGETC track designed specifically for these disciplines. For certification under IGETC for STEM Majors, students must complete the following:

- All courses in Areas 1, 2, and 5 of the traditional IGETC; and
- Two courses in Area 3 and two courses in Area 4, as well as one course for UC-bound students who have not satisfied 6A through proficiency.

One remaining lower-division general education course in Area 3, one remaining lower-division general education course in Area 4, and, if necessary, one remaining course in Area 6A will be completed after transfer. This general education plan will allow STEM students to concentrate on the required lower division math and science courses needed for success in the major. These *deferred* lower division general education courses must be replaced in coursework before transfer with calculus and/or major science courses required by the major. Students are eligible to complete the IGETC for STEM Majors option only if it would be impossible for them to complete both major/major preparation coursework and either IGETC and/or the CSU GE Breadth plan within 60 units prior to transfer. The following programs are approved to use IGETC for STEM:

- Biology, AS-T
- Chemistry, AS-T

The following information is based on the IGETC list. Consult with a counselor for the most current requirements, which are subject to change.

AREA 1– English Communication

CSU: Three courses required, minimum of one from Group A, B and C.

UC: Two courses required, minimum of one from Group A and B.

Group A: English Composition

One course, 3 semester or 4 quarter units. No AP or IB scores accepted for this area.

ENGL 101

Group B: Critical Thinking–English Composition

One 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 102, 103

PHIL 201

Group C: Oral Communication (CSU only)

One course, 3 semester or 4 quarter units. No AP or IB scores accepted for this area.

COMM 101

AREA 2– Mathematical Concepts and Quantitative Reasoning

One course, 3 semester or 4 quarter units.

MATH 110, 115, 116, 124, 128, 140, 148, 150, 160, 220, 230, 250

AREA 3 – Arts and Humanities

At least three courses, 9 semester or 12 quarter units. At least one course from the Arts and one from the Humanities.

A: Arts:

ART 100, 101, 102, 103, 104, 106

DA 101

ENGL 235

FTV 101, 107, 108, 201, 203

MUS 101, 105

MUSC 102, 103, 107, 108

THA 101, 110, 225

B: Humanities:

CHIN 102

COMM 114, 217

ENGL 221, 222, 225, 227, 230, 231, 235, 242, 253, 256, 257, 259, 265, 279

FREN 102, 201, 202, 203

FTV 201, 203, 251

GER 102, 201, 202

HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 115, 119

LATN 102, 201

PHIL 105, 106, 108, 109

PHOT 107

SPAN 110SS, 201, 202, 203, 210SS, 220SS

THA 239

AREA 4 – Social and Behavioral Sciences

At least three courses, 9 semester or 12 quarter units. Courses from at least two academic disciplines.

AJ 206

ANTH 102, 103, 110, 112, 140

BUS 212
CFE 102, 103
DFST 105, 106
ECON 100, 101, 102, 110
GEOG 105, 106, 110
HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116, 118, 119
POLS 101, 103, 200, 202, 203
PSY 101, 200, 201, 212, 230, 232, 233, 234, 235, 236
SOC 101, 105, 110, 111, 112, 115, 116, 120, 200

AREA 5 – Physical and Biological

At least two courses, 7 semester or 9 quarter units, with one from the Physical Science and one from the Biological Science; at least one of the two courses must include a Laboratory.

A: Physical Sciences:

ASTR 101, 101L#
CHEM 101#, 102#, 110#, 120#, 210#, 220#
ERSC 101#
GEOG 101, 101L#, 102, 102L#
GEOL 101, 101L#, 102, 102L#
PHYS 101#, 102#, 110#, 120#, 211#
PSCI 101#

B: Biological Sciences:

ANTH 101, 101L#
BIOL 101, 101L# 102#, 103#, 104, 110#, 120#, 201#, 202#, 204#, 205#
#Meets laboratory requirement.

AREA 6 – Language Other Than English

UC Requirement ONLY

Proficiency equivalent to two years of high school study, in the United States, in the same language with a grade of “C” or better **OR** earn a score of 3 or higher on the AP Foreign Language test, **OR** complete one of the foreign language courses listed below.

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

Students must provide AVC with an official high school transcript and/or an official college board score report in order for this area to be certified without the need to complete additional courses at AVC.

AREA 7 – Ethnic Studies

1 course, 3 semester or 4 quarter units
*Reduction of units in Area 4 and inclusion of Area 7 take effect for students matriculating at a California community college beginning in Fall 2023

ENGL 257
or
ETHN 257EN

The California State University System (CSU)

The CSU system is composed of 23 campuses that serve more than 470,000 students. CSU has more than 1,400 bachelor’s and master’s degree programs in over 200 different subject areas and a variety of teaching and school service credential programs. CSU campuses offer undergraduate and graduate programs providing liberal arts education as well as preparation for occupations such as business, engineering, the arts, and science and health professions.

A community college student may transfer a maximum of 70 semester units to a campus of the CSU. Courses that are transferable to the CSU are designated as (CSU) in the description of courses in this catalog. Please be cautioned that some of these courses will only transfer as elective credit.

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. If a student was eligible for admission to the CSU from high school—i.e., had satisfied the subject requirements and achieved the required scores on the eligibility index—a student is eligible to transfer at any time, provided that a 2.0 GPA is maintained in transferable college courses.

NOTE: Consult the CSU Application Packet for information on required high school subjects and eligibility index.

2. If a student earned the required scores on the eligibility index, but had not satisfied the required college preparatory high school subjects, a student may take college courses in the subjects that were missing and be eligible to transfer upon their completion, provided the student maintains a 2.0 GPA in transferable courses.

3. If a student was ineligible for admission from high school because the student lacked required subjects and did not achieve the required scores on the eligibility index, the student must do three things:

- a. Complete 56-60 transferable semester units at AVC (depending on the campus selected);
- b. Establish a minimum 2.0 GPA at AVC; and,
- c. Complete a minimum of 37 semester units from the CSU General Ed. Requirements. Of these 39 units a student must include courses from A-1, A-2, A-3 and B-4 with a minimum evaluative grade of “C” before he/she matriculates to a CSU campus.

General Education Requirements for the CSU System

The California State University General Education Breadth (CSU GE) requirements have been designed to complement the major program and electives completed by each baccalaureate candidate, to assure that graduates have made noteworthy progress toward becoming truly educated persons.

Courses approved for CSU GE should be responsive to the need for students to have developed knowledge of, or skills related to, quantitative reasoning, information literacy,

intellectual inquiry, global awareness and understanding, human diversity including ethnic studies, civic engagement, communication competence, ethical decision-making, environmental systems, technology, lifelong learning and self-development, and physical and emotional health throughout a lifetime.

To qualify for full certification, a student must satisfactorily complete 39 lower-division semester units or the quarter unit equivalent as follows: CSU GE Areas A – E, for students completing an AD-T *or* CSU GE transfer requirements prior to Fall 2022; CSU GE Areas A – F for first-time college student beginning Fall 2021 or thereafter. CSU GE certification indicates that a transfer student has met CSU lower-division GE requirements.

Students can submit a request for CSU GE certification with the AVC Transcript Office. Certifications are sent along with the student's official transcript to the CSU campus. Students are encouraged to monitor the documentation timelines from the CSU as to when the CSU GE certification has to be received at the transfer institution.

Ethnic Studies- Effective Fall 2021

Commencing with students graduating in the 2024–25 academic year, the California State University shall require, as an undergraduate graduation requirement, the completion of, at minimum, one three-unit course in Ethnic Studies.

Please note: (1) - Students who started at a CCC prior to Fall 2021 and have maintained continuous enrollment are not required to complete CSU Area F for CSU GE certification.

(2) - New students starting at a CCC beginning Fall 2021 are required to complete 3 semester/4 quarter units for CSU GE certification.

For additional information, speak with a counselor.

CSU GE Breadth for STEM Majors

Students pursuing certain AD-Ts may be eligible to complete "GE Breadth for STEM," which defers one lower-division course in CSU GE Area C and one lower-division course in CSU GE Area D until after transfer. The GE Breadth for STEM option is applicable only to majors for which the Transfer Model Curriculum specifies GE Breadth for STEM.

CSU GE Breadth for STEM certification as part of the AD-T requires the completion of the following requirements:

- All courses in Areas A, B, E and F of the traditional GE curriculum; and
- One course in Area C1 Arts and one course in Area C2 Humanities; and
- One course in Area D.

STEM:

Biology, AS-T

A. English Language Communication and Critical Thinking (9 units)

Select at least 3 units from each of the following sub-categories.

A-1 **Oral Communication

COMM 101

A-2 **Written Communication

ENGL 101

A-3 **Critical Thinking

COMM (110), 115

ENGL 102, 103

PHIL 101, 106, 110, 201

** Courses in this area must be completed with a grade of "C" or better to be certified.

B. Scientific Inquiry and Quantitative Reasoning (9–12 units)

One course each in Subareas B-1, B-2, and B-4, plus laboratory activity (B-3) related to one of the completed science courses.

B-1 Physical Science

ASTR 101

CHEM 101*, 102*, 110*, 120*, 210*, 220*

ERSC 101*

GEOG 101, 102

GEOL 101, 102

PHYS 101*, 102*, 110*, 120*, 211*

PSCI 101*

B-2 Life Science

ANTH 101

BIOL 101, 102*, 103*, 104, 110*, 120*, 201*, 202*, 204*, 205*

B-3 Laboratory Activity

ANTH 101L

ASTR 101L

BIOL 101L

GEOG 101L, 102L

GEOL 101L, 102L

B-4 **Mathematics/Quantitative Reasoning

CIS 121

MATH 110, 115, 116, 120, 124, 128, 135, 140, 148, 150, 160, 220, 230, 250

* Class includes a laboratory component. Credit will also be granted for Area B-3.

** Courses in this area must be completed with a grade of "C" or better to be certified.

C. Arts and Humanities (9 units)

Select one course from the arts and one course from the humanities. Select the remaining units from C-1 or C-2. No more than 4 units of performance or art activity classes shall be chosen. Performance/activities are indicated in ***bold & italics***.

C-1 Arts (Art, Dance, Music, Theatre)

ART 100, 101, 102, 103, 104, 106, ***113, 132, 135, 137, 140, 145, 163, 170, 213***

COMM 112, 114

DA 101

FTV 101, 107, 108, 201, 203, 251

HIST 115

MUS 101, 105, 111, ***121, 126, 131, 132***, 151, 153, ***153B, 160, 166, 185, 231***, 251A, 251B

MUSC 102, 103, 107, 108, 142, ***173, 220A, 273***

PHOT 107

PHTC **101, 150, 201**

THA 101, 102, 110, **130, 225**

C-2 Humanities (Literature, Philosophy, Foreign Languages)

CHIN 101, 102, 201, 202

COMM 112, 217, 219

DFST 101, 102, 201, 202

ENGL 102, 111, 112, 221, 222, 225, 227, 230, 231, 235, 242, 253, 256, 257, 259, 265, 279

FREN 101, 102, 201, 202, 203

FTV 201, 203, 251

GER 101, 102, 201, 202

HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 115, 118, 119

LATN 101, 102, 201

MUSC 108

NF 150

PHIL 105, 106, 108, 109

PHOT 107

SPAN 101, 102, 110SS, 201, 202, 203, 210SS, 220SS

THA 239

D. Social Sciences (9 units)

Note: (1) - Students who started at a CCC prior to Fall 2021 and have maintained continuous enrollment, must complete 9 semester or 12 quarter units for CSU GE certification. Courses must be taken from more than one discipline.

Note: (2) - New students starting at a CCC beginning Fall 2021 or later need to complete 6 semester units or 9 quarter units for CSU GE certification. Courses can be from the same or different discipline.

AJ 206

ANTH 102, 103, 110, 112, 140

BUS 212

CFE 102, 103

DFST 105, 106, (110)

ECON 100, 101, 102, 110

GEOG 105, 106, 110

HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116, 118, 119

POLS 101, 103, 200, 201, 202, 203

PSY 101, 200, 201, 212, 230, 232, 233, 234, 235, 236

SOC 101, 105, 110, 111, 112, 115, 116, 120, 200

E. Lifelong Learning and Self-Development (3 units)

Select 3 units, or DD 214 for 4 units

DA 108, 111

CFE 102

COMM 107

HD 101, 102, 105

HE 101, 120

NF 100, 103, 150

PSY 212, 236

SOC 111, 116, 120

F. Ethnic Studies (3 units)

Ethnic Studies courses for AVC are pending approval. CSU GE Breadth requirements were revised to include CSU GE Area F effective Fall 2021. This revision/new requirement applies to new students starting at a CCC beginning Fall 2021. Commencing with students graduating in the 2024–25 academic year, the California State University shall require, as an undergraduate graduation requirement, the completion of, at minimum, one three-unit course in Ethnic Studies.

For additional information, speak with a counselor.

Requirements for American Institutions (6 units)

Select one pair. Courses used to satisfy the American Institutions requirement may also apply to Category D above.

HIST 107 and POLS 101

HIST 108 and POLS 101

HIST 110 and POLS 101

HIST 111 and POLS 101

PLEASE NOTE: Newly approved courses effective Fall 2022 are indicated in parenthesis.

Major Requirements at CSU Campuses

Access the respective CSU website or the ASSIST website.

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.

Please note: Students who were following a CSU GE pattern prior to Fall 2021, do not have to complete the CSU Area F requirement at this time. Instead, the student will complete 9 units in CSU Area D (see list for approved courses).

Course Identification Numbering System C-ID

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to www.assist.org 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 #	AVC Course	Title	ARTS 101	ART 150	3-D Design Basics
ACCT 110	ACCT 201	Financial Accounting	ARTS 110	ART 110	Drawing
ACCT 120	ACCT 205	Managerial Accounting	ARTS 200	ART 216	Life Drawing
ADS 130 X	PSY 105	Group Leadership and Process	ARTS 205	ART 210	Advanced Drawing
ADS 140 X	PSY 103	The Physiology and Pharmacology of Psychoactive Drugs	ARTS 205	ART 170	Drawing II
ADS 150 X	PSY 104	Prevention, Intervention, and Education	ARTS 210	ART 113	Painting
AG-EH 108 L	AGRI 134	Plant Identification I	BIOL 110 B	BIOL 201	General Human Anatomy
AG-EH 112/109 L	AGRI 234	Plant Identification II	BIOL 120 B	BIOL 202	General Human Physiology
AJ 110	AJ 101	Introduction to Administration of Justice	BIOL 140	BIOL 120	General Organismal, Ecological, and Evolutionary Biology
AJ 120	AJ 102	Criminal Law	BIOL 190	BIOL 110	General Molecular Cell Biology
AJ 124	AJ 103	Criminal Evidence	BUS 110	BUS 101	Introduction to Business
AJ 140	AJ 205	Criminal Investigation	BUS 115	BUS 113	Business Communications
AJ 150	AJ 208	Introduction to Forensic Science	BUS 125	BUS 201H	Business Law Honors
AJ 160	AJ 201	Police in Society	BUS 125	BUS 201	Business Law
AJ 200	AJ 104	Introduction to Corrections	BUS 140	CA 103	Introduction to Computers and Digital Technology
AJ 220	AJ 204	Juvenile Procedures	BUS 140	CA 221	Computer Concepts and Applications in Business
ANTH 110	ANTH 101H	Biological Anthropology Honors	BUS 140	CIS 101	Introduction to Computer Information Science
ANTH 110	ANTH 101	Introduction to Physical Anthropology	CDEV 100	CFE 102	The Developing Child
ANTH 115 L	ANTH 101L	Physical Anthropology Laboratory	CDEV 110	CFE 103	The Child in Family and Community Relationships
ANTH 120	ANTH 102	Introduction to Cultural Anthropology	CHEM 101	CHEM 101	Introductory Chemistry
ANTH 150	ANTH 140	Introduction to Archaeology	CHEM 102	CHEM 102	Introductory Chemistry (Organic & Biochemistry)
ARTH 100	ART 100	Art Appreciation	CHEM 110	CHEM 110	General Chemistry
ARTH 110	ART 101	History of Art, Prehistoric to Gothic	CHEM 120 S	CHEM 110, CHEM 120	General Chemistry + General Chemistry
ARTH 110	ART 101	History of Art, Prehistoric to Gothic	CHEM 150	CHEM 210	Organic Chemistry
ARTH 130	ART 106	History of Art: Asia	CHEM 160 S	CHEM 210, CHEM 220	Organic Chemistry + Organic Chemistry
ARTH 140	ART 103	History of Art: Africa, Oceania and Indigenous North America	CMUS 140 X	MUSC 104	The Music Industry
ARTH 150	ART 104	History of Modern and Contemporary Art in the 20th Century	COMM 110	COMM 101	Introduction to Public Speaking
ARTS 100	ART 145	2-D Design Basics	COMM 115	COMM 103	Process of Communication

COMM 120	COMM 115	Introduction to Argumentation and Debate	EET 142 X	ELTE 180	Microprocessor Systems
COMM 130	COMM 107	Introduction to Interpersonal Communication	EET 144 X	ELTE 180	Microprocessor Systems
COMM 140	COMM 109	Small Group Communication	EET 150 X	ELTE 180	Microprocessor Systems
COMM 150	COMM 219	Introduction to Intercultural Communication	EET 155 X	ELEC 160	Fundamentals of Motor Control
COMM 160 B	COMM 116	Forensics	ENGL 100	ENGL 101SL	Academic Composition for ESL
COMM 170	COMM 112	Oral Interpretation	ENGL 100	ENGL 101	Academic Composition
COMM 180	COMM 103	Process of Communication	ENGL 105	ENGL 103	Critical Thinking and Research
COMM 190	COMM 110	Persuasion	ENGL 105	ENGL 103H	Critical Thinking and Research Honors
COMP 112	CS 110	Introduction to Programming Concepts and Methodologies	ENGL 120	ENGL 102H	Critical Thinking and Literature Honors
COMP 122	CS 120	Programming and Algorithms in C/C++	ENGL 120	ENGL 102	Critical Thinking and Literature
COMP 122	CIS 111	Introduction to Programming and Algorithms	ENGL 130	ENGL 221	American Literature, 1400-1865
COMP 122	CS 121	Programming and Algorithms in Java	ENGL 135	ENGL 222	American Literature, 1865-Present
COMP 122	CS 123	Programming and Algorithms in C#	ENGL 140	ENGL 230H	World Literature 1 Honors
COMP 122	CS 122	Programming and Algorithms in Python	ENGL 140	ENGL 230	World Literature 1
COMP 132	CS 131	Data Structures in Java	ENGL 140	ENGL 230	Masterpieces of World Literature: Antiquity to the Renaissance
COMP 132	CS 130	Data Structures using C++	ENGL 145	ENGL 231	Masterpieces of World Literature: Since the Renaissance
COMP 132	CIS 113	Data Structures	ENGL 145	ENGL 231	World Literature 2
COMP 132	CS 132	Data Structures in Python	ENGL 160	ENGL 225	English Literature, 800-1750
COMP 142	CS 140	Assembly Language and Computer Architecture	ENGL 165	ENGL 226, ENGL 227	English Literature, 1750-1900 + English Literature, 1900-Present
COMP 142	CIS 123	Assembly Language and Computer Architecture	ENGR 110	ENGR 110	Engineering Orientation and Basic Skills
COMP 152	CIS 121	Computer Mathematics	ENGR 130	ENGR 210	Statics
COMP 152	CS 150	Discrete Structures	ENGR 140	ENGR 130	Materials Science
ECE 120	CFE 101	Introduction to Early Childhood Education	ENGR 140 B	ENGR 130	Materials Science
ECE 130	CFE 105	Discovery-Based Education for Children	ENGR 140 L	ENGR 130L	Materials Science Lab
ECE 200	CFE 201	Child Development Practicum-Observation and Assessment	ENGR 150	ENGR 140	Engineering 3D Graphics
ECE 210	CFE 202	Child Development Practicum-Emergent Leadership	ENGR 220	ENGR 125	Programming and Problem-Solving in MATLAB
ECE 220	CFE 211	Health, Safety and Nutrition for the Young Child	ENGR 230	ENGR 215	Dynamics
ECE 230	CFE 116	Diversity in Early Childhood Education	ENGR 240	ENGR 220, ENGR 220L, ENGR 220PS	Strength of Materials + Strength of Materials Lab + Strength of Materials Problem Solving Session
ECON 201	ECON 102	Principles of Microeconomics	ENGR 240	ENGR 220	Strength of Materials
ECON 201	ECON 102H	Principles of Microeconomics Honors	ENGR 260	ENGR 230	Circuit Analysis
ECON 202	ECON 101	Principles of Macroeconomics	ENGR 260 L	ENGR 230	Circuit Analysis
EET 100 X	ELTE 125	Direct Current and Alternating Current Principles	FIRE 100 X	FTEC 111	Fire Protection Organization
EET 105 X	ELTE 125	Direct Current and Alternating Current Principles	FIRE 110 X	FTEC 112	Fire Prevention Technology
EET 130 X	ELTE 130	Digital Circuit Analysis	FIRE 120 X	FTEC 113	Fire Protection Equipment and Systems
EET 140 X	ELTE 180	Microprocessor 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 150	FTV 244	Production and Post-Production of the Short Film	MATH 150	MATH 128	College Algebra for Liberal Arts
GEOG 110	GEOG 101	Physical Geography: Earth's Surface Landscapes	MATH 155	MATH 140	Precalculus
GEOG 111	GEOG 101L	Physical Geography Lab: Earth's Surface Landscapes	MATH 220	MATH 160	Calculus and Analytic Geometry
GEOG 120	GEOG 105	Cultural Geography	MATH 230	MATH 250	Calculus and Analytic Geometry
GEOG 125	GEOG 110	World Regional Geography	MATH 240	MATH 230	Introduction to Ordinary Differential Equations
GEOG 130	GEOG 102	Physical Geography: Earth's Weather and Climate	MATH 250	MATH 220	Linear Algebra
GEOG 140	GEOG 106	California Geography	MATH 900 S	MATH 150, MATH 160	Calculus and Analytic Geometry + Calculus and Analytic Geometry
GEOG 150	GEOG 201	Map Interpretation and GPS	MUS 100	MUS 101	Music Appreciation
GEOG 155	GEOG 205	Introduction to Geographic Information Systems	MUS 100	MUS 101H	Music Appreciation Honors
GEOG 160	GEOG 299	Special Topics-Field Geography	MUS 110	MUS 111	Fundamentals of Music
GEOL 100	GEOL 101	Physical Geology	MUS 125	MUS 153A	Musicianship I
GEOL 100	GEOL 101 H	Physical Geology Honors	MUS 130	MUS 151	Beginning Music Theory
GEOL 100 L	GEOL 101L	Physical Geology Lab	MUS 135	MUS 153	Beginning Musicianship
GEOL 110	GEOL 102	Historical Geology	MUS 135	MUS 153B	Musicianship II
GEOL 110 L	GEOL 102L	Historical Geology Laboratory	MUS 140	MUS 251A	Intermediate Music Theory
HIST 130	HIST 107	U.S. History, 1607-1877	MUS 145	MUS 253A	Intermediate Musicianship
HIST 140	HIST 108	U.S. History from 1865	MUS 150	MUS 251B	Advanced Music Theory
HIST 150	HIST 104	Introduction to World Civilizations, From Human Beginnings until 1500	MUS 155	MUS 253B	Advanced Musicianship
HIST 160	HIST 105	Introduction to World Civilizations, 1500-Present	MUS 160	MUS 291, MUS 292	Applied Music + Applied Music Performance
HIST 170	HIST 101	Western Civilization, From Human Beginnings Until 1750	MUS 170	MUS 255A	Beginning Keyboard Harmony
HIST 180	HIST 102	Western Civilization, 1750-Present	MUS 171	MUS 255B	Advanced Keyboard Harmony
ITIS 110	CA 107	Microcomputer Hardware and Software Support	MUS 180	MUS 167	Intermediate orchestra
ITIS 120	CA 221	Computer Concepts and Applications in Business	MUS 180	MUS 160	Symphonic Band
ITIS 150	CA 171	Introduction to Networking	MUS 180	MUS 166	Beginning Orchestra
ITIS 155	CA 159	SUSE Linux Server Administration	MUS 180	MUS 181	Master Chorale
ITIS 164	CA 183	Security Countermeasures	MUS 180	MUS 185	Concert Choir
JOUR 100	COMM 105	Introduction to Mass Communication	MUS 180	MUS 260	Concert Band
JOUR 110	JOUR 121	Beginning Journalism	MUS 180	MUS 266	Advanced Orchestra
KIN 100	KINT 100	Introduction to Kinesiology	MUS 180	MUSC 173	Beginning Jazz Ensemble
KIN 100	KINT 100	Introduction to Kinesiology	MUS 180	MUSC 273	Intermediate Jazz Ensemble
KIN 101	HE 100	First Aid and Emergency Care	MUS 180	MUSC 274	Advanced Jazz Ensemble
MATH 110	MATH 115H	Statistics Honors	MUS 185	MUS 169	Marching Percussion Ensemble
MATH 110	MATH 115	Statistics	MUS 185	MUSC 220C	Commercial Music Ensemble C
MATH 120	MATH 120	Math for Teachers	MUS 185	MUS 170	Beginning Flute Choir
MATH 130	MATH 124	Finite Math	MUS 185	MUS 171	Intermediate Flute Choir
MATH 140	MATH 148	Calculus for Business and Economics	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	SOCI 115	SOC 112	American Social Issues: Problems and Challenges
MUS 185	MUSC 124C	Jazz Improvisation C	SOCI 120	SOC 200	Research Methods for the Social Sciences
MUS 185	MUSC 175	Beginning Rock Band	SOCI 130	SOC 115	Marriage and Family Life
MUS 185	MUSC 222	Popular Vocal Performance	SOCI 140	SOC 116	Sociology of Gender and Sexuality
MUS 185	MUSC 220A	Commercial Music Ensemble A	SOCI 150	SOC 110	Ethnic Relations
MUS 185	MUSC 220B	Commercial Music Ensemble B	SOCI 160	AJ 206	Criminology
MUS 185	MUSC 175C	Rock Band C	SPAN 100	SPAN 101	Elementary Spanish
MUS 185	MUSC 175B	Rock Band B	SPAN 110	SPAN 102	Elementary Spanish 2
MUS 185	MUSC 175A	Rock Band A	SPAN 200	SPAN 201	Intermediate Spanish
NUTR 110	NF 100	Nutrition	SPAN 210	SPAN 202	Intermediate Spanish 2
NUTR 120	NF 103	Principles of Food Preparation	SPAN 220	SPAN 110SS	Spanish for Heritage Speakers I
PHIL 100	PHIL 106	Introduction to Philosophy	SPAN 230	SPAN 210SS	Spanish for Heritage Speakers II
PHIL 110	PHIL 110	Introduction to Logic	THTR 111	THA 101	Introduction to Theatre
PHIL 120	PHIL 105	Ethics: Moral Issues in Contemporary Society	THTR 112	THA 101	THEATRE APPRECIATION
PHYS 100 S	PHYS 101, PHYS 102	Introductory Physics + Introductory Physics	THTR 114	THA 225	Script Analysis
PHYS 105	PHYS 101	Introductory Physics	THTR 151	THA 110	FUNDAMENTALS OF ACTING
PHYS 110	PHYS 102	Introductory Physics	THTR 152	THA 125	Intermediate Acting Workshop
PHYS 205	PHYS 110	General Physics	THTR 171	THA 102	Introduction to Stagecraft
PHYS 210	PHYS 120	General Physics	THTR 173	THA 103	Introduction to Stage Lighting
PHYS 215	PHYS 211	General Physics	THTR 174	THA 104	Introduction to Stage Costume
POLS 110	POLS 101H	American Political Institutions Honors	THTR 175	THA 133	Makeup for the Stage
POLS 110	POLS 101	American Political Institutions	THTR 191	THA 118B	Rehearsal and Performance: Children's Theatre
POLS 120	POLS 200	Introduction to Political Theory	THTR 191	THA 115B	Rehearsal and Performance: Drama
POLS 130	POLS 103	Comparative Government	THTR 191	THA 116A	Rehearsal and Performance: Comedy
POLS 140	POLS 201	Contemporary International Relations	THTR 191	THA 116B	Rehearsal and Performance: Comedy
PSY 110	PSY 101	General Psychology	THTR 191	THA 120D	Rehearsal and Performance: Children's Theatre
PSY 110	PSY 101H	General Psychology Honors	THTR 191	THA 118A	Rehearsal and Performance: Children's Theatre
PSY 115	PSY 233	Personal and Social Adjustment	THTR 191	THA 117B	Rehearsal and Performance: Musical Theatre
PSY 120	PSY 234	Abnormal Psychology	THTR 191	THA 117A	Rehearsal and Performance: Musical Theatre
PSY 130	PSY 212	Human Sexuality	THTR 191	THA 120A	Rehearsal and Performance: Drama
PSY 150	PSY 201	Introduction to Physiological Psychology	THTR 191	THA 120B	Rehearsal and Performance: Comedy
PSY 170	PSY 230	Social Psychology	THTR 191	THA 120C	Rehearsal and Performance: Musical Theatre
PSY 180	PSY 236	Developmental Psychology	THTR 191	THA 115A	Rehearsal and Performance: Drama
PSY 200	PSY 200	Introduction to Research Methods in Psychology	THTR 192	THA 121A	Theatre Production
SOCI 110	SOC 101	Introduction to Sociology	THTR 192	THA 121B	Theatre Production
SOCI 110	SOC 101H	Introduction to Sociology - Honors	WELD 101 X	WELD 120	Basic Shielded Metal Arc Welding

Find Your Path



Arts, Language, & Humanities

Create • Communicate • Connect

Discover the full human experience through oral communication, writing, and creative expression. Fine-tune your problem-solving and critical-thinking skills while nourishing your artistic side. Explore enriching careers in video production, performing and studio arts, or language and communications.



Career Technical Education

Repair • Design • Innovate

Effective teamwork is essential in CTE programs, as students learn to collaborate with colleagues and communicate effectively to produce high-quality results in their work. Innovation and technology play a vital role in fields such as aircraft design and fabrication, electronics, advanced manufacturing, welding, and more.



Business, Economics, Computer Applications

Build • Lead • Invent

Learn customer relations and partnership building while developing your business management knowledge. Master the expertise needed to grow your own business, or the high-demand skills employers need. Career paths include accounting, event planning, hotel or restaurant management, computer network administration and security, or real estate.



Health, Public Safety & Wellness

Serve • Care • Protect

Support physical and mental health to help people and communities thrive. Learn how to work effectively in a team that saves lives during emergency situations. Get employed in athletics, emergency medicine, law enforcement, medical administration, or firefighting.



Social Behavioral Sciences

Learn • Share • Enlighten

Explore human relationships, communities, and global connections while sharing your knowledge with others. Spark discussions about the inner workings of society and culture, and help create positive change. Open doors to jobs in law enforcement, social work, community development, cultural research, or general and early childhood education.



Science, Technology, Engineering, & Math

Explore • Discover • Analyze

Understand the physical world by using the scientific methods of observation, experimentation, and analysis. Deepen your knowledge of the natural world, and gain hands-on experience with advanced scientific tools. Ideal for careers in computer science, engineering, medicine, or GIS mapping.

Accounting

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.

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, 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

Professional Bookkeeping AS (Total 32 - 33)

Complete all of the following

Required Courses (Total 29 - 30)

Complete the following number of credits: 29-30

Core Courses (Total 26)

Complete all of the following

ACCT111 - Bookkeeping 3

ACCT113 - Bookkeeping II 3

ACCT115 - Payroll Bookkeeping 2

ACCT121 - Computerized Accounting 3

ACCT131 - Introduction to Income Tax 3

BUS113 - Business Communications 3

BUS121 - Fundamentals of Investment and Personal Finance 3

CA103 - Introduction to Computer and Digital Technology 3

CA121 - Microcomputer Spreadsheets 3

Math Course (Total 3 - 7)

Complete at least one of the following rules

BUS105 - Business Mathematics 3

MATH124 - Finite Math 4

Program Electives (Total 3)

Complete the following number of credits: 3

ACCT199 - Occupational Work Experience 1 - 8

BUS101 - Introduction to Business 3

BUS201 - Business Law 3

CA131 - Relational Database Management & Design 3

MGT115 - Human Behavior in Organization 3

OT101 - Beginning Computer Keyboarding 3

CA111 - Word Processing-Microsoft Word 3

Recommended Pathway

Professional Bookkeeping AS Full Time

Fall, First Semester

Core Courses ACCT111 - Bookkeeping	Credits 3.0
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Core Courses CA103 - Introduction to Computer and Digital Technology	3.0
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Math Course BUS105 - Business Mathematics	3.0
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E. Lifelong Learning and Self-Development HD101 - College and Life Management	3.0
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D1 - Language & Rationality - Communication and Analytical Thinking ENGL101 - Academic Composition	3.0
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Total Credits	15.0
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Spring, Second Semester

Core Courses ACCT113 - Bookkeeping II	Credits 3.0
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Core Courses ACCT115 - Payroll Bookkeeping	2.0
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Core Courses BUS113 - Business Communications	3.0
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Core Courses CA121 - Microcomputer Spreadsheets	3.0
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Total Credits	11.0
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Summer Term	Credits
Area B - Social & Behavioral Sciences	
POLS101 - Amer Political Institutions	3.0
D2 - Language & Rationality - Communication and Analytical Thinking	
COMM101 - Intro to Public Speaking	3.0
Total Credits	6.0

Fall, Third Semester	Credits
Core Courses ACCT121 - Computerized Accounting	3.0
Core Courses ACCT131 - Introduction to Income Tax	3.0
Area A - Natural Sciences BIOL104 - Environmental Biology	3.0
Area F - Diversity Studies BUS212 - Women in Organizations	3.0
Program Electives Take one of the following:	
ACCT199 - Occupational Work Experience	1.0 - 8.0
BUS101 - Introduction to Business	3.0
Total Credits	13.0 - 20.0

Spring, Fourth Semester	Credits
Core Courses BUS121 - Fundamentals of Investment and Personal Finance	3.0
Area C - Humanities MUSC102 - History of Jazz	3.0
Program Electives MGT115 - Human Behavior in Organization	3.0
Program Electives Take one of the following:	
ACCT199 - Occupational Work Experience	1.0 - 8.0
BUS201 - Business Law	3.0
CA131 - Relational Database Management and Design	3.0
Total Credits	10.0 - 17.0

Program Outcomes

AS Professional Bookkeeping

Understand and apply ethics in a bookkeeping environment.

Analyze, compute and record bookkeeping transactions in the form of journal entries.

Prepare and analyze basic financial statements, financial ratios and tax forms.

Demonstrate communication, presentation, math and computer skills needed to function effectively as a team member in a diverse business environment.

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. 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 (Total 29 - 30)

Complete the following number of credits: 29-30

Core Courses (Total 26)

Complete all of the following

ACCT111 - Bookkeeping 3

ACCT113 - Bookkeeping II 3

ACCT115 - Payroll Bookkeeping 2

ACCT121 - Computerized Accounting 3

ACCT131 - Introduction to Income Tax 3

BUS113 - Business Communications 3

BUS121 - Fundamentals of Investment and Personal Finance 3

CA103 - Introduction to Computer and Digital Technology 3

CA121 - Microcomputer Spreadsheets 3

Math Requirement (Total 3 - 7)

Complete at least one of the following rules

BUS105 - Business Mathematics 3

MATH124 - Finite Math 4

Program Electives (Total 3)

Complete the following number of credits: 3

ACCT199 - Occupational Work Experience 1 - 8

BUS101 - Introduction to Business 3

BUS201 - Business Law 3

CA131 - Relational Database Management & Design 3

MGT115 - Human Behavior in Organization 3

OT101 - Beginning Computer Keyboarding 3

CA111 - Word Processing-Microsoft Word 3

Recommended Pathway

Fall, First Semester	Credits
Core Courses ACCT111 - Bookkeeping	3.0
Core Courses ACCT131 - Introduction to Income Tax	3.0
Core Courses CA103 - Introduction to Computer and Digital Technology	3.0
Core Courses CA121 - Microcomputer Spreadsheets	3.0
Math Requirement Take one of the following:	
BUS105 - Business Mathematics	3.0

MATH124 - Finite Math	4.0
Total Credits	15.0 - 16.0
Spring, Second Semester	Credits
Core Courses ACCT113 - Bookkeeping II	3.0
Core Courses ACCT115 - Payroll Bookkeeping	2.0
Core Courses ACCT121 - Computerized Accounting	3.0
Core Courses BUS113 - Business Communications	3.0
Core Courses BUS121 - Fundamentals of Investment and Personal Finance	3.0
Program Electives Take one of the following:	
ACCT199 - Occupational Work Experience	1.0 - 8.0
BUS101 - Introduction to Business	3.0
BUS201 - Business Law	3.0
CA131 - Relational Database Management and Design	3.0
MGT115 - Human Behavior in Organization	3.0
OT101 - Beginning Computer Keyboarding	3.0
CA111 - Word Processing-Microsoft Word	3.0
Total Credits	15.0 - 22.0

Program Outcomes

Professional Bookkeeping Cert

Understand and apply ethics in a bookkeeping environment.

Analyze, compute and record bookkeeping transactions in the form of journal entries.

Prepare and analyze basic financial statements, financial ratios and tax forms.

Demonstrate communication, presentation, math and computer skills needed to function effectively as a team member in a diverse business environment.

Bookkeeping

ACCT111:

3.0 Units

Students will learn introductory theory and application of the double-entry accounting cycle for service and merchandising sole-proprietorships, payroll, and banking procedures. For many students, completing ACCT 111 will help their transition into ACCT 201. (AVC)

Bookkeeping II

ACCT113:

3.0 Units

Prerequisite: Completion of ACCT 111 or ACCT 201. In this continuation course in bookkeeping, students will learn specifics on receivables and payables, inventory, plus fixed and intangible assets. Accounting for partnerships and corporations will also be studied along with the statement of cash flows, analysis of financial statements, and segmented and manufacturing accounting. NOTE: This course is mainly intended for those seeking to earn the Professional Bookkeeping certificate and it should not be used by business or economics majors transferring to a four-year institution. Please refer to ACCT 201 course description. (CSU, AVC)

Payroll Bookkeeping

ACCT115:

2.0 Units

Advisory: 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)

Computerized Accounting

ACCT121:

3.0 Units

Advisory: Basic Keyboarding Skills 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 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)

Introduction to Income Tax

ACCT131:

3.0 Units

Principles of Federal and California taxation relating to individual income taxes with emphasis on preparation of personal tax returns. (CSU, AVC)

Occupational Work Experience

ACCT199:

8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Financial Accounting

ACCT201:

4.0 Units

Advisory: Completion of ENGL 101 and Eligibility for MATH 115, 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) (CSU, UC, AVC)

Managerial Accounting

ACCT205:

4.0 Units

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) (CSU, UC, AVC)

Administration of Justice

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.

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)

Complete the following number of credits: 12

AJ101 - Introduction to Administration of Justice 3

AJ102 - Criminal Law 3

AJ103 - Criminal Evidence 3

AJ205 - Criminal Investigation 3

Program Electives (Total 6)

Complete the following number of credits: 6

AJ104 - Introduction to Corrections 3

AJ109 - Crime Analysis 3

AJ110 - Terrorism Investigation 3

AJ199 - Occupational Work Experience 1 - 8

AJ201 - Police in Society 3

AJ203 - Narcotics Control 3

AJ204 - Juvenile Procedures 3

AJ206 - Criminology 3

AJ207 - Probation and Parole 3

AJ208 - Introduction to Forensic Science 3

Recommended Pathway

Admin of Justice

Term 1

Credits

Required Courses AJ101 - Introduction to Administration of Justice 3.0

Area E -Additional Breadth HD101 - College and Life Management 3.0

Area D1 - Language & Rationality - Academic Composition ENGL101 - Academic Composition 3.0

Elective Take one of the following:

AJ104 - Introduction to Corrections 3.0

AJ109 - Crime Analysis 3.0

AJ110 - Terrorism Investigation 3.0

AJ201 - Police in Society 3.0

AJ203 - Narcotics Control 3.0

AJ204 - Juvenile Procedures 3.0

AJ206 - Criminology 3.0

AJ207 - Probation and Parole 3.0

AJ208 - Intro to Forensic Science 3.0

Elective Take one of the following:

AJ104 - Introduction to Corrections 3.0

AJ109 - Crime Analysis 3.0

AJ110 - Terrorism Investigation 3.0

AJ201 - Police in Society 3.0

AJ203 - Narcotics Control 3.0

AJ204 - Juvenile Procedures 3.0

AJ206 - Criminology 3.0

AJ207 - Probation and Parole 3.0

AJ208 - Intro to Forensic Science 3.0

Total Credits 15.0

Term 2

Credits

Required Courses AJ102 - Criminal Law 3.0

Program Electives AJ206 - Criminology 3.0

Area D2 - Language & Rationality -

Academic Composition COMM101 - Intro to Public Speaking 3.0

Elective Take one of the following:

Elective Take one of the following:

AJ104 - Introduction to Corrections 3.0

AJ109 - Crime Analysis 3.0

AJ110 - Terrorism Investigation 3.0

AJ201 - Police in Society 3.0

AJ203 - Narcotics Control 3.0

AJ204 - Juvenile Procedures 3.0

AJ206 - Criminology 3.0

AJ207 - Probation and Parole 3.0

AJ208 - Intro to Forensic Science 3.0

Elective Take one of the following:

AJ104 - Introduction to Corrections 3.0

AJ109 - Crime Analysis 3.0

AJ110 - Terrorism Investigation 3.0

AJ201 - Police in Society 3.0

AJ203 - Narcotics Control 3.0

AJ204 - Juvenile Procedures	3.0
AJ206 - Criminology	3.0
AJ207 - Probation and Parole	3.0
AJ208 - Intro to Forensic Science	3.0
Total Credits	15.0

Term 3 Credits

Required Courses AJ103 - Criminal Evidence	3.0
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Area B - Social & Behavioral Sciences	
POLS101 - Amer Political Institutions	3.0

Area F - Diversity Studies ANTH102 - Introduction to Cultural Anthropology	3.0
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Elective Take one of the following:

AJ104 - Introduction to Corrections	3.0
AJ109 - Crime Analysis	3.0
AJ110 - Terrorism Investigation	3.0
AJ201 - Police in Society	3.0
AJ203 - Narcotics Control	3.0
AJ204 - Juvenile Procedures	3.0
AJ206 - Criminology	3.0
AJ207 - Probation and Parole	3.0
AJ208 - Intro to Forensic Science	3.0

Elective Take one of the following:

AJ104 - Introduction to Corrections	3.0
AJ109 - Crime Analysis	3.0
AJ110 - Terrorism Investigation	3.0
AJ201 - Police in Society	3.0
AJ203 - Narcotics Control	3.0
AJ204 - Juvenile Procedures	3.0
AJ206 - Criminology	3.0
AJ207 - Probation and Parole	3.0
AJ208 - Intro to Forensic Science	3.0

Total Credits	15.0
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Term 4 Credits

Required Courses AJ205 - Criminal Investigation	3.0
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Program Electives AJ207 - Probation and Parole	3.0
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Area A - Natural Sciences GEOL101 - Physical Geology	3.0
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Area C - Humanities PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
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Elective Take one of the following:

AJ104 - Introduction to Corrections	3.0
AJ109 - Crime Analysis	3.0
AJ110 - Terrorism Investigation	3.0
AJ201 - Police in Society	3.0

AJ203 - Narcotics Control	3.0
AJ204 - Juvenile Procedures	3.0
AJ206 - Criminology	3.0
AJ207 - Probation and Parole	3.0
AJ208 - Intro to Forensic Science	3.0

Total Credits	15.0
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Program Outcomes

AA Administration of Justice

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.

Analyze and evaluate crime scenes, identify unique criminal components, then properly collect, preserve, and document evidence.

Identify and apply the individual components of the criminal justice system to a newly arrested offender.

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: (1)

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

Program Requirements

Administration of Justice AS-T (Total 18)

Complete all of the following

Required Courses (Total 6)

Complete the following number of credits: 6

AJ101 - Introduction to Administration of Justice 3

AJ102 - Criminal Law 3

Required electives A (Total 6)

Complete the following number of credits: 6

AJ103 - Criminal Evidence 3

AJ104 - Introduction to Corrections 3

AJ201 - Police in Society 3

AJ204 - Juvenile Procedures 3

AJ205 - Criminal Investigation 3

AJ208 - Introduction to Forensic Science 3

Required Electives B (Total 6)

Complete the following number of credits: 6

OR Any LIST A course not already used. 0

AJ109 - Crime Analysis 3

AJ110 - Terrorism Investigation 3

AJ203 - Narcotics Control 3

AJ206 - Criminology 3

AJ207 - Probation and Parole 3

Recommended Pathway

Term 1 Credits

Required Courses AJ101 - Introduction to Administration of Justice 3.0

Required Electives B Take one of the following:

OR Any LIST A course not already used. 0.0

AJ109 - Crime Analysis 3.0

AJ110 - Terrorism Investigation 3.0

AJ203 - Narcotics Control 3.0

AJ206 - Criminology 3.0

AJ207 - Probation and Parole 3.0

A-2 Written Communication ENGL101 - College Composition 3.0

E. Lifelong Learning and Self-Development Any CSU GE Area E 3.0

C-1 Arts (Art, Dance, Music, Theatre) Any CSU GE Area C-1 3.0

Total Credits 12.0 - 15.0

Term 2 Credits

Required Courses AJ102 - Criminal Law 3.0

Required Electives B Take one of the following:

OR Any LIST A course not already used. 0.0

AJ109 - Crime Analysis 3.0

AJ110 - Terrorism Investigation 3.0

AJ203 - Narcotics Control 3.0

AJ206 - Criminology 3.0

AJ207 - Probation and Parole 3.0

A-1 Oral Communication COMM101 - Introduction to Public Speaking 3.0

C-2 Humanities (Literature, Philosophy, Foreign Languages) Any CSU GE Area C-2 3.0

B-4 Mathematics/Quantitative Reasoning MATH110 - Mathematics for Liberal Arts Students 3.0

Total Credits 12.0 - 15.0

Term 3 Credits

Required electives A AJ103 - Criminal Evidence 3.0

D. Social Sciences POLS101 - American Political Institutions 3.0

A-3 Critical Thinking Take one of the following:

COMM110 - Persuasion 3.0

COMM115 - Introduction to Argumentation and Debate 3.0

ENGL102 - Critical Thinking and Literature 3.0

ENGL103 - Critical Thinking and Research 3.0

PHIL101 - Fundamental Reasoning Skills 3.0

PHIL106 - Introduction to Philosophy 3.0

PHIL110 - Introduction to Logic 3.0

PHIL201 - Critical Thinking 3.0

Any CSU GE Area A-3 3.0

B-2 Life Science ANTH101 - Introduction to Biological Anthropology 3.0

B-3 Laboratory Activity ANTH101L - Biological Anthropology Lab 1.0

Total Credits 13.0

Term 4 Credits

Required electives A AJ205 - Criminal Investigation 3.0

D. Social Sciences SOC120 - Drugs, Society and Human Behavior 3.0

B-1 Physical Science GEOG101 - Physical Geography: Earth's Surface Landscapes 3.0

F. Ethnic Studies Ethnic Studies Course 3.0

C-2 Humanities (Literature, Philosophy, Foreign Languages) SPAN101 - Elementary Spanish 1 5.0

Total Credits 17.0

Program Outcomes

AS-T Administration of Justice

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.

Analyze and evaluate crime scenes, identify unique criminal components, then properly collect, preserve, and document evidence.

Identify and apply the individual components of the criminal justice system to a newly arrested offender.

Introduction to Administration of Justice

AJ101:

3.0 Units

This course introduces students to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations of crime, responses to crime, components of the system, and current challenges to the system. The course examines the evolution of the principles and approaches utilized by the justice system and the evolving forces which have shaped those 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)

Criminal Law

AJ102:

3.0 Units

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) (CSU, UC, AVC)

Criminal Evidence

AJ103:

3.0 Units

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)

Introduction to Corrections

AJ104:

3.0 Units

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)

Crime Analysis

AJ109:

3.0 Units

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)

Terrorism Investigation

AJ110:

3.0 Units

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)

Occupational Work Experience

AJ199:

1.0 - 4.0 Units

Prerequisite: To participate in work experience, students must have a job or internship which is either paid or voluntary and have the approval of the supervisor and instructor supervising work experience in the specific subject area. PRIOR TO ENROLLING, students must attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation. Occupational Work Experience Education is supervised employment designed to provide students 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. Occupational 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 one to eight units per semester and up to a total of sixteen semester credit hours. (CSU, AVC) (R3)

Police in Society

AJ201:

3.0 Units

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) (GE: AVC Area B)

Narcotics Control

AJ203:

3.0 Units

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)

Juvenile Procedures

AJ204:

3.0 Units

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)(GE: AVC Area B)

Criminal Investigation

AJ205:

3.0 Units

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)

Criminology

AJ206:

3.0 Units

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) (GE: IGETC Area 4, CSU Area D, AVC Area B)

Probation and Parole

AJ207:

3.0 Units

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)

Introduction to Forensic Science

AJ208:

3.0 Units

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)

Advanced Manufacturing

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.

Computer Aided Drafting and Manufacturing

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 18)

Complete the following number of credits: 18

Required Courses (Total 12)

Complete all of the following

AM100 - Geometric Dimensioning and Tolerancing (GD&T) 3

AM105 - Introduction to 2D CAD 3

AM145 - Introduction to CAM I 3

AM245 - Introduction to CAM II 3

Choose one (Total 3)

Complete the following number of credits: 3

AM135A - 3D Solid Modeling I using CATIA/3DExperience 3

AM135B - 3D Solid Modeling I using Solidworks 3

Choose one (Total 3)

Complete the following number of credits: 3

AM235A - 3D Solid Modeling II using

CATIA/3DExperience 3

AM235B - 3D Solid Modeling II using Solidworks 3

Computer Aided Drafting in CATIA/3DExperience

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 the following number of credits: 6

AM135A - 3D Solid Modeling I using

CATIA/3DExperience 3

AM235A - 3D Solid Modeling II using

CATIA/3DExperience 3

Computer Aided Drafting in Solidworks

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 credits: 6

AM135B - 3D Solid Modeling I using Solidworks 3

AM235B - 3D Solid Modeling II using Solidworks 3

Computer Aided Manufacturing

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 the following number of credits: 6

AM145 - Introduction to CAM I 3

AM245 - Introduction to CAM II 3

Geometric Dimensioning and Tolerancing (GD&T)

AM100:

3.0 Units

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)

Introduction to 2D CAD

AM105:

3.0 Units

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)

3D Solid Modeling I using CATIA/3DExperience

AM135A:

3.0 Units

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)

3D Solid Modeling I using Solidworks

AM135B:

3.0 Units

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)

Introduction to CAM I

AM145:

3.0 Units

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)

3D Solid Modeling II using CATIA/3DExperience

AM235A:

3.0 Units

Prerequisite: Completion of AM 135A , Advisory: Intermediate computer skills are recommended. 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)

3D Solid Modeling II using Solidworks

AM235B:

3.0 Units

Prerequisite: Completion of AM 135B or Completion of ENGR 140 Advisory: Intermediate computer skills are recommended. 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)

Introduction to CAM II

AM245:

3.0 Units

Prerequisite: Completion of AM 145 Advisory: Prior knowledge of 3D CAD as well as intermediate computer skills are recommended. 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)

Aeronautical and Aviation Technology

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.

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.

Program Requirements

Aircraft Airframe Cert (Total 30)

Complete the following number of credits: 30

AERO230 - Aircraft Airframe I 15

AERO231 - Aircraft Airframe II 15

Recommended Pathway

Aircraft Airframe Cert

Term 1	Credits
Aircraft Airframe Cert AERO230 - Aircraft Airframe I	15.0
Total Credits	15.0
Term 2	Credits
Aircraft Airframe Cert AERO231 - Aircraft Airframe II	15.0
Total Credits	15.0

Program Outcomes

Aircraft Airframe Cert

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.

Analyze, evaluate, troubleshoot, and repair structural, propulsion, electrical, and guidance systems to meet air worthy standards.

Evaluate and apply Federal Aviation Regulations, technical maintenance data, and acceptable industry standards pertinent to proper maintenance and safety standards.

Aircraft Airframe AS

The requirements for an associate degree in Aircraft Airframe Maintenance may be satisfied by completing 30 units of required courses, 21 units of general education requirements, and sufficient electives 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

A&A Aircraft Airframe AS (Total 30)

Complete the following number of credits: 30

AERO230 - Aircraft Airframe I 15

AERO231 - Aircraft Airframe II 15

Recommended Pathway

Aircraft Airframe AS

Term 1	Credits
A&A Aircraft Airframe AS AERO230 - Aircraft Airframe I	15.0
Total Credits	15.0
Term 2	Credits
A&A Aircraft Airframe AS AERO231 - Aircraft Airframe II	15.0
Total Credits	15.0

Term 3	Credits	DA101 - Dance Appreciation	3.0
Area A -Natural Sciences Take one of the following:		DFST101 - American Sign Language I	4.0
CHEM101 - Introductory Chemistry	5.0	DFST102 - American Sign Language II	4.0
PHYS102 - Introductory Physics	4.0	DFST105 - Intro to American Deaf Culture	3.0
Area B - Social & Behavioral Sciences		DFST106 - Intro to Deaf Education	3.0
Take one of the following:		DFST201 - Amer Sign Language III	4.0
ECON100 - Survey of Economics	3.0	DFST202 - Amer Sign Language IV	4.0
PSY102 - Introduction to Alcohol and Other Drug Studies	3.0	ENGL102 - Critical Thinking & Literature	3.0
Total Credits	7.0 - 8.0	ENGL111 - Creative Writing: Fiction	3.0
Term 4	Credits	ENGL112 - Creative Writing: Poetry	3.0
Area C - Humanities Take one of the following:		ENGL221 - American Literature 1400-1865	3.0
ART100 - Art Appreciation	3.0	ENGL222 - American Literature, 1865-Present	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0	ENGL225 - English Literature, 800-1750	3.0
ART102 - History of Art, Renaissance to Modern	3.0	ENGL227 - English Literature, 1750-Present	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0	ENGL230 - World Literature 1	3.0
ART104 - Hist of Art in 20th Century	3.0	ENGL231 - World Literature 2	3.0
ART106 - History of Art: Asia	3.0	ENGL235 - Shakespeare and Culture	3.0
ART110 - Drawing	3.0	ENGL242 - Narrative and Culture	3.0
ART113 - Painting I	3.0	ENGL253 - African American Literature	3.0
ART120 - Introduction to Printmaking	3.0	ENGL256 - Latinx Literature	3.0
ART132 - Introduction to Ceramics: Hand-Building	3.0	ENGL257 - Native-Amer Literature	3.0
ART135 - Beginning Wheel-Thrown Ceramics	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
ART136 - Int Wheel-Thrown Ceramics	3.0	ENGL265 - Film: Text and Context	3.0
ART137 - Advanced Wheel-Thrown Ceramics	3.0	ENGL279 - Science Fiction and Dystopian Literature	3.0
ART140 - Watercolor	3.0	FREN101 - Elementary French 1	5.0
ART145 - 2-D Design Basics	3.0	FREN102 - Elementary French 2	5.0
ART150 - 3-D Design Basics	3.0	FREN201 - Intermediate French 1	5.0
ART210 - Drawing III	3.0	FREN202 - Intermediate French 2	5.0
ART213 - Painting III	3.0	FREN203 - Advanced French	3.0
CHIN101 - Elementary Chinese I	5.0	FTV101 - Introduction to Film	3.0
CHIN102 - Elementary Chinese 2	5.0	FTV103 - Introduction to Television	3.0
CHIN201 - Intermediate Chinese	5.0	FTV107 - History of Film, Pre 1950	3.0
CHIN202 - Intermediate Chinese	5.0	FTV108 - History of Film, 1950-Present	3.0
COMM112 - Oral Interpretation	3.0	FTV201 - Intercultural & Women's Film	3.0
COMM114 - Art of Storytelling	3.0	FTV203 - African-American Cinema	3.0
		FTV251 - Cont American Indep Film	4.0
		FTV261 - Religion and Cinema	4.0
		GER101 - Elementary German 1	5.0

GER102 - Elementary German 2	5.0	SPAN210SS - Span for Heritage Speakers II	5.0
GER201 - Intermediate German 1	4.0	SPAN220SS - Composition and Conversation	5.0
GER202 - Intermediate German 2	4.0	THA101 - Introduction to Theatre	3.0
HIST115 - Cultural History of Mexico	3.0	THA102 - Introduction to Stagecraft	3.0
LATN101 - Elementary Latin 1	5.0	THA103 - Introduction to Stage Lighting	3.0
LATN102 - Elementary Latin 2	5.0	THA110 - Fundamentals of Acting	3.0
LATN201 - Intermediate Latin	5.0	THA115A - Rehearsal and Performance: Drama	1.0
MUS101 - Music Appreciation	3.0	THA116A - Rehearsal and Performance: Comedy	1.0
MUS105 - World Music	3.0	THA117A - Rehearsal and Performance: Musical Theatre	1.0
MUS111 - Fundamentals of Music (Music Theory I)	3.0	THA118A - Rehearsal and Performance: Children's Theatre	1.0
MUS131 - Piano I	2.0	THA121A - Theatre Production	1.0
MUS132 - Piano II	2.0	THA130 - Improvisation	3.0
MUS151 - Music Theory II	3.0	THA133 - Makeup for the Stage	3.0
MUS153B - Musicianship II	2.0	THA225 - Script Analysis	3.0
MUS185 - Concert Choir	1.0	THA239 - Intercultural and Women's Theatre	3.0
MUS231 - Piano III	2.0	D1 - Language & Rationality - Communication and Analytical Thinking	3.0
MUS251A - Music Theory III	3.0	ENGL101 - Academic Composition	
MUS251B - Music Theory IV	3.0	D2 - Language & Rationality - Communication and Analytical Thinking	
MUS253A - Musicianship III	2.0	Take one of the following:	
MUS253B - Musicianship IV	2.0	BUS113 - Business Communications	3.0
MUSC102 - History of Jazz	3.0	CIS101 - Intro Computer Info Science	3.0
MUSC103 - History of Rock 'n Roll	3.0	CA103 - Intro to Computers & Dig Tech	3.0
MUSC107 - History of Women in Rock Music	3.0	CIS111 - Intro Programming & Algorithms	3.0
PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0	CIS161 - Introduction to C Programming	3.0
PHIL106 - Intro to Philosophy	3.0	COMM101 - Intro to Public Speaking	3.0
PHIL108 - Philosophy of Religion	3.0	COMM107 - Introduction to Interpersonal Communication	3.0
PHIL109 - World Religions	3.0	COMM109 - Small Group Communication	3.0
PHOT107 - History of Photography	3.0	COMM112 - Oral Interpretation	3.0
PHTC101 - Beginning Black and White Photography	3.0	COMM114 - Art of Storytelling	3.0
PHTC150 - Beginning Color Photography	3.0	COMM115 - Introduction to Argumentation and Debate	3.0
PHTC201 - Advanced Black and White Photography	3.0	COMM217 - Gender and Communication	3.0
SPAN101 - Elementary Spanish 1	5.0	COMM219 - Introduction to Intercultural Communication	3.0
SPAN102 - Elementary Spanish 2	5.0	ENGL102 - Critical Thinking & Literature	3.0
SPAN110SS - Span for Heritage Speakers I	5.0	ENGL103 - Critical Thinking and Research	3.0
SPAN201 - Intermediate Spanish 1	5.0		
SPAN202 - Intermediate Spanish 2	5.0		

GEOG201 - Map Interpretation and GPS	4.0	FTV201 - Intercultural & Women's Film	3.0
GEOG205 - Intro Geographic Info Systems	3.0	FTV203 - African-American Cinema	3.0
MATH102 - Intermediate Algebra	4.0	HE201 - Women's Health Issues	3.0
MATH110 - Mathematics for Liberal Arts Students	3.0	HIST110 - African-American History, 1450-1877	3.0
MATH115 - Statistics	4.0	HIST111 - African-American History, 1877-Present	3.0
MATH116 - Intro to Statistics Using R	4.0	HIST113 - Women in American History	3.0
MATH120 - Math for Teachers	3.0	MUSC107 - History of Women in Rock Music	3.0
MATH124 - Finite Math	4.0	POLS202 - Ethnic Politics in America	3.0
MATH128 - College Algebra for Liberal Arts	3.0	SOC105 - Mexican Amer Contemp Society	3.0
MATH135 - Plane Trigonometry	3.0	SOC110 - Ethnic Relations	3.0
MATH140 - Precalculus	5.0	SOC116 - Sociology of Gender&Sexuality	3.0
MATH148 - Calculus for Business and Economics	4.0	THA239 - Intercultural and Women's Theatre	3.0
MATH150 - Calculus and Analytic Geometry	5.0	Total Credits	10.0 - 16.0
MATH160 - Calculus and Analytic Geometry	4.0	Term 5	Credits
MATH220 - Linear Algebra	4.0	A-3 Critical Thinking Take one of the following:	
MATH230 - Introduction to Ordinary Differential Equations	4.0	COMM115 - Introduction to Argumentation and Debate	3.0
MATH250 - Calculus and Analytic Geometry	4.0	ENGL102 - Critical Thinking & Literature	3.0
PHIL101 - Fundamental Reasoning Skills	3.0	ENGL103 - Critical Thinking and Research	3.0
PHIL106 - Intro to Philosophy	3.0	PHIL101 - Fundamental Reasoning Skills	3.0
PHIL110 - Introduction to Logic	3.0	PHIL106 - Intro to Philosophy	3.0
PHIL201 - Critical Thinking	3.0	PHIL110 - Introduction to Logic	3.0
Area F -Diversity Studies Take one of the following:		PHIL201 - Critical Thinking	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	B-1 Physical Sciences Take one of the following:	
ANTH112 - Native North Americans	3.0	ASTR101 - Astronomy	3.0
BUS212 - Women in Organizations	3.0	CHEM101 - Introductory Chemistry	5.0
CFE116 - Diversity Early Childhood Ed	3.0	CHEM102 - Intro Chem (Organic & Biochem)	4.0
COMM114 - Art of Storytelling	3.0	CHEM110 - General Chemistry	5.0
COMM217 - Gender and Communication	3.0	CHEM120 - General Chemistry	5.0
COMM219 - Introduction to Intercultural Communication	3.0	CHEM210 - Organic Chemistry	4.0
DFST105 - Intro to American Deaf Culture	3.0	CHEM220 - Organic Chemistry	4.0
DFST106 - Intro to Deaf Education	3.0	ERSC101 - Introduction to Earth Science	4.0
ECON110 - Econ of the Underclass	3.0	GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
ENGL253 - African American Literature	3.0	GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
ENGL256 - Latinx Literature	3.0	GEOL101 - Physical Geology	3.0
ENGL257 - Native-Amer Literature	3.0	GEOL102 - Historical Geology	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0	PHYS101 - Introductory Physics	4.0

PHYS102 - Introductory Physics	4.0
PHYS110 - General Physics	4.0
PHYS120 - General Physics	4.0
PHYS211 - General Physics	5.0
PSCI101 - Physical Science	4.0

B-4 Mathematics/Quantitative Reasoning
Take one of the following:

CIS121 - Computer Mathematics	3.0
MATH115 - Statistics	4.0
MATH116 - Intro to Statistics Using R	4.0
MATH128 - College Algebra for Liberal Arts	3.0
MATH135 - Plane Trigonometry	3.0
MATH140 - Precalculus	5.0
MATH148 - Calculus for Business and Economics	4.0
MATH150 - Calculus and Analytic Geometry	5.0
MATH160 - Calculus and Analytic Geometry	4.0
MATH220 - Linear Algebra	4.0
MATH230 - Introduction to Ordinary Differential Equations	4.0
MATH250 - Calculus and Analytic Geometry	4.0
MATH110 - Mathematics for Liberal Arts Students	3.0
Total Credits	9.0 - 13.0

Program Outcomes

AS A&A Aircraft Airframe

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.

Analyze, evaluate, troubleshoot, and repair structural, propulsion, electrical, and guidance systems to meet air worthy standards.

Evaluate and apply Federal Aviation Regulations, technical maintenance data, and acceptable industry standards pertinent to proper maintenance and safety standards.

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.

Program Requirements

Aircraft Powerplant Cert (Total 30)

Complete all of the following

- AERO240 - Aircraft Powerplant I 15
- AERO241 - Aircraft Powerplant II 15

Recommended Pathway

Term 1	Credits
Aircraft Powerplant Cert AERO240 - Aircraft Powerplant I	15.0
Total Credits	15.0
Term 2	Credits
Aircraft Powerplant Cert AERO241 - Aircraft Powerplant II	15.0
Total Credits	15.0

Program Outcomes

Aircraft Powerplant Cert

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.

Analyze, evaluate, troubleshoot, and repair structural, propulsion, electrical, and guidance systems to meet air worthy standards.

Evaluate and apply Federal Aviation Regulations, technical maintenance data, and acceptable industry standards pertinent to proper maintenance and safety standards.

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

A&A Aircraft Powerplant AS (Total 30)

Complete the following number of credits: 30

AERO240 - Aircraft Powerplant I 15

AERO241 - Aircraft Powerplant II 15

Recommended Pathway

Term 1	Credits
A&A Aircraft Powerplant AS AERO240 - Aircraft Powerplant I	15.0
Total Credits	15.0
Term 2	Credits
A&A Aircraft Powerplant AS AERO241 - Aircraft Powerplant II	15.0
Total Credits	15.0
Term 3	Credits
Area A - Natural Sciences Take one of the following	
ANTH101 - Introduction to Biological Anthropology	3.0
ANTH101L - Biological Anthropology Lab	1.0
ASTR101 - Astronomy	3.0
ASTR101L - Astronomy Laboratory	1.0
BIOL100 - Elementary Human Anatomy and Physiology	3.0
BIOL101 - General Biology	3.0
BIOL101L - General Biology Lab	1.0
BIOL102 - Human Biology	4.0
BIOL103 - Introduction to Botany	4.0
BIOL104 - Environmental Biology	3.0
BIOL110 - General Molecular Cell Biology	5.0

BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
BIOL201 - General Human Anatomy	4.0
BIOL202 - General Human Physiology	4.0
BIOL204 - General Microbiology	5.0
BIOL205 - Introduction to Biotechnology	3.0
CHEM101 - Introductory Chemistry	5.0
CHEM102 - Intro Chem (Organic & Biochem)	4.0
CHEM110 - General Chemistry	5.0
ELTE101 - Survey of Electronics	4.0
ERSC101 - Introduction to Earth Science	4.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
GEOG102L - Phy Geog Lab: Earth's Wea&Cli	1.0
GEOL101 - Physical Geology	3.0
GEOL101L - Physical Geology Lab	1.0
GEOL102 - Historical Geology	3.0
GEOL102L - Historical Geology Laboratory	1.0
PHYS101 - Introductory Physics	4.0
PHYS102 - Introductory Physics	4.0
PHYS110 - General Physics	4.0
PHYS120 - General Physics	4.0
PHYS211 - General Physics	5.0
PSCI101 - Physical Science	4.0
Area B - Social & Behavioral Sciences	
Take one of the following:	
AJ201 - Police in Society	3.0
AJ204 - Juvenile Procedures	3.0
AJ206 - Criminology	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH103 - Archaeology and World Prehistory	3.0
ANTH112 - Native North Americans	3.0
ANTH140 - Intro to Archaeology	4.0
BUS101 - Introduction to Business	3.0
CFE102 - The Developing Child	3.0

COMM217 - Gender and Communication	3.0	PSY232 - Theories of Personality	3.0
DFST105 - Intro to American Deaf Culture	3.0	PSY233 - Personal and Social Adjustment	3.0
ECON100 - Survey of Economics	3.0	PSY234 - Abnormal Psychology	3.0
ECON101 - Prin of Macroeconomics	3.0	PSY235 - Child Psychology	3.0
ECON102 - Principles of Microeconomics	3.0	PSY236 - Developmental Psychology	3.0
ECON110 - Econ of the Underclass	3.0	SOC101 - Introduction to Sociology	3.0
GEOG105 - Cultural Geography	3.0	SOC105 - Mexican Amer Contemp Society	3.0
GEOG106 - California Geography	3.0	SOC110 - Ethnic Relations	3.0
GEOG110 - World Regional Geography	3.0	SOC112 - American Social Issues	3.0
HIST101 - Western Civilization, Beg-1750	3.0	SOC111 - Issues Concepts in Aging	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC115 - Marriage and Family Life	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC116 - Sociology of Gender&Sexuality	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC120 - Drugs Society Human Behavior	3.0
HIST107 - U.S. History, 1607-1877	3.0	D1 - Language & Rationality - Communication and Analytical Thinking	3.0
HIST108 - U.S. History from 1865	3.0	ENGL101 - Academic Composition	
HIST110 - African-American History, 1450-1877	3.0	D2 - Language & Rationality - Communication and Analytical Thinking	3.0
HIST111 - African-American History, 1877-Present	3.0	COMM101 - Intro to Public Speaking	
HIST113 - Women in American History	3.0	Elective General Elective	3.0
HIST114 - History of California	3.0	Total Credits	13.0 - 18.0
HIST116 - Contemp US History: From Viet	3.0	Term 4	Credits
HIST118 - American West Hist, 1806-Pres	3.0	Area C - Humanities Take one of the following:	
HIST119 - History Latin American and the Caribbean	3.0	ART100 - Art Appreciation	3.0
POLS101 - Amer Political Institutions	3.0	ART101 - History of Art, Prehistoric to Gothic	3.0
POLS103 - Comparative Government	3.0	ART102 - History of Art, Renaissance to Modern	3.0
POLS200 - Intro to Political Theory	3.0	ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
POLS201 - Contemporary International Relations	3.0	ART104 - Hist of Art in 20th Century	3.0
POLS202 - Ethnic Politics in America	3.0	ART106 - History of Art: Asia	3.0
POLS203 - The Judicial Process	3.0	ART110 - Drawing	3.0
PSY101 - General Psychology	3.0	ART113 - Painting I	3.0
PSY102 - Introduction to Alcohol and Other Drug Studies	3.0	ART120 - Introduction to Printmaking	3.0
PSY201 - Introduction to Physiological Psychology	3.0	ART132 - Introduction to Ceramics: Hand-Building	3.0
PSY212 - Human Sexuality	3.0	ART135 - Beginning Wheel-Thrown Ceramics	3.0
PSY230 - Social Psychology	3.0	ART136 - Int Wheel-Thrown Ceramics	3.0
		ART137 - Advanced Wheel-Thrown Ceramics	3.0
		ART140 - Watercolor	3.0

ART145 - 2-D Design Basics	3.0	FREN203 - Advanced French	3.0
ART150 - 3-D Design Basics	3.0	FTV101 - Introduction to Film	3.0
ART210 - Drawing III	3.0	FTV103 - Introduction to Television	3.0
ART213 - Painting III	3.0	FTV107 - History of Film, Pre 1950	3.0
CHIN101 - Elementary Chinese I	5.0	FTV108 - History of Film, 1950-Present	3.0
CHIN102 - Elementary Chinese 2	5.0	FTV201 - Intercultural & Women's Film	3.0
CHIN201 - Intermediate Chinese	5.0	FTV203 - African-American Cinema	3.0
CHIN202 - Intermediate Chinese	5.0	FTV251 - Cont American Indep Film	4.0
COMM112 - Oral Interpretation	3.0	FTV261 - Religion and Cinema	4.0
COMM114 - Art of Storytelling	3.0	GER101 - Elementary German 1	5.0
DA101 - Dance Appreciation	3.0	GER102 - Elementary German 2	5.0
DFST101 - American Sign Language I	4.0	GER201 - Intermediate German 1	4.0
DFST102 - American Sign Language II	4.0	GER202 - Intermediate German 2	4.0
DFST105 - Intro to American Deaf Culture	3.0	HIST115 - Cultural History of Mexico	3.0
DFST106 - Intro to Deaf Education	3.0	LATN101 - Elementary Latin 1	5.0
DFST201 - Amer Sign Language III	4.0	LATN102 - Elementary Latin 2	5.0
DFST202 - Amer Sign Language IV	4.0	LATN201 - Intermediate Latin	5.0
ENGL102 - Critical Thinking & Literature	3.0	MUS101 - Music Appreciation	3.0
ENGL111 - Creative Writing: Fiction	3.0	MUS105 - World Music	3.0
ENGL112 - Creative Writing: Poetry	3.0	MUS111 - Fundamentals of Music (Music Theory I)	3.0
ENGL221 - American Literature 1400-1865	3.0	MUS131 - Piano I	2.0
ENGL222 - American Literature, 1865-Present	3.0	MUS132 - Piano II	2.0
ENGL225 - English Literature, 800-1750	3.0	MUS151 - Music Theory II	3.0
ENGL227 - English Literature, 1750-Present	3.0	MUS153B - Musicianship II	2.0
ENGL230 - World Literature 1	3.0	MUS185 - Concert Choir	1.0
ENGL231 - World Literature 2	3.0	MUS231 - Piano III	2.0
ENGL235 - Shakespeare and Culture	3.0	MUS251A - Music Theory III	3.0
ENGL242 - Narrative and Culture	3.0	MUS251B - Music Theory IV	3.0
ENGL253 - African American Literature	3.0	MUS253A - Musicianship III	2.0
ENGL256 - Latinx Literature	3.0	MUS253B - Musicianship IV	2.0
ENGL257 - Native-Amer Literature	3.0	MUSC102 - History of Jazz	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0	MUSC103 - History of Rock 'n Roll	3.0
ENGL265 - Film: Text and Context	3.0	MUSC107 - History of Women in Rock Music	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
FREN101 - Elementary French 1	5.0	PHIL106 - Intro to Philosophy	3.0
FREN102 - Elementary French 2	5.0	PHIL108 - Philosophy of Religion	3.0
FREN201 - Intermediate French 1	5.0	PHIL109 - World Religions	3.0
FREN202 - Intermediate French 2	5.0	PHOT107 - History of Photography	3.0

PHTC101 - Beginning Black and White Photography	3.0	DA113 - World Dance-Ethnic Forms	1.0
PHTC150 - Beginning Color Photography	3.0	DA115 - Dance Repertory	1.0
PHTC201 - Advanced Black and White Photography	3.0	DA116 - Dance Improvisation	1.0
SPAN101 - Elementary Spanish 1	5.0	DA122 - Int Ballet	1.0
SPAN102 - Elementary Spanish 2	5.0	DA123 - Int Modern Dance	1.0
SPAN110SS - Span for Heritage Speakers I	5.0	DA124 - Int Jazz Dance	1.0
SPAN201 - Intermediate Spanish 1	5.0	DA125 - Int Tap Dance	1.0
SPAN202 - Intermediate Spanish 2	5.0	DA202 - Advanced Ballet	1.0
SPAN210SS - Span for Heritage Speakers II	5.0	DA203 - Adv Modern Dance	1.0
SPAN220SS - Composition and Conversation	5.0	DA204 - Adv Jazz Dance	1.0
THA101 - Introduction to Theatre	3.0	DA205 - Advanced Tap Dance	1.0
THA102 - Introduction to Stagecraft	3.0	DFST105 - Intro to American Deaf Culture	3.0
THA103 - Introduction to Stage Lighting	3.0	HD100 - Basic Strategies For College Success	1.5
THA110 - Fundamentals of Acting	3.0	HD101 - College and Life Management	3.0
THA115A - Rehearsal and Performance: Drama	1.0	HD102 - Soldiers to Scholars	3.0
THA116A - Rehearsal and Performance: Comedy	1.0	HD103 - Career Planning	1.5
THA117A - Rehearsal and Performance: Musical Theatre	1.0	HD105 - Personal Development	3.0
THA118A - Rehearsal and Performance: Children's Theatre	1.0	HE120 - Stress Management	3.0
THA121A - Theatre Production	1.0	KINF135 - Physical Conditioning	0.5 - 1.0
THA130 - Improvisation	3.0	KINF150 - Beginning Soccer	1.0
THA133 - Makeup for the Stage	3.0	KINF151 - Intermediate Soccer	1.0
THA225 - Script Analysis	3.0	KINF160 - Beginning Tennis	1.0
THA239 - Intercultural and Women's Theatre	3.0	KINF161 - Intermediate Tennis	1.0
Area E -Additional Breadth		KINF115 - Beginning Fast-Pitch Softball	1.0
Take one of the following:		KINF107 - Beginning Weight Lifting	1.0
Course utilized from AREA A, B, C, or D2	3.0	KINF162 - Advanced Tennis	1.0
CFE102 - The Developing Child	3.0	KINT100 - Introduction to Kinesiology	3.0
COMM107 - Introduction to Interpersonal Communication	3.0	LIB107 - Information Literacy	3.0
COMM219 - Introduction to Intercultural Communication	3.0	LIB110 - Intro to Internet Research	1.0
DA102 - Beg Ballet	1.0	NF100 - Nutrition	3.0
DA103 - Beg Modern Dance	1.0	NF102 - Nutrition & Food Children	3.0
DA104 - Beg Jazz Dance	1.0	NF103 - Prin of Food Preparation	3.0
DA105 - Beg Tap Dance	1.0	NF110 - Sports Nutrition	3.0
DA106 - Ballroom Dance	1.0	NF150 - Food and Culture	3.0
		PSY212 - Human Sexuality	3.0
		SOC111 - Issues Concepts in Aging	3.0
		SOC116 - Sociology of Gender&Sexuality	3.0
		Area F -Diversity Studies Take one of the following:	
		ANTH102 - Introduction to Cultural Anthropology	3.0

ANTH112 - Native North Americans	3.0
BUS212 - Women in Organizations	3.0
CFE116 - Diversity Early Childhood Ed	3.0
COMM114 - Art of Storytelling	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
DFST105 - Intro to American Deaf Culture	3.0
DFST106 - Intro to Deaf Education	3.0
ECON110 - Econ of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Native-Amer Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - Mexican Amer Contemp Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender&Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Elective General Elective	3.0
Elective General Elective	3.0
Total Credits	10.5 - 17.0

Program Outcomes

AS A&A Aircraft Powerplant

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.

Analyze, evaluate, troubleshoot, and repair structural, propulsion, electrical, and guidance systems to meet air worthy standards.

Evaluate and apply Federal Aviation Regulations, technical maintenance data, and acceptable industry standards pertinent to proper maintenance and safety standards.

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.

Program Requirements

Gen Aircraft Maint Cert (Total 18)

Complete all of the following

Required Courses (Total 15)

Complete the following number of credits: 15

AERO120 - Aircraft General I 7.5

AERO121 - Aircraft General II 7.5

Program Electives (Total 3)

Complete the following number of credits: 3

AFAB110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation 3

AFAB115 - Aircraft Structures 8

AFAB120 - Composites Fabrication and Repair 7

AFAB130 - Aerospace Ethics and Issues 4

AFAB210 - Aircraft Production Systems 4

ELTE252 - Introduction to Avionics 3

ELTE254 - Radio Telephone License 3

Recommended Pathway

Term 1 Credits

Required Courses AERO120 - Aircraft General I 7.5

Total Credits 7.5

Term 2 Credits

Required Courses AERO121 - Aircraft General II 7.5

Program Electives Take one of the following:

AFAB110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation	3.0
AFAB115 - Aircraft Structures	8.0
AFAB120 - Composites Fabrication and Repair	7.0
AFAB130 - Aerospace Ethics and Issues	4.0
AFAB210 - Aircraft Production Systems	4.0
ELTE252 - Introduction to Avionics	3.0
ELTE254 - Radio Telephone License	3.0
Total Credits	10.5 - 15.5

Program Outcomes**General Aircraft Maintenance Cert**

- 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.**
- Analyze, evaluate, troubleshoot, and repair structural, propulsion, electrical, and guidance systems to meet airworthy standards.**
- Evaluate and apply Federal Aviation Regulations, technical maintenance data, and acceptable industry standards pertinent to proper maintenance and safety standards.**

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.

Program Requirements**General Aircraft Maintenance AS (Total 18)****Complete all of the following****Required Courses (Total 15)****Complete the following number of credits: 15**

AERO120 - Aircraft General I 7.5

AERO121 - Aircraft General II 7.5

Program Electives (Total 3)**Complete the following number of credits: 3**

AFAB110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation 3

AFAB115 - Aircraft Structures 8

AFAB120 - Composites Fabrication and Repair 7

AFAB130 - Aerospace Ethics and Issues 4

ELTE252 - Introduction to Avionics 3

ELTE254 - Radio Telephone License 3

Recommended Pathway

Term 1	Credits
Required Courses AERO120 - Aircraft General I	7.5
Total Credits	7.5

Term 2	Credits
Required Courses AERO121 - Aircraft General II	7.5
Total Credits	7.5

Term 3	Credits
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Program Electives Take one of the following:

AFAB110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation 3.0

AFAB115 - Aircraft Structures 8.0

AFAB120 - Composites Fabrication and Repair 7.0

AFAB130 - Aerospace Ethics and Issues 4.0

ELTE252 - Introduction to Avionics 3.0

ELTE254 - Radio Telephone License 3.0

Elective General Elective 3.0**Total Credits** 6.0 - 11.0

Term 4	Credits
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Area A -Natural Sciences Take one of the following:

ANTH101 - Introduction to Biological Anthropology 3.0

ANTH101L - Biological Anthropology Lab 1.0

ASTR101 - Astronomy 3.0

ASTR101L - Astronomy Laboratory 1.0

BIOL100 - Elementary Human Anatomy and Physiology	3.0	AJ206 - Criminology	3.0
BIOL101 - General Biology	3.0	ANTH102 - Introduction to Cultural Anthropology	3.0
BIOL101L - General Biology Lab	1.0	ANTH103 - Archaeology and World Prehistory	3.0
BIOL102 - Human Biology	4.0	ANTH112 - Native North Americans	3.0
BIOL103 - Introduction to Botany	4.0	ANTH140 - Intro to Archaeology	4.0
BIOL104 - Environmental Biology	3.0	BUS101 - Introduction to Business	3.0
BIOL110 - General Molecular Cell Biology	5.0	CFE102 - The Developing Child	3.0
BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0	COMM217 - Gender and Communication	3.0
BIOL201 - General Human Anatomy	4.0	DFST105 - Intro to American Deaf Culture	3.0
BIOL202 - General Human Physiology	4.0	ECON100 - Survey of Economics	3.0
BIOL204 - General Microbiology	5.0	ECON101 - Prin of Macroeconomics	3.0
BIOL205 - Introduction to Biotechnology	3.0	ECON102 - Principles of Microeconomics	3.0
CHEM101 - Introductory Chemistry	5.0	ECON110 - Econ of the Underclass	3.0
CHEM102 - Intro Chem (Organic & Biochem)	4.0	GEOG105 - Cultural Geography	3.0
CHEM110 - General Chemistry	5.0	GEOG106 - California Geography	3.0
ELTE101 - Survey of Electronics	4.0	GEOG110 - World Regional Geography	3.0
ERSC101 - Introduction to Earth Science	4.0	HIST101 - Western Civilization, Beg-1750	3.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0	HIST102 - Western Civilization, 1750 - Present	3.0
GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0	HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0	HIST105 - Introduction to World Civilization, 1500 - Present	3.0
GEOG102L - Phy Geog Lab: Earth's Wea&Cli	1.0	HIST107 - U.S. History, 1607-1877	3.0
GEOL101 - Physical Geology	3.0	HIST108 - U.S. History from 1865	3.0
GEOL101L - Physical Geology Lab	1.0	HIST110 - African-American History, 1450-1877	3.0
GEOL102 - Historical Geology	3.0	HIST111 - African-American History, 1877-Present	3.0
GEOL102L - Historical Geology Laboratory	1.0	HIST113 - Women in American History	3.0
PHYS101 - Introductory Physics	4.0	HIST114 - History of California	3.0
PHYS102 - Introductory Physics	4.0	HIST116 - Contemp US History: From Viet	3.0
PHYS110 - General Physics	4.0	HIST118 - American West Hist, 1806-Pres	3.0
PHYS120 - General Physics	4.0	HIST119 - History Latin American and the Caribbean	3.0
PHYS211 - General Physics	5.0	POLS101 - Amer Political Institutions	3.0
PSCI101 - Physical Science	4.0	POLS103 - Comparative Government	3.0
Area B - Social & Behavioral Sciences		POLS200 - Intro to Political Theory	3.0
Take one of the following:		POLS201 - Contemporary International Relations	3.0
AJ201 - Police in Society	3.0		
AJ204 - Juvenile Procedures	3.0		

POLS202 - Ethnic Politics in America	3.0	ART132 - Introduction to Ceramics: Hand-Building	3.0
POLS203 - The Judicial Process	3.0	ART135 - Beginning Wheel-Thrown Ceramics	3.0
PSY101 - General Psychology	3.0	ART136 - Int Wheel-Thrown Ceramics	3.0
PSY102 - Introduction to Alcohol and Other Drug Studies	3.0	ART137 - Advanced Wheel-Thrown Ceramics	3.0
PSY201 - Introduction to Physiological Psychology	3.0	ART140 - Watercolor	3.0
PSY212 - Human Sexuality	3.0	ART145 - 2-D Design Basics	3.0
PSY230 - Social Psychology	3.0	ART150 - 3-D Design Basics	3.0
PSY232 - Theories of Personality	3.0	ART210 - Drawing III	3.0
PSY233 - Personal and Social Adjustment	3.0	ART213 - Painting III	3.0
PSY234 - Abnormal Psychology	3.0	CHIN101 - Elementary Chinese I	5.0
PSY235 - Child Psychology	3.0	CHIN102 - Elementary Chinese 2	5.0
PSY236 - Developmental Psychology	3.0	CHIN201 - Intermediate Chinese	5.0
SOC101 - Introduction to Sociology	3.0	CHIN202 - Intermediate Chinese	5.0
SOC105 - Mexican Amer Contemp Society	3.0	COMM112 - Oral Interpretation	3.0
SOC110 - Ethnic Relations	3.0	COMM114 - Art of Storytelling	3.0
SOC112 - American Social Issues	3.0	DA101 - Dance Appreciation	3.0
SOC111 - Issues Concepts in Aging	3.0	DFST101 - American Sign Language I	4.0
SOC115 - Marriage and Family Life	3.0	DFST102 - American Sign Language II	4.0
SOC116 - Sociology of Gender&Sexuality	3.0	DFST105 - Intro to American Deaf Culture	3.0
SOC120 - Drugs Society Human Behavior	3.0	DFST106 - Intro to Deaf Education	3.0
D1 - Language & Rationality - Communication and Analytical Thinking	3.0	DFST201 - Amer Sign Language III	4.0
ENGL101 - Academic Composition		DFST202 - Amer Sign Language IV	4.0
Elective General Elective	3.0	ENGL102 - Critical Thinking & Literature	3.0
Total Credits	10.0 - 15.0	ENGL111 - Creative Writing: Fiction	3.0
Term 5	Credits	ENGL112 - Creative Writing: Poetry	3.0
Area C - Humanities Take one of the following:		ENGL221 - American Literature 1400-1865	3.0
ART100 - Art Appreciation	3.0	ENGL222 - American Literature, 1865-Present	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0	ENGL225 - English Literature, 800-1750	3.0
ART102 - History of Art, Renaissance to Modern	3.0	ENGL227 - English Literature, 1750-Present	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0	ENGL230 - World Literature 1	3.0
ART104 - Hist of Art in 20th Century	3.0	ENGL231 - World Literature 2	3.0
ART106 - History of Art: Asia	3.0	ENGL235 - Shakespeare and Culture	3.0
ART110 - Drawing	3.0	ENGL242 - Narrative and Culture	3.0
ART113 - Painting I	3.0	ENGL253 - African American Literature	3.0
ART120 - Introduction to Printmaking	3.0	ENGL256 - Latinx Literature	3.0
		ENGL257 - Native-Amer Literature	3.0
		ENGL259 - Gender, Image, and Rhetoric	3.0

ENGL265 - Film: Text and Context	3.0	MUSC107 - History of Women in Rock Music	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
FREN101 - Elementary French 1	5.0	PHIL106 - Intro to Philosophy	3.0
FREN102 - Elementary French 2	5.0	PHIL108 - Philosophy of Religion	3.0
FREN201 - Intermediate French 1	5.0	PHIL109 - World Religions	3.0
FREN202 - Intermediate French 2	5.0	PHOT107 - History of Photography	3.0
FREN203 - Advanced French	3.0	PHTC101 - Beginning Black and White Photography	3.0
FTV101 - Introduction to Film	3.0	PHTC150 - Beginning Color Photography	3.0
FTV103 - Introduction to Television	3.0	PHTC201 - Advanced Black and White Photography	3.0
FTV107 - History of Film, Pre 1950	3.0	SPAN101 - Elementary Spanish 1	5.0
FTV108 - History of Film, 1950-Present	3.0	SPAN102 - Elementary Spanish 2	5.0
FTV201 - Intercultural & Women's Film	3.0	SPAN110SS - Span for Heritage Speakers I	5.0
FTV203 - African-American Cinema	3.0	SPAN201 - Intermediate Spanish 1	5.0
FTV251 - Cont American Indep Film	4.0	SPAN202 - Intermediate Spanish 2	5.0
FTV261 - Religion and Cinema	4.0	SPAN210SS - Span for Heritage Speakers II	5.0
GER101 - Elementary German 1	5.0	SPAN220SS - Composition and Conversation	5.0
GER102 - Elementary German 2	5.0	THA101 - Introduction to Theatre	3.0
GER201 - Intermediate German 1	4.0	THA102 - Introduction to Stagecraft	3.0
GER202 - Intermediate German 2	4.0	THA103 - Introduction to Stage Lighting	3.0
HIST115 - Cultural History of Mexico	3.0	THA110 - Fundamentals of Acting	3.0
LATN101 - Elementary Latin 1	5.0	THA115A - Rehearsal and Performance: Drama	1.0
LATN102 - Elementary Latin 2	5.0	THA116A - Rehearsal and Performance: Comedy	1.0
LATN201 - Intermediate Latin	5.0	THA117A - Rehearsal and Performance: Musical Theatre	1.0
MUS101 - Music Appreciation	3.0	THA118A - Rehearsal and Performance: Children's Theatre	1.0
MUS105 - World Music	3.0	THA121A - Theatre Production	1.0
MUS111 - Fundamentals of Music (Music Theory I)	3.0	THA130 - Improvisation	3.0
MUS131 - Piano I	2.0	THA133 - Makeup for the Stage	3.0
MUS132 - Piano II	2.0	THA225 - Script Analysis	3.0
MUS151 - Music Theory II	3.0	THA239 - Intercultural and Women's Theatre	3.0
MUS153B - Musicianship II	2.0	D2 - Language & Rationality - Communication and Analytical Thinking	3.0
MUS185 - Concert Choir	1.0	COMM101 - Intro to Public Speaking	
MUS231 - Piano III	2.0	Area E -Additional Breadth Take one of the following:	
MUS251A - Music Theory III	3.0	Course utilized from AREA A, B, C, or D2	3.0
MUS251B - Music Theory IV	3.0		
MUS253A - Musicianship III	2.0		
MUS253B - Musicianship IV	2.0		
MUSC102 - History of Jazz	3.0		
MUSC103 - History of Rock 'n Roll	3.0		

CFE102 - The Developing Child	3.0	NF102 - Nutrition & Food Children	3.0
COMM107 - Introduction to Interpersonal Communication	3.0	NF103 - Prin of Food Preparation	3.0
COMM219 - Introduction to Intercultural Communication	3.0	NF110 - Sports Nutrition	3.0
DA102 - Beg Ballet	1.0	NF150 - Food and Culture	3.0
DA103 - Beg Modern Dance	1.0	PSY212 - Human Sexuality	3.0
DA104 - Beg Jazz Dance	1.0	SOC111 - Issues Concepts in Aging	3.0
DA105 - Beg Tap Dance	1.0	SOC116 - Sociology of Gender&Sexuality	3.0
DA106 - Ballroom Dance	1.0	Area F -Diversity Studies Take one of the following:	
DA113 - World Dance-Ethnic Forms	1.0	ANTH102 - Introduction to Cultural Anthropology	3.0
DA115 - Dance Repertory	1.0	ANTH112 - Native North Americans	3.0
DA116 - Dance Improvisation	1.0	BUS212 - Women in Organizations	3.0
DA122 - Int Ballet	1.0	CFE116 - Diversity Early Childhood Ed	3.0
DA123 - Int Modern Dance	1.0	COMM114 - Art of Storytelling	3.0
DA124 - Int Jazz Dance	1.0	COMM217 - Gender and Communication	3.0
DA125 - Int Tap Dance	1.0	COMM219 - Introduction to Intercultural Communication	3.0
DA202 - Advanced Ballet	1.0	DFST105 - Intro to American Deaf Culture	3.0
DA203 - Adv Modern Dance	1.0	DFST106 - Intro to Deaf Education	3.0
DA204 - Adv Jazz Dance	1.0	ECON110 - Econ of the Underclass	3.0
DA205 - Advanced Tap Dance	1.0	ENGL253 - African American Literature	3.0
DFST105 - Intro to American Deaf Culture	3.0	ENGL256 - Latinx Literature	3.0
HD100 - Basic Strategies For College Success	1.5	ENGL257 - Native-Amer Literature	3.0
HD101 - College and Life Management	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
HD102 - Soldiers to Scholars	3.0	FTV201 - Intercultural & Women's Film	3.0
HD103 - Career Planning	1.5	FTV203 - African-American Cinema	3.0
HD105 - Personal Development	3.0	HE201 - Women's Health Issues	3.0
HE120 - Stress Management	3.0	HIST110 - African-American History, 1450-1877	3.0
KINF135 - Physical Conditioning	0.5 - 1.0	HIST111 - African-American History, 1877-Present	3.0
KINF112A - Beginning Soccer	1.0	HIST113 - Women in American History	3.0
KINF112B - Intermediate Soccer	1.0	MUSC107 - History of Women in Rock Music	3.0
KINF160 - Beginning Tennis	1.0	POLS202 - Ethnic Politics in America	3.0
KINF161 - Intermediate Tennis	1.0	SOC105 - Mexican Amer Contemp Society	3.0
KINF115 - Beginning Fast-Pitch Softball	1.0	SOC110 - Ethnic Relations	3.0
KINF107 - Beginning Weight Lifting	1.0	SOC116 - Sociology of Gender&Sexuality	3.0
KINF162 - Advanced Tennis	1.0	THA239 - Intercultural and Women's Theatre	3.0
KINT100 - Introduction to Kinesiology	3.0	Elective General Elective	3.0
LIB107 - Information Literacy	3.0	Total Credits	10.5 - 17.0
LIB110 - Intro to Internet Research	1.0		
NF100 - Nutrition	3.0		

Aircraft General I

AERO120:

7.5 Units

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)

Aircraft General II

AERO121:

7.5 Units

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)

Occupational Work Experience

AERO199:

1.0 - 8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Aircraft Airframe I

AERO230:

15.0 Units

Inform and train 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)

Aircraft Airframe II

AERO231:

15.0 Units

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)

Aircraft Powerplant I

AERO240:

15.0 Units

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)

Aircraft Powerplant II

AERO241:

15.0 Units

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)

Aeronautical Non-Destructive Inspection

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.

Aeronautical Non-Destructive Inspection

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.

Program Requirements

Aeronautical Non Destructive Inspection Certification (Total 11)

Complete all of the following

- ANDI110 - Non Destructive Inspection: Visual Inspection, Liquid Penetrant, and Magnetic Particle 4
- ANDI115 - Non Destructive Inspection: Eddy Current 3.5
- ANDI120 - Non Destructive Inspection: Ultrasound Inspection 3.5

Recommended Pathway

Term 1	Credits
Aeronautical Non Destructive Inspection Certification ANDI110 - Non Destructive Inspection: Visual Inspection, Liquid Penetrant, and Magnetic Particle	4.0
Aeronautical Non Destructive Inspection Certification ANDI115 - Non Destructive Inspection: Eddy Current	3.5
Total Credits	7.5
Term 2	Credits
Aeronautical Non Destructive Inspection Certification ANDI120 - Non Destructive Inspection: Ultrasound Inspection	3.5
Total Credits	3.5

Program Outcomes

Aeronautical Non-Destructive Inspection (ANDI)

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.

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.

Non Destructive Inspection: Visual Inspection, Liquid Penetrant, and Magnetic Particle

ANDI110:

4.0 Units

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)

Non Destructive Inspection: Eddy Current

ANDI115:

3.5 Units

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)

Non Destructive Inspection: Ultrasound Inspection

ANDI120:

3.5 Units

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)

Aerospace Leadership and Management

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

Aerospace Leadership and Management

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 (Total 12) Complete all of the following

- ALM110 - Leadership and Administration 3
- ALM115 - Manufacturing Processes and Controls 3
- ALM120 - Lean Manufacturing 3
- ALM130 - Total Quality Management 3

Recommended Pathway

Term 1	Credits
Aerospace Leadership and Management ALM110 - Leadership and Administration	3.0
Aerospace Leadership and Management ALM115 - Manufacturing Processes and Controls	3.0
Aerospace Leadership and Management ALM120 - Lean Manufacturing	3.0
Aerospace Leadership and Management ALM130 - Total Quality Management	3.0
Total Credits	12.0

Program Outcomes

Aerospace Leadership and Management

Demonstrate key competences, tools and techniques related to management, administration, manufacturing processes, lean management, and Total Quality Management (TQM).

Apply the theoretical knowledge, methods, and skills gained from their coursework to improve overall management and production quality.

Leadership and Administration

ALM110:

3.0 Units

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 tasks that are required for smooth day to day operations. (AVC)

Manufacturing Processes and Controls

ALM115:

3.0 Units

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)

Lean Manufacturing

ALM120:

3.0 Units

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)

Total Quality Management

ALM130:

3.0 Units

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)

Air Cond/Refrig/Vent

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.

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

AC & Ref Specialist Major (Total 40)

Complete all of the following

Basic Refrigeration (Total 10)

Complete all of the following

ACRV112 - Basic Refrigeration Systems 5

ACRV113 - Basic Refrigeration Controls 5

Commercial Refrigeration (Total 10)

Complete all of the following

ACRV212 - Commercial Refrigeration Systems 5

ACRV213 - Commercial Refrigeration Controls 5

Residential Air Conditioning (Total 10)

Complete all of the following

ACRV122 - Residential Air Conditioning Systems 5

ACRV123 - Residential Air Cond Controls 5

Commercial Air Conditioning (Total 10)

Complete all of the following

ACRV222 - Commercial Air Conditioning Controls 5

ACRV223 - Commercial Air Conditioning Systems 5

Recommended Pathway

2 Years Certification ACR Specialist

Term 1	Credits
Basic Refrigeration ACRV112 - Basic Refrigeration Systems	5.0
Residential Air Conditioning ACRV122 - Residential Air Conditioning Systems	5.0
Total Credits	10.0

Term 2	Credits
Basic Refrigeration ACRV113 - Basic Refrigeration Controls	5.0
Residential Air Conditioning ACRV123 - Residential Air Cond Controls	5.0
Total Credits	10.0
Term 3	Credits
Commercial Refrigeration ACRV212 - Commercial Refrigeration Systems	5.0
Commercial Air Conditioning ACRV222 - Commercial Air Conditioning Controls	5.0
Total Credits	10.0
Term 4	Credits
Commercial Refrigeration ACRV213 - Commercial Refrigeration Controls	5.0
Commercial Air Conditioning ACRV223 - Commercial Air Conditioning Systems	5.0
Total Credits	10.0

Program Outcomes

Air Conditioning Spec Cert

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.

Analyze, evaluate, troubleshoot, and repair mechanical and electrical control systems to an air conditioning industry entry level standard.

Use Environmental Protection Agency Rule 608 refrigerant handling standards to properly charge, maintain and/or dispose of equipment at the end of life cycle.

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.

Interpret prints and drawings including mechanical and electrical schematics and pictorials for job specifications, equipment location and diagnostics.

Analyze systems and components for proper installation, operation and efficiency.

Diagnose and facilitate repair to the smallest repairable unit on an air conditioning unit.

Refrigeration Specialist Cert

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,

Analyze, evaluate, troubleshoot, and repair mechanical and electrical control systems to a refrigeration industry entry level standard.

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.

Analyze prints and drawings including mechanical and electrical schematics and pictorials for job specifications, equipment location and diagnostics.

Determine the proper installation requirements and use industry standard practices to layout and install equipment.

Analyze systems and components for proper installation, operation and efficiency.

Diagnose and facilitate repair to the smallest repairable component on a refrigeration unit.

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 21 units of general education requirements to total 61 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 Cond & Refrigeration Spec AS (Total 40)

Complete all of the following

- ACRV112 - Basic Refrigeration Systems 5
- ACRV113 - Basic Refrigeration Controls 5
- ACRV212 - Commercial Refrigeration Systems 5
- ACRV213 - Commercial Refrigeration Controls 5

- ACRV122 - Residential Air Conditioning Systems 5
- ACRV123 - Residential Air Cond Controls 5
- ACRV222 - Commercial Air Conditioning Controls 5
- ACRV223 - Commercial Air Conditioning Systems 5

Recommended Pathway

Days & Nights

Term 1	Credits
Air Cond & Refrigeration Spec AS	
ACRV112 - Basic Refrigeration Systems	5.0
Air Cond & Refrigeration Spec AS	
ACRV113 - Basic Refrigeration Controls	5.0
D1 - Language & Rationality - Communication and Analytical Thinking	
ENGL101 - College Composition	3.0
Total Credits	13.0
Term 2	Credits
Air Cond & Refrigeration Spec AS	
ACRV122 - Residential Air Conditioning Systems	5.0
Air Cond & Refrigeration Spec AS	
ACRV123 - Residential Air Cond Controls	5.0
Area A -Natural Sciences Take one of the following:	
ELTE101 - Survey of Electronics	4.0
PHYS101 - Introductory Physics	4.0
Total Credits	14.0
Term 3	Credits
Air Cond & Refrigeration Spec AS	
ACRV212 - Commercial Refrigeration Systems	5.0
Air Cond & Refrigeration Spec AS	
ACRV222 - Commercial Air Conditioning Controls	5.0
Area C - Humanities SPAN101 - Elementary Spanish 1	5.0
Area E - Additional Breadth HD101 - College and Life Management	3.0
Total Credits	18.0
Term 4	Credits
Air Cond & Refrigeration Spec AS	
ACRV213 - Commercial Refrigeration Controls	5.0
Air Cond & Refrigeration Spec AS	
ACRV223 - Commercial Air Conditioning Systems	5.0
Area B - Social & Behavioral Sciences Take one of the following:	

AJ201 - Police in Society	3.0	POLS101 - American Political Institutions	3.0
AJ204 - Juvenile Procedures	3.0	POLS103 - Comparative Government	3.0
AJ206 - Criminology	3.0	POLS200 - Introduction to Political Theory	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	POLS201 - Contemporary International Relations	3.0
ANTH103 - Archaeology and World Prehistory	3.0	POLS202 - Ethnic Politics in America	3.0
ANTH112 - Native North Americans	3.0	POLS203 - The Judicial Process	3.0
ANTH140 - Intro to Archaeology	4.0	PSY101 - General Psychology	3.0
BUS101 - Introduction to Business	3.0	PSY102 - Introduction to Alcohol and Other Drug Studies	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0	PSY201 - Introduction to Physiological Psychology	3.0
COMM217 - Gender and Communication	3.0	PSY212 - Human Sexuality	3.0
DFST105 - Introduction to American Deaf Culture	3.0	PSY230 - Social Psychology	3.0
ECON100 - Survey of Economics	3.0	PSY232 - Theories of Personality	3.0
ECON101 - Principles of Macroeconomics	3.0	PSY233 - Personal and Social Adjustment	3.0
ECON102 - Principles of Microeconomics	3.0	PSY234 - Abnormal Psychology	3.0
ECON110 - Economics of the Underclass	3.0	PSY235 - Child Psychology	3.0
GEOG105 - Cultural Geography	3.0	PSY236 - Developmental Psychology	3.0
GEOG106 - California Geography	3.0	SOC101 - Introduction to Sociology	3.0
GEOG110 - World Regional Geography	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	SOC110 - Ethnic Relations	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC115 - Marriage and Family Life	3.0
HIST107 - U.S. History, 1607-1877	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST108 - U.S. History from 1865	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST110 - African-American History, 1450-1877	3.0	Area F -Diversity Studies Take one of the following:	
HIST111 - African-American History, 1877-Present	3.0	ANTH102 - Introduction to Cultural Anthropology	3.0
HIST113 - Women in American History	3.0	ANTH112 - Native North Americans	3.0
HIST114 - History of California	3.0	BUS212 - Women in Organizations	3.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0	CFE116 - Diversity in Early Childhood Education	3.0
HIST118 - American West History, 1806-Present	3.0	COMM114 - Art of Storytelling	3.0
HIST119 - History of Latin America and the Caribbean	3.0	COMM217 - Gender and Communication	3.0
		COMM219 - Introduction to Intercultural Communication	3.0
		DFST105 - Introduction to American Deaf Culture	3.0

DFST106 - Introduction to Deaf Education	3.0
ECON110 - Economics of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Total Credits	16.0 - 17.0

Nights

Term 1	Credits
Air Cond & Refrigeration Spec AS	
ACRV112 - Basic Refrigeration Systems	5.0
Air Cond & Refrigeration Spec AS	
ACRV122 - Residential Air Conditioning Systems	5.0
D1 - Language & Rationality - Communication and Analytical Thinking	
ENGL101 - College Composition	3.0
Total Credits	13.0
Term 2	Credits
Air Cond & Refrigeration Spec AS	
ACRV113 - Basic Refrigeration Controls	5.0
Air Cond & Refrigeration Spec AS	
ACRV123 - Residential Air Cond Controls	5.0
Area A -Natural Sciences Take one of the following:	
ELTE101 - Survey of Electronics	4.0

PHYS101 - Introductory Physics	4.0
Total Credits	14.0
Term 3	Credits
Air Cond & Refrigeration Spec AS	
ACRV212 - Commercial Refrigeration Systems	5.0
Air Cond & Refrigeration Spec AS	
ACRV222 - Commercial Air Conditioning Controls	5.0
Area C - Humanities SPAN101 - Elementary Spanish 1	5.0
Area E - Additional Breadth HD101 - College and Life Management	3.0
Total Credits	18.0
Term 4	Credits
Air Cond & Refrigeration Spec AS	
ACRV213 - Commercial Refrigeration Controls	5.0
Air Cond & Refrigeration Spec AS	
ACRV223 - Commercial Air Conditioning Systems	5.0
Area B - Social & Behavioral Sciences	
BUS101 - Introduction to Business	3.0
Area F - Diversity Studies COMM114 - Art of Storytelling	3.0
Total Credits	16.0

Program Outcomes

Air Conditioning Spec Cert

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 instru

Analyze, evaluate, troubleshoot, and repair mechanical and electrical control systems to an air conditioning industry entry level standard.

Use Environmental Protection Agency Rule 608 refrigerant handling standards to properly charge, maintain and/or dispose of equipment at the end of life cycle.

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.

Interpret prints and drawings including mechanical and electrical schematics and pictorials for job specifications, equipment location and diagnostics.

Analyze systems and components for proper installation, operation and efficiency.

Diagnose and facilitate repair to the smallest repairable unit on an air conditioning unit.

Refrigeration Specialist Cert

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,

Analyze, evaluate, troubleshoot, and repair mechanical and electrical control systems to a refrigeration industry entry level standard.

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.

Analyze prints and drawings including mechanical and electrical schematics and pictorials for job specifications, equipment location and diagnostics.

Determine the proper installation requirements and use industry standard practices to layout and install equipment.

Analyze systems and components for proper installation, operation and efficiency.

Diagnose and facilitate repair to the smallest repairable component on a refrigeration unit.

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. The Air Conditioning certificate requires a minimum of 20 units and can be used as a major toward an associate degree. This Certificate and/AS degree provide the basic skills necessary to enter the refrigeration industry with enhanced employability and opportunity through increased options in the Air Conditioning Industry.

Program Requirements

Air Conditioning Spec Cert (Total 20)

Complete all of the following

Residential Air conditioning (Total 10)

Complete all of the following

ACRV122 - Residential Air Conditioning Systems 5

ACRV123 - Residential Air Cond Controls 5

Commercair Air conditioning (Total 10)

Complete all of the following

ACRV222 - Commercial Air Conditioning Controls 5

ACRV223 - Commercial Air Conditioning Systems 5

Recommended Pathway

Nights

Term 1	Credits
Residential Air conditioning ACRV122 - Residential Air Conditioning Systems	5.0
Total Credits	5.0

Term 2	Credits
Residential Air conditioning ACRV123 - Residential Air Cond Controls	5.0
Total Credits	5.0

Term 3	Credits
Commercair Air conditioning ACRV222 - Commercial Air Conditioning Controls	5.0
Total Credits	5.0

Term 4	Credits
Commercair Air conditioning ACRV223 - Commercial Air Conditioning Systems	5.0
Total Credits	5.0

Days and Nights

Term 1	Credits
Residential Air conditioning ACRV122 - Residential Air Conditioning Systems	5.0
Residential Air conditioning ACRV123 - Residential Air Cond Controls	5.0
Total Credits	10.0

Term 2	Credits
Commercair Air conditioning ACRV222 - Commercial Air Conditioning Controls	5.0
Total Credits	5.0

Term 3	Credits
Commercair Air conditioning ACRV223 - Commercial Air Conditioning Systems	5.0
Total Credits	5.0

Program Outcomes

Air Conditioning Spec Cert

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 instru

Analyze, evaluate, troubleshoot, and repair mechanical and electrical control systems to an air conditioning industry entry level standard.

Use Environmental Protection Agency Rule 608 refrigerant handling standards to properly charge, maintain and/or dispose of equipment at the end of life cycle.

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.

Interpret prints and drawings including mechanical and electrical schematics and pictorials for job specifications, equipment location and diagnostics.

Analyze systems and components for proper installation, operation and efficiency.

Diagnose and facilitate repair to the smallest repairable unit on an air conditioning unit.

Air Conditioning Specialist AS

The requirements for an associate degree in Air Conditioning may be satisfied by completing 20 units of required Associate Degree Requirements. Students who complete the associate degree in Air Conditioning 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 HVAC Industry.

Program Requirements

Air Conditioning Specialist AS (Total 20)

Complete all of the following

Air conditioning (Total 20)

Complete the following number of credits: 20

ACRV122 - Residential Air Conditioning Systems 5

ACRV123 - Residential Air Cond Controls 5

ACRV222 - Commercial Air Conditioning Controls 5

ACRV223 - Commercial Air Conditioning Systems 5

Recommended Pathway

General Recommended Sequence

Term 1	Credits
Air conditioning ACRV122 - Residential Air Conditioning Systems	5.0
D1 - Language & Rationality - Communication and Analytical Thinking ENGL101 - College Composition	3.0
Area E - Additional Breadth HD101 - College and Life Management	3.0
Elective General Elective	3.0
Elective General Elective	1.0
Total Credits	15.0
Term 2	Credits
Air conditioning ACRV123 - Residential Air Cond Controls	5.0
D2 - Language & Rationality - Communication and Analytical Thinking Take one of the following:	
BUS113 - Business Communications	3.0
CIS101 - Introduction to Computer Information Science	3.0
CA103 - Introduction to Computer and Digital Technology	3.0
CIS111 - Introduction to Programming & Algorithms	3.0
CIS161 - Introduction to C Programming	3.0
COMM101 - Introduction to Public Speaking	3.0
COMM107 - Introduction to Interpersonal Communication	3.0
COMM109 - Small Group Communication	3.0
COMM112 - Oral Interpretation	3.0
COMM114 - Art of Storytelling	3.0
COMM115 - Introduction to Argumentation and Debate	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0

ENGL102 - Critical Thinking and Literature	3.0
ENGL103 - Critical Thinking and Research	3.0
GEOG201 - Map Interpretation and GPS	4.0
GEOG205 - Introduction to Geographic Information Systems	3.0
MATH110 - Mathematics for Liberal Arts Students	3.0
MATH115 - Statistics	4.0
MATH116 - Introduction to Statistics Using R	4.0
MATH120 - Math for Teachers	3.0
MATH124 - Finite Math	4.0
MATH128 - College Algebra for Liberal Arts	3.0
MATH135 - Plane Trigonometry	3.0
MATH148 - Calculus for Business and Economics	4.0
MATH150 - Calculus and Analytic Geometry	5.0
MATH160 - Calculus and Analytic Geometry	4.0
MATH220 - Linear Algebra	4.0
MATH230 - Introduction to Ordinary Differential Equations	4.0
MATH250 - Calculus and Analytic Geometry	4.0
PHIL101 - Fundamental Reasoning Skills	3.0
PHIL106 - Intro to Philosophy	3.0
PHIL110 - Introduction to Logic	3.0
PHIL201 - Critical Thinking	3.0
MATH140 - Precalculus	4.0
Elective General Elective	3.0
Elective General Elective	3.0
Total Credits	14.0 - 16.0
Term 3	Credits
Air conditioning ACRV222 - Commercial Air Conditioning Controls	5.0

Area B - Social & Behavioral Sciences

Take one of the following:

AJ201 - Police in Society	3.0
AJ204 - Juvenile Procedures	3.0
AJ206 - Criminology	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH103 - Archaeology and World Prehistory	3.0
ANTH112 - Native North Americans	3.0
BUS101 - Introduction to Business	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0
COMM217 - Gender and Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
ECON100 - Survey of Economics	3.0
ECON101 - Principles of Macroeconomics	3.0
ECON102 - Principles of Microeconomics	3.0
ECON110 - Economics of the Underclass	3.0
GEOG105 - Cultural Geography	3.0
GEOG106 - California Geography	3.0
GEOG110 - World Regional Geography	3.0
HIST101 - Western Civilization, Ancient-1750	3.0
HIST102 - Western Civilization, 1750 - Present	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0
HIST107 - U.S. History, 1607-1877	3.0
HIST108 - U.S. History from 1865	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
HIST114 - History of California	3.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0

HIST118 - American West History, 1806-Present	3.0
HIST119 - History of Latin America and the Caribbean	3.0
POLS101 - American Political Institutions	3.0
POLS103 - Comparative Government	3.0
POLS200 - Introduction to Political Theory	3.0
POLS201 - Contemporary International Relations	3.0
POLS202 - Ethnic Politics in America	3.0
POLS203 - The Judicial Process	3.0
PSY101 - General Psychology	3.0
PSY102 - Introduction to Alcohol and Other Drug Studies	3.0
PSY201 - Introduction to Physiological Psychology	3.0
PSY212 - Human Sexuality	3.0
PSY230 - Social Psychology	3.0
PSY232 - Theories of Personality	3.0
PSY233 - Personal and Social Adjustment	3.0
PSY234 - Abnormal Psychology	3.0
PSY235 - Child Psychology	3.0
PSY236 - Developmental Psychology	3.0
SOC101 - Introduction to Sociology	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC112 - American Social Issues: Problems and Challenges	3.0
SOC111 - Issues and Concepts in Aging	3.0
SOC115 - Marriage and Family Life	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
SOC120 - Drugs, Society and Human Behavior	3.0
Area C - Humanities SPAN101 - Elementary Spanish 1	5.0
Elective Take one of the following:	
General Elective	1.0
General Elective	2.0
General Elective	3.0

Total Credits	14.0 - 16.0
Term 4	Credits
Air conditioning ACRV223 - Commercial Air Conditioning Systems	5.0
Area A - Natural Sciences PSCI101 - Physical Science	4.0
Area F -Diversity Studies Take one of the following:	
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH112 - Native North Americans	3.0
BUS212 - Women in Organizations	3.0
CFE116 - Diversity in Early Childhood Education	3.0
COMM114 - Art of Storytelling	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
DFST106 - Introduction to Deaf Education	3.0
ECON110 - Economics of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0

SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Elective General Elective	3.0
Total Credits	15.0

Program Outcomes

AS Air Conditioning Specialist

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 instruct.

Analyze, evaluate, troubleshoot, and repair mechanical and electrical control systems to an air conditioning industry entry level standard.

Use Environmental Protection Agency Rule 608 refrigerant handling standards to properly charge, maintain and/or dispose of equipment at the end of life cycle.

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.

Interpret prints and drawings including mechanical and electrical schematics and pictorials for job specifications, equipment location and diagnostics.

Analyze systems and components for proper installation, operation and efficiency.

Diagnose and facilitate repair to the smallest repairable unit on an air conditioning unit.

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. and applicable EPA mandated regulations in regards to 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

- ACRV112 - Basic Refrigeration Systems 5
- ACRV113 - Basic Refrigeration Controls 5
- ACRV212 - Commercial Refrigeration Systems 5
- ACRV213 - Commercial Refrigeration Controls 5

Recommended Pathway

Term 1 Credits

Refrigeration Specialist Cert

Take one of the following:

- ACRV112 - Basic Refrigeration Systems 5.0
- ACRV113 - Basic Refrigeration Controls 5.0

Refrigeration Specialist Cert

Take one of the following:

- ACRV112 - Basic Refrigeration Systems 5.0
- ACRV113 - Basic Refrigeration Controls 5.0

Total Credits 10.0

Term 2 Credits

- Refrigeration Specialist Cert ACRV212 - Commercial Refrigeration Systems 5.0

Total Credits 5.0

Term 3 Credits

- Refrigeration Specialist Cert ACRV213 - Commercial Refrigeration Controls 5.0

Total Credits 5.0

Nights only Program 2 night a week

Term 1 Credits

- Refrigeration Specialist Cert ACRV112 - Basic Refrigeration Systems 5.0

Total Credits 5.0

Term 2 Credits

- Refrigeration Specialist Cert ACRV113 - Basic Refrigeration Controls 5.0

Total Credits 5.0

Term 3	Credits
Refrigeration Specialist Cert ACRV212 - Commercial Refrigeration Systems	5.0
Total Credits	5.0
Term 4	Credits
Refrigeration Specialist Cert ACRV213 - Commercial Refrigeration Controls	5.0
Total Credits	5.0

Program Outcomes

Refrigeration Specialist Cert

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,

Analyze, evaluate, troubleshoot, and repair mechanical and electrical control systems to a refrigeration industry entry level standard.

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.

Analyze prints and drawings including mechanical and electrical schematics and pictorials for job specifications, equipment location and diagnostics.

Determine the proper installation requirements and use industry standard practices to layout and install equipment.

Analyze systems and components for proper installation, operation and efficiency.

Diagnose and facilitate repair to the smallest repairable component on a refrigeration unit.

Refrigeration Specialist AS

The requirements for an associate degree in Refrigeration may be satisfied by completing 20 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 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.

Program Requirements

Refrigeration Specialist AS (Total 20)

Complete all of the following

Refrigeration (Total 20)

Complete all of the following

- ACRV112 - Basic Refrigeration Systems 5
- ACRV113 - Basic Refrigeration Controls 5
- ACRV212 - Commercial Refrigeration Systems 5
- ACRV213 - Commercial Refrigeration Controls 5

Recommended Pathway

General Recommended Sequence

Term 1	Credits
Refrigeration ACRV112 - Basic Refrigeration Systems	5.0
D1 - Language & Rationality - Communication and Analytical Thinking	3.0
ENGL101 - College Composition	
Area E - Additional Breadth HD101 - College and Life Management	3.0
Elective General Elective	3.0
Total Credits	14.0
Term 2	Credits
Refrigeration ACRV113 - Basic Refrigeration Controls	5.0
Area A -Natural Sciences Take one of the following:	
ELTE101 - Survey of Electronics	4.0
ERSC101 - Introduction to Earth Science	4.0
PHYS101 - Introductory Physics	4.0
D2 - Language & Rationality - Communication and Analytical Thinking Take one of the following:	
BUS113 - Business Communications	3.0
CIS101 - Introduction to Computer Information Science	3.0

CA103 - Introduction to Computer and Digital Technology	3.0	MATH230 - Introduction to Ordinary Differential Equations	4.0
CIS111 - Introduction to Programming & Algorithms	3.0	MATH250 - Calculus and Analytic Geometry	4.0
CIS161 - Introduction to C Programming	3.0	PHIL101 - Fundamental Reasoning Skills	3.0
COMM101 - Introduction to Public Speaking	3.0	PHIL106 - Intro to Philosophy	3.0
COMM107 - Introduction to Interpersonal Communication	3.0	PHIL110 - Introduction to Logic	3.0
COMM109 - Small Group Communication	3.0	PHIL201 - Critical Thinking	3.0
COMM112 - Oral Interpretation	3.0	MATH140 - Precalculus	4.0
COMM114 - Art of Storytelling	3.0	Elective General Elective	3.0
COMM115 - Introduction to Argumentation and Debate	3.0	Total Credits	15.0 - 17.0
COMM217 - Gender and Communication	3.0	Term 3	Credits
COMM219 - Introduction to Intercultural Communication	3.0	Refrigeration ACRV212 - Commercial Refrigeration Systems	5.0
ENGL102 - Critical Thinking and Literature	3.0	Area C - Humanities SPAN101 - Elementary Spanish 1	5.0
ENGL103 - Critical Thinking and Research	3.0	Elective General Elective	3.0
GEOG201 - Map Interpretation and GPS	4.0	Elective General Elective	3.0
GEOG205 - Introduction to Geographic Information Systems	3.0	Total Credits	16.0
MATH110 - Mathematics for Liberal Arts Students	3.0	Term 4	Credits
MATH115 - Statistics	4.0	Refrigeration ACRV213 - Commercial Refrigeration Controls	5.0
MATH116 - Introduction to Statistics Using R	4.0	Area B - Social & Behavioral Sciences	
MATH120 - Math for Teachers	3.0	Take one of the following:	
MATH124 - Finite Math	4.0	AJ201 - Police in Society	3.0
MATH128 - College Algebra for Liberal Arts	3.0	AJ204 - Juvenile Procedures	3.0
MATH135 - Plane Trigonometry	3.0	AJ206 - Criminology	3.0
MATH148 - Calculus for Business and Economics	4.0	ANTH102 - Introduction to Cultural Anthropology	3.0
MATH150 - Calculus and Analytic Geometry	5.0	ANTH103 - Archaeology and World Prehistory	3.0
MATH160 - Calculus and Analytic Geometry	4.0	ANTH112 - Native North Americans	3.0
MATH220 - Linear Algebra	4.0	ANTH140 - Intro to Archaeology	4.0
		BUS101 - Introduction to Business	3.0
		CFE102 - The Developing Child-Child Growth and Development	3.0
		COMM217 - Gender and Communication	3.0
		DFST105 - Introduction to American Deaf Culture	3.0
		ECON100 - Survey of Economics	3.0

ECON101 - Principles of Macroeconomics	3.0	PSY212 - Human Sexuality	3.0
ECON102 - Principles of Microeconomics	3.0	PSY230 - Social Psychology	3.0
ECON110 - Economics of the Underclass	3.0	PSY232 - Theories of Personality	3.0
GEOG105 - Cultural Geography	3.0	PSY233 - Personal and Social Adjustment	3.0
GEOG106 - California Geography	3.0	PSY234 - Abnormal Psychology	3.0
GEOG110 - World Regional Geography	3.0	PSY235 - Child Psychology	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	PSY236 - Developmental Psychology	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC101 - Introduction to Sociology	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC110 - Ethnic Relations	3.0
HIST107 - U.S. History, 1607-1877	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
HIST108 - U.S. History from 1865	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST110 - African-American History, 1450-1877	3.0	SOC115 - Marriage and Family Life	3.0
HIST111 - African-American History, 1877-Present	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST113 - Women in American History	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST114 - History of California	3.0	Elective General Elective	3.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0	Area F -Diversity Studies Take one of the following:	
HIST118 - American West History, 1806-Present	3.0	ANTH102 - Introduction to Cultural Anthropology	3.0
HIST119 - History of Latin America and the Caribbean	3.0	ANTH112 - Native North Americans	3.0
POLS101 - American Political Institutions	3.0	BUS212 - Women in Organizations	3.0
POLS103 - Comparative Government	3.0	CFE116 - Diversity in Early Childhood Education	3.0
POLS200 - Introduction to Political Theory	3.0	COMM114 - Art of Storytelling	3.0
POLS201 - Contemporary International Relations	3.0	COMM217 - Gender and Communication	3.0
POLS202 - Ethnic Politics in America	3.0	COMM219 - Introduction to Intercultural Communication	3.0
POLS203 - The Judicial Process	3.0	DFST105 - Introduction to American Deaf Culture	3.0
PSY101 - General Psychology	3.0	DFST106 - Introduction to Deaf Education	3.0
PSY102 - Introduction to Alcohol and Other Drug Studies	3.0	ECON110 - Economics of the Underclass	3.0
PSY201 - Introduction to Physiological Psychology	3.0	ENGL253 - African American Literature	3.0
		ENGL256 - Latinx Literature	3.0
		ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
		ENGL259 - Gender, Image, and Rhetoric	3.0
		FTV201 - Intercultural & Women's Film	3.0

FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Total Credits	14.0 - 15.0

Program Outcomes

AS Refrigeration Specialist

Install, analyze, diagnose and repair refrigeration equipment using proper handtools, meters, gauges and test instruments.

Demonstrate proper refrigerant handling techniques in recovery, recycling and reclamation when installing, repairing and removing refrigeration equipment.

Analyze systems and components for proper installation, operation and efficiency.

Analyze prints and drawings including mechanical and electrical schematics and pictorials for job specifications, equipment location and diagnostics.

Diagnose and facilitate repair to the smallest repairable unit on a refrigeration unit.

Basic Refrigeration Systems

ACRV112:

5.0 Units

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)

Basic Refrigeration Controls

ACRV113:

5.0 Units

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)

Residential Air Conditioning Systems

ACRV122:

5.0 Units

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)

Residential Air Conditioning

Controls

ACRV123:

5.0 Units

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)

Occupational Work Experience

ACRV199:

8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Commercial Refrigeration Systems

ACRV212:

5.0 Units

Prerequisite: Completion of ACRV 112 and 113 or ACRV 115. 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 "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)

Commercial Refrigeration Controls

ACRV213:

5.0 Units

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)

Commercial Air Conditioning

Controls

ACRV222:

5.0 Units

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)

Commercial Air Conditioning Systems

ACRV223:

5.0 Units

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)

Aircraft Fabrication & Assembly

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.

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 Certification (Total 19)

AFAB210 - Aircraft Production Systems 4
 AFAB215 - Adv. Aircraft Sheetmetal&Comp. 8
 AFAB220 - Advanced Composite Fabrication 7

Recommended Pathway

Advanced Aircraft Structures Certification

Block 1 & 2	Credits
Advanced Aircraft Structures Certification	
AFAB210 - Aircraft Production Systems	4.0
Advanced Aircraft Structures Certification	
AFAB215 - Adv. Aircraft Sheetmetal&Comp.	8.0
Advanced Aircraft Structures Certification	
AFAB220 - Advanced Composite Fabrication	7.0
Total Credits	19.0

Program Outcomes

Advanced Aircraft Structures Certification

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

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. Career Options: Basic Aircraft Assembler Composite Fabricator General Mechanic/Electrical Technician Multi-skilled Composite/Low Observable Technician

Program Requirements

Aircraft Fab & Assem Cert (Total 26)

AFAB110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation 3
 AFAB115 - Aircraft Structures 8
 AFAB120 - Composites Fabrication and Repair 7
 AFAB130 - Aerospace Ethics and Issues 4
 AFAB210 - Aircraft Production Systems 4

Recommended Pathway

Term 1	Credits
Aircraft Fab & Assem Cert AFAB110 -	
Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation	3.0
Aircraft Fab & Assem Cert AFAB115 -	
Aircraft Structures	8.0
Aircraft Fab & Assem Cert AFAB120 -	
Composites Fabrication and Repair	7.0
Total Credits	18.0

Term 2	Credits
Aircraft Fab & Assem Cert AFAB130 - Aerospace Ethics and Issues	4.0
Aircraft Fab & Assem Cert AFAB210 - Aircraft Production Systems	4.0
Total Credits	8.0

Program Outcomes

Aircraft Fab & Assem Cert

Plan, design, and construct aircraft structures to industry standards using sheet metal and composites materials.

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.

Assure that actions and decisions are based on ethical work practices and human factors directly related to proficiency level degradation in the work environment.

Use, read, and interpret industry standard blueprints to construct aircraft components.

Aircraft Fabrication & 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.) 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 AS (Total 26)

Complete the following number of credits: 26

- AFAB110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation 3
- AFAB115 - Aircraft Structures 8
- AFAB120 - Composites Fabrication and Repair 7
- AFAB130 - Aerospace Ethics and Issues 4
- AFAB210 - Aircraft Production Systems 4

Recommended Pathway

Term 1	Credits
Aircraft Fabrication & Assembly AS	
AFAB110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation	3.0
Aircraft Fabrication & Assembly AS	
AFAB115 - Aircraft Structures	8.0
Aircraft Fabrication & Assembly AS	
AFAB120 - Composites Fabrication and Repair	7.0
Total Credits	18.0
Term 2	Credits
Aircraft Fabrication & Assembly AS	
AFAB130 - Aerospace Ethics and Issues	4.0
B-1 Physical Sciences CHEM101 - Introductory Chemistry	5.0
D. Social Sciences POLS101 - American Political Institutions	3.0
D. Social Sciences Take one of the following:	
HIST107 - U.S. History, 1607-1877	3.0
HIST108 - U.S. History from 1865	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
A-2 Written Communication ENGL101 - College Composition	3.0
Total Credits	18.0
Term 3	Credits
Aircraft Fabrication & Assembly AS	
AFAB210 - Aircraft Production Systems	4.0
A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
Area C - Humanities Take one of the following:	

ART100 - Art Appreciation	3.0	ENGL242 - Narrative and Culture	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0	ENGL253 - African American Literature	3.0
ART102 - History of Art, Renaissance to Modern	3.0	ENGL256 - Latinx Literature	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
ART106 - History of Art: Asia	3.0	ENGL265 - Film: Text and Context	3.0
ART110 - Drawing	3.0	ENGL279 - Science Fiction and Dystopian Literature	3.0
ART113 - Painting I	3.0	FREN203 - Advanced French	3.0
ART120 - Introduction to Printmaking	3.0	FTV101 - Introduction to Film	3.0
ART132 - Introduction to Ceramics: Hand-Building	3.0	FTV103 - Introduction to Television	3.0
ART135 - Beginning Wheel-Thrown Ceramics	3.0	FTV107 - History of Film, Pre 1950	3.0
ART136 - Intermediate Wheel-Thrown Ceramics	3.0	FTV108 - History of Film, 1950-Present	3.0
ART137 - Advanced Wheel-Thrown Ceramics	3.0	FTV201 - Intercultural & Women's Film	3.0
ART140 - Watercolor	3.0	FTV203 - African-American Cinema	3.0
ART145 - 2-D Design Basics	3.0	MUS101 - Music Appreciation	3.0
ART150 - 3-D Design Basics	3.0	MUS105 - World Music	3.0
ART210 - Drawing III	3.0	MUS111 - Fundamentals of Music (Music Theory I)	3.0
ART213 - Painting III	3.0	MUS151 - Music Theory II	3.0
COMM112 - Oral Interpretation	3.0	MUS251A - Music Theory III	3.0
COMM114 - Art of Storytelling	3.0	MUS251B - Music Theory IV	3.0
DA101 - Dance Appreciation	3.0	MUSC102 - History of Jazz	3.0
DFST105 - Introduction to American Deaf Culture	3.0	MUSC103 - History of Rock 'n Roll	3.0
DFST106 - Introduction to Deaf Education	3.0	MUSC107 - History of Women in Rock Music	3.0
ENGL102 - Critical Thinking and Literature	3.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
ENGL111 - Creative Writing: Fiction	3.0	PHIL106 - Intro to Philosophy	3.0
ENGL112 - Creative Writing: Poetry	3.0	PHIL108 - Philosophy of Religion	3.0
ENGL221 - American Literature 1400-1865	3.0	PHIL109 - World Religions	3.0
ENGL222 - American Literature 1865-Present	3.0	PHOT107 - History of Photography	3.0
ENGL225 - English Literature, 800-1750	3.0	PHTC101 - Beginning Black and White Photography	3.0
ENGL227 - English Literature, 1750-Present	3.0	PHTC150 - Beginning Color Photography	3.0
ENGL230 - World Literature 1	3.0	PHTC201 - Advanced Black and White Photography	3.0
ENGL231 - World Literature 2	3.0	THA101 - Introduction to Theatre	3.0
ENGL235 - Shakespeare and Culture	3.0	THA102 - Introduction to Stagecraft	3.0

THA103 - Introduction to Stage Lighting	3.0	ART102 - History of Art, Renaissance to Modern	3.0
THA110 - Fundamentals of Acting	3.0	ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
THA133 - Makeup for the Stage	3.0	ART104 - History of Modern and Contemporary Art in the 20th Century	3.0
THA225 - Script Analysis	3.0	ART106 - History of Art: Asia	3.0
THA239 - Intercultural and Women's Theatre	3.0	ART110 - Drawing	3.0
Area E -Additional Breadth Take one of the following:		ART113 - Painting I	3.0
Course utilized from AREA A, B, C, or D2	3.0	ART120 - Introduction to Printmaking	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0	ART132 - Introduction to Ceramics: Hand-Building	3.0
COMM107 - Introduction to Interpersonal Communication	3.0	ART135 - Beginning Wheel-Thrown Ceramics	3.0
COMM219 - Introduction to Intercultural Communication	3.0	ART136 - Intermediate Wheel-Thrown Ceramics	3.0
DFST105 - Introduction to American Deaf Culture	3.0	ART137 - Advanced Wheel-Thrown Ceramics	3.0
HD101 - College and Life Management	3.0	ART140 - Watercolor	3.0
HD102 - Soldiers to Scholars	3.0	ART145 - 2-D Design Basics	3.0
HD105 - Personal Development	3.0	ART150 - 3-D Design Basics	3.0
HE120 - Stress Management	3.0	ART210 - Drawing III	3.0
KINT100 - Introduction to Kinesiology	3.0	ART213 - Painting III	3.0
LIB107 - Information Literacy	3.0	COMM112 - Oral Interpretation	3.0
NF100 - Nutrition	3.0	COMM114 - Art of Storytelling	3.0
NF102 - Nutrition and Food for Children	3.0	DA101 - Dance Appreciation	3.0
NF103 - Principles of Food Preparation	3.0	DFST105 - Introduction to American Deaf Culture	3.0
NF110 - Sports Nutrition	3.0	DFST106 - Introduction to Deaf Education	3.0
NF150 - Food and Culture	3.0	ENGL102 - Critical Thinking and Literature	3.0
PSY212 - Human Sexuality	3.0	ENGL111 - Creative Writing: Fiction	3.0
SOC111 - Issues and Concepts in Aging	3.0	ENGL112 - Creative Writing: Poetry	3.0
SOC116 - Sociology of Gender and Sexuality	3.0	ENGL221 - American Literature 1400-1865	3.0
Total Credits	13.0	ENGL222 -American Literature 1865-Present	3.0
Term 4	Credits	ENGL225 - English Literature, 800-1750	3.0
D2 - Language & Rationality - Communication and Analytical Thinking	3.0	ENGL227 - English Literature, 1750-Present	3.0
MATH135 - Plane Trigonometry		ENGL230 - World Literature 1	3.0
D. Social Sciences PSY101 - General Psychology	3.0	ENGL231 - World Literature 2	3.0
Area C - Humanities Take one of the following:		ENGL235 - Shakespeare and Culture	3.0
ART100 - Art Appreciation	3.0	ENGL242 - Narrative and Culture	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0	ENGL253 - African American Literature	3.0

ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
ENGL265 - Film: Text and Context	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0
FREN203 - Advanced French	3.0
FTV101 - Introduction to Film	3.0
FTV103 - Introduction to Television	3.0
FTV107 - History of Film, Pre 1950	3.0
FTV108 - History of Film, 1950-Present	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HIST115 - Cultural History of Mexico	3.0
MUS101 - Music Appreciation	3.0
MUS105 - World Music	3.0
MUS111 - Fundamentals of Music (3.0
MUS151 - Music Theory II	3.0
Total Credits	12.0

Program Outcomes

AS Aircraft Fabrication&Assembly

Plan, design, and construct aircraft structures to industry standards using sheet metal and composites materials.

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.

Use, read, and interpret industry standard blueprints to construct aircraft components.

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 LCert

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 LCert (Total 15)

Complete the following number of credits: 15

- AFAB110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation 3
- AFAB115 - Aircraft Structures 8
- AFAB130 - Aerospace Ethics and Issues 4

Recommended Pathway

Term 1	Credits
Blueprints & Structures LCert AFAB110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation	3.0
Blueprints & Structures LCert AFAB115 - Aircraft Structures	8.0
Blueprints & Structures LCert AFAB130 - Aerospace Ethics and Issues	4.0
Total Credits	15.0

Program Outcomes

Blueprints & Structures LCert

Plan, design, and construct aircraft structures and blueprints to industry standards using sheet metal and composites materials.

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.

Analyze, evaluate and summarize the aviation/aerospace arena and various aircraft case study outcomes.

Advanced Aircraft Structures Certification

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 Fab & Assem Cert

Plan, design, and construct aircraft structures to industry standards using sheet metal and composites materials.

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.

Assure that actions and decisions are based on ethical work practices and human factors directly related to proficiency level degradation in the work environment.

Use, read, and interpret industry standard blueprints to construct aircraft components.

Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation

AFAB110:

3.0 Units

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. Classroom lecture and hands-on practice in reading and interpreting actual blueprints and manufacturing documentation. (AVC)

Aircraft Structures

AFAB115:

8.0 Units

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)

Composites Fabrication and Repair

AFAB120:

7.0 Units

Prerequisites: Completion 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)

Aerospace Ethics and Issues

AFAB130:

4.0 Units

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)

Pneudraulics

AFAB140:

2.0 Units

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)

Surface Preparation and Material Applications

AFAB150:

7.0 Units

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)

Aircraft Production Systems

AFAB210:

4.0 Units

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)

Advanced Aircraft Sheetmetal & Composite Structures

AFAB215:

8.0 Units

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)

Advanced Composite Fabrication, Assembly, and Repair

AFAB220:

7.0 Units

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)

Airframe Manufacturing Technology

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:

Completion of the Aircraft Fabrication & Assembly Technician (AFAB) associate degree/course sequence or noted equivalent Aeronautical and Aviation Technology courses and AFAB 130 and AFAB 210.

Completion of the general education requirements for the CSU system, including:

CHEM 101, Introductory Chemistry 5
COMM 101, Introduction to Public Speaking 3
ENGL 101, College Composition 3
ENGL 115, Intro to Technical Communication 3
PSY 101, General 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.

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).

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:

Refer to announcements on the AVC website for updated enrollment information. All items in the application process are extremely important. Students who omit any part of the required information or miss the deadline will be dropped from consideration for the Airframe Manufacturing Technology Program. Only official

documents will be accepted. Faxed documents are not official and are not accepted.

1. Complete an Application for Enrollment form.
2. Complete the AFMT Rubric - Student Questionnaire form.
3. Attach official college transcripts for all post-secondary institutions attended, including Antelope Valley College. If you have Advance Placement (AP) credits, an official transcript must also be included. "Official" college transcripts must be submitted in a sealed envelope that has not been opened by the student. One set of transcripts is to be turned in with your application and one set must also be on file with the AVC transcript office.
4. Attach a copy of your updated Education Plan and Evaluation Form completed by one of the AVC Counselors or Advisors assigned to the AFMT program. Visit www.avc.edu/academics/afmt for the list. Appointments should only be made with the assigned personnel and can be made through email at counseling@avc.edu or by calling (661) 722-6300 ext. 6338. Students should request an appointment minimum of two weeks prior to the application deadline.
5. Submit items 1 through 4 to the Career Technical Education division office, Enterprise Lab, Room 129. Items 1 through 4 are considered your "application packet". You may also mail your application packet to: Antelope Valley College, Attn: Rosie Heasley, 3041 W. Avenue K, Lancaster, CA 93536.

For the most current program information, including forms please visit us at www.avc.edu/academics/afmt.

Screening Procedures:

Beginning summer 2024, student eligibility for admission to the program will be determined by multi-screening criteria. Applications are accepted once a year during the designated application period only. Cohorts are admitted annually in the fall semester. Refer to announcements on the AVC website for updated enrollment information and important dates. The number of students enrolled into the program is limited to 18 students per year. Students are advised of eligibility to enroll in AFMT program by electronic mail. Incomplete packets will not be considered.

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.

Program Requirements

Airframe Manufacturing Tech BS (Total 122 - 126.5)

Complete all of the following

Program Prerequisites (Total 50 - 54.5)

Complete all of the following

Program Prerequisites (Total 3 - 7.5)

Complete the following number of credits: 3-7.5

AFAB110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation 3

AERO121 - Aircraft General II 7.5

Program Prerequisite (Total 15)

Complete the following number of credits: 15

Complete both courses 15

AFAB115 - Aircraft Structures 8

AFAB120 - Composites Fabrication and Repair 7

or (Total 15)

Complete the following number of credits: 15

AERO230 - Aircraft Airframe I 15

Program Prerequisites (Total 32)

Complete all of the following

AFAB130 - Aerospace Ethics and Issues 4

AFAB210 - Aircraft Production Systems 4

CHEM101 - Introductory Chemistry 5

COMM101 - Introduction to Public Speaking 3

ENGL101 - College Composition 3

ENGL115 - Intro to Technical Communication 3

MATH135 - Plane Trigonometry 3

PHYS101 - Introductory Physics 4

PSY101 - General Psychology 3

Required Courses (Total 69)

Complete all of the following

AFMT310 - Safety in Aviation 3

AFMT320 - Lean Management (Six Sigma/5S) 3

AFMT330 - Airframe Manufacturing Producibility 3

AFMT340 - Theory of Low Observables 3

AFMT341 - Manufacturing Testing and Inspection 6

AFMT345 - Airframe Composite Manufacturing I 6

AFMT350 - Airframe Manufacturing Capstone I 2

AFMT442 - Foreign Object Elimination (FOE) and Migration Paths 3

AFMT446 - Airframe Composite Manufacturing II 6

AFMT451 - Airframe Manufacturing Capstone II 4

BIOL304 - A Survey of Emerging and Reemerging Infectious Diseases 3

ELTE105 - Introduction to Robotics 3

POLS101 - American Political Institutions 3

ENGL315 - Applied Technical Writing 3

ENGR140 - Engineering 3D Graphics 3

PSCI302 - Introduction to Quantitative Atmospheric Dynamics and Thermodynamics 3

PSY301 - Organizational Behavioral Psychology 3

CSU area C 6

CSU GE Area E 3

Required History Courses CSU Area D - Choose One (Total 3)

Complete the following number of credits: 3

HIST107 - U.S. History, 1607-1877 3

HIST108 - U.S. History from 1865 3

HIST110 - African-American History, 1450-1877 3

HIST111 - African-American History, 1877-Present 3

Recommended Pathway

First Semester

Credits

Program Prerequisites Take one of the following:

AFAB110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation 3.0

AERO121 - Aircraft General II 7.5

Program Prerequisites AFAB130 - Aerospace Ethics and Issues 4.0

Program Prerequisites COMM101 - Introduction to Public Speaking 3.0

Program Prerequisites ENGL101 - College Composition 3.0

Required Courses POLS101 - American Political Institutions	3.0
Total Credits	16.0 - 20.5
Second Semester Credits	
Program Prerequisite Take one of the following:	
Complete both courses	15.0
AERO230 - Aircraft Airframe I	15.0
Program Prerequisites PSY101 - General Psychology	3.0
Required Courses CSU GE Area E	3.0
Total Credits	21.0
Third Term Credits	
Program Prerequisites AFAB210 - Aircraft Production Systems	4.0
Program Prerequisites MATH135 - Plane Trigonometry	3.0
Program Prerequisites PHYS101 - Introductory Physics	4.0
Required Courses CSU area C	6.0
Total Credits	17.0
Fourth Semester Credits	
Program Prerequisites CHEM101 - Introductory Chemistry	5.0
Program Prerequisites ENGL115 - Introduction to Technical Communication	3.0
Required History Courses CSU Area D - Choose One Take one of the following:	
HIST107 - U.S. History, 1607-1877	3.0
HIST108 - U.S. History from 1865	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
Total Credits	11.0
Fifth Semester Credits	
Required Courses BIOL304 - A Survey of Emerging and Remerging Infectious Diseases	3.0
Required Courses ENGL315 - Applied Technical Writing	3.0

Required Courses PSCI302 - Introduction to Quantitative Atmospheric Dynamics and Thermodynamics	3.0
Required Courses PSY301 - Organizational Behavioral Psychology	3.0
Total Credits	12.0
Sixth Semester Credits	
Required Courses AFMT310 - Safety in Aviation	3.0
Required Courses AFMT320 - Lean Management (Six Sigma/5S)	3.0
Required Courses AFMT330 - Airframe Manufacturing Producibility	3.0
Required Courses ELTE105 - Introduction to Robotics	3.0
Required Courses ENGR140 - Engineering 3D Graphics	3.0
Total Credits	15.0
Seventh Semester Credits	
Required Courses AFMT340 - Theory of Low Observables	3.0
Required Courses AFMT341 - Manufacturing Testing and Inspection	6.0
Required Courses AFMT345 - Airframe Composite Manufacturing I	6.0
Required Courses AFMT350 - Airframe Manufacturing Capstone I	2.0
Total Credits	17.0
Eighth Semester Credits	
Required Courses AFMT442 - Foreign Object Elimination (FOE) and Migration Paths	3.0
Required Courses AFMT446 - Airframe Composite Manufacturing II	6.0
Required Courses AFMT451 - Airframe Manufacturing Capstone II	4.0
Total Credits	13.0

Program Outcomes

BS Airframe Manufacturing Tech

Analyze and evaluate critical aspects of the aerospace manufacturing industries related to the planning design of plant facilities, which ensures both production efficiency and safe work practices/environment that ensure quality of production work.

Assess and evaluate composite tooling requirements to ensure quality and efficiently for manufactured parts.

Recognize engineering requirements in order to set-up and prepare facilities and workflow from the perspective of engineering needs and requirements as well as the needs and requirements of the technicians.

Produce an actual or simulated improvement plan to eliminate waste, production inefficiencies, and poor facility design using pertinent and statistical process control data.

Safety in Aviation

AFMT310:

3.0 Units

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. (AVC)

Lean Management (Six Sigma/5S)

AFMT320:

3.0 Units

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. (AVC)

Airframe Manufacturing Producibility

AFMT330:

3.0 Units

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. (AVC)

Theory of Low Observables

AFMT340:

3.0 Units

Limitation on Enrollment: Must be selected as part of the AFMT BS Degree cohort to take this course. 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. (AVC)

Manufacturing Testing and Inspection

AFMT341:

6.0 Units

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. (AVC)

Airframe Composite Manufacturing

I

AFMT345:

6.0 Units

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. (AVC)

Airframe Manufacturing Capstone I

AFMT350:

2.0 Units

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. (AVC)

Foreign Object Elimination (FOE) and Migration Paths

AFMT442:

3.0 Units

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. (AVC)

Airframe Composite Manufacturing II

AFMT446:

6.0 Units

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. (AVC)

Airframe Manufacturing Capstone II

AFMT451:

4.0 Units

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. (AVC)

A Survey of Emerging and Remerging Infectious Diseases

BIOL304:

3.0 Units

Limitation on Enrollment: Must be selected as part of the AFMT BS Degree cohort to take this course. Prerequisite: Completion of 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)

Applied Technical Writing

ENGL315:

3.0 Units

Limitation on Enrollment: Must be selected as part of the AFMT BS Degree cohort 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. (AVC)

Introduction to Quantitative Atmospheric Dynamics and Thermodynamics

PSCI302:

3.0 Units

Limitation on Enrollment: Must be selected as part of the AFMT BS Degree cohort 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 the cyclones, anticyclones, hurricanes, weather fronts, mesoscale disturbances, severe storms, tornadoes, sea and land breezes, atmospheric boundary layer and turbulence. Insight into these mechanism will be gained through the use of spread sheet based calculations by allowing relationships to be studied by plotting the data graphically and then explaining the meaning of those relationship 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. (AVC)

Organizational Behavioral Psychology

PSY301:

3.0 Units

Limitation on Enrollment: Must be selected as part of the AFMT BS Degree cohort to take this course. Prerequisite: Completion of PSY 101. 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)

Anthropology

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.

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 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 Anthropology for Transfer (AA-T in Anthropology) degree a student must complete the following: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education---Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined

by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is 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.

Program Requirements

Anthropology AA-T (Total 20 - 22)

Complete all of the following

Required Courses (Total 10)

Complete the following number of credits: 10

ANTH101 - Intro Biological Anthropology 3

ANTH102 - Intro Cultural Anthropology 3

ANTH140 - Intro to Archaeology 4

Required Electives Group A (Total 4)

Complete the following number of credits: 4

MATH115 - Statistics 4

Required Electives B (Total 3 - 5)

Complete the following number of credits: 3-5

Either choose 1 of these courses (Total 3 - 4)

Complete the following number of credits: 3-4

BIOL201 - General Human Anatomy 4

GEOG205 - Intro Geographic Info Systems 3

if neither of the above courses are selected, then both of the courses below must be taken (Total 4)

Complete all of the following

GEOL101 - Physical Geology 3

GEOL101L - Physical Geology Lab 1

Required Electives C (Total 3)

Complete the following number of credits: 3

Any course from List A or B not already used. 0

ANTH112 - Native North Americans 3

ANTH101L - Biological Anthropology Lab 1

ANTH103 - Archaeology & World Prehistory 3

ANTH110 Latin American Cultures 3

Program Outcomes

AA-T Anthropology

Demonstrate understanding of the processes of science, the scientific method, and the relationship between scientific research and established knowledge;

Clearly express self when writing or speaking about anthropology demonstrating knowledge of basic anthropological terminology and understanding major anthropological concepts.

Evaluate anthropological data, draw reasonable conclusions, recognize ethical implications of these conclusions and apply these conclusions to personal, community and scientific problems.

Recognize and appreciate what it means to be human and how ethnographic, archaeological, and biological knowledge contribute to that understanding.

Utilize appropriate fieldwork techniques for anthropology.

Introduction to Biological Anthropology

ANTH101:

3.0 Units

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) (GE: IGETC Area 5B, CSU Area B2, AVC Area A)

Biological Anthropology Lab

ANTH101L:

1.0 Units

Corequisite: Completion of or concurrent enrollment in ANTH 101. 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) (GE: IGETC Area 5C, CSU Area B3, AVC Area A)

Introduction to Cultural Anthropology

ANTH102:

3.0 Units

This course provides an introduction to how anthropologists study and compare human culture. It provides a holistic framework for understanding cultural difference, both in the past and in the modern world. Emphasis is placed on identifying the fundamental characteristics shared by all human cultures and developing an understanding of the significance of both similarities and differences in cultural expression. Central issues include: 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. An appreciation of the significance of cultural and ethnic diversity is stressed, as well as understanding ethnocentrism as a barrier to cross-cultural understanding. 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. 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) (GE: IGETC Area 4A, CSU Area D1, AVC Areas B, F)

Archaeology and World Prehistory

ANTH103:

3.0 Units

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) (GE: IGETC Area 4A, CSU Area D1, AVC Area B)

Latin American Cultures

ANTH110:

3.0 Units

This course is an overview of Latin American culture and societies from prehistoric times to the present.

Archaeology, ethnohistory, ethnography, and linguistics are used to understand diverse cultural adaptations to the varied landscapes of Latin America by societies such as the Maya, Mexica (Aztec), and Inca. (UC, CSU, AVC) (GE: IGETC Area 4, CSU Area D)

Ethnic Studies: Native North

Americans

ANTH112:

3.0 Units

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) (GE: IGETC Area 4A, CSU Area D, AVC Areas B, F)

Introduction to Archaeology

ANTH140:

4.0 Units

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 archaeological field 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) (GE: IGETC Area 4, CSU Area D1, AVC Area B)

Work Experience

ANTH199:

8.0 Units

Art

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.

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 degree a student must complete the following: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education---Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Program Requirements

Art History AA-T (Total 18)

Complete all of the following Required Courses (Total 9)

Complete the following number of credits: 9

ART101 - History of Art, Prehistoric to Gothic 3

ART102 - History of Art, Renaissance to Modern 3

ART110 - Drawing 3

Required Electives A (Total 3)

Complete the following number of credits: 3

ART103 - History of Art: Africa, Oceania and Indigenous North America 3

ART106 - History of Art: Asia 3

Required Electives B (Total 3)

Complete the following number of credits: 3

ART113 - Painting I 3

ART121 - Digital Art and Drawing 3

ART135 - Beginning Wheel-Thrown Ceramics 3

ART137 - Advanced Wheel-Thrown Ceramics 3

ART145 - 2-D Design Basics 3

ART150 - 3-D Design Basics 3

ART213 - Painting III 3

ART216 - Figure Drawing 3

PHTC101 - Beginning Black & White Photography 3

Required Electives C (Total 3)

Complete the following number of credits: 3

OR Any LIST A or B course not already used 0

ANTH102 - Introduction to Cultural Anthropology 3

ANTH103 - Archaeology and World Prehistory 3

ART104 - History of Modern and Contemporary Art in the 20th Century 3

COMM217 - Gender and Communication 3

ENGL230 - World Literature 1 3

DA101 - Dance Appreciation 3

FREN101 - Elementary French 1 5

FTV203 - African-American Cinema 3

GER101 - Elementary German 1 5

HIST101 - Western Civilization, Ancient-1750 3

HIST113 - Women in American History 3

HIST115 - Cultural History of Mexico 3

MUS101 - Music Appreciation 3

PHIL108 - Philosophy of Religion 3

PHIL109 - World Religions 3

PHOT107 - History of Photography 3

POLS202 - Ethnic Politics in America 3

THA101 - Introduction to Theatre 3

Recommended Pathway**Term 1 Credits**

Required Courses ART101 - History of Art, Prehistoric to Gothic 3.0

A-1 Oral Communication Take one of the following:

COMM101 - Introduction to Public Speaking 3.0

A-2 Written Communication**Take one of the following:**

ENGL101 - College Composition 3.0

B-4 Mathematics/Quantitative Reasoning**Take one of the following:**

MATH110 - Mathematics for Liberal Arts Students 3.0

MATH115 - Statistics 4.0

MATH116 - Introduction to Statistics Using R 4.0

MATH120 - Math for Teachers 3.0

MATH124 - Finite Math 4.0

MATH128 - College Algebra for Liberal Arts 3.0

MATH135 - Plane Trigonometry 3.0

MATH140 - Precalculus 4.0

MATH148 - Calculus for Business and Economics 4.0

MATH150 - Calculus and Analytic Geometry 5.0

MATH160 - Calculus and Analytic Geometry 4.0

MATH220 - Linear Algebra 4.0

MATH230 - Introduction to Ordinary Differential Equations 4.0

MATH250 - Calculus and Analytic Geometry 4.0

Any CSU GE Area B-4 3.0

E. Lifelong Learning and Self-Development**Take one of the following:**

CFE102 - The Developing Child 3.0

COMM107 - Introduction to Interpersonal Communication 3.0

DA108 - Dance Ensemble 3.0

DA111 - Choreography 3.0

HD101 - College and Life Management 3.0

HD102 - Soldiers to Scholars 3.0

HD105 - Personal Development 3.0

HE101 - Health Education 3.0

HE120 - Stress Management 3.0

NF100 - Nutrition 3.0

NF103 - Principles of Food Preparation 3.0

NF150 - Food and Culture 3.0

PSY212 - Human Sexuality 3.0

PSY236 - Developmental Psychology 3.0

SOC111 - Issues and Concepts in Aging 3.0

SOC116 - Sociology of Gender and Sexuality 3.0

SOC120 - Drugs, Society and Human Behavior 3.0

Any CSU GE Area E 3.0

Total Credits 15.0 - 17.0

Term 2 Credits

Required Courses ART102 - History of Art, Renaissance to Modern 3.0

Required Courses ART110 - Drawing 3.0

Required Electives A Take one of the following:

ART103 - History of Art: Africa, Oceania and Indigenous North America 3.0

ART106 - History of Art: Asia 3.0

A-3 Critical Thinking Take one of the following:

COMM110 - Persuasion 3.0

COMM115 - Introduction to Argumentation and Debate 3.0

ENGL102 - Critical Thinking and Literature 3.0

ENGL103 - Critical Thinking and Research 3.0

PHIL101 - Fundamental Reasoning Skills 3.0

PHIL106 - Introduction to Philosophy 3.0

PHIL110 - Introduction to Logic 3.0

PHIL201 - Critical Thinking 3.0

Any CSU GE Area A-3 3.0

C-2 Humanities Take one of the following:

CHIN101 - Elementary Chinese I 5.0

CHIN102 - Elementary Chinese 2	5.0	GER101 - Elementary German 1	5.0
CHIN201 - Intermediate Chinese	5.0	GER102 - Elementary German 2	5.0
CHIN202 - Intermediate Chinese	5.0	GER201 - Intermediate German 1	4.0
COMM112 - Oral Interpretation	3.0	GER202 - Intermediate German 2	4.0
COMM217 - Gender and Communication	3.0	HIST101 - Western Civilization, Ancient-1750	3.0
COMM219 - Introduction to Intercultural Communication	3.0	HIST102 - Western Civilization, 1750 - Present	3.0
DFST101 - American Sign Language I	4.0	HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
DFST102 - American Sign Language II	4.0	HIST105 - Introduction to World Civilization, 1500 - Present	3.0
DFST201 - American Sign Language III	4.0	HIST107 - U.S. History, 1607-1877	3.0
DFST202 - American Sign Language IV	4.0	HIST108 - U.S. History from 1865	3.0
ENGL102 - Critical Thinking and Literature	3.0	HIST110 - African-American History, 1450-1877	3.0
ENGL111 - Creative Writing: Fiction	3.0	HIST111 - African-American History, 1877-Present	3.0
ENGL112 - Creative Writing: Poetry	3.0	HIST113 - Women in American History	3.0
ENGL221 - American Literature 1400-1865	3.0	HIST115 - Cultural History of Mexico	3.0
ENGL222 - American Literature 1865-Present	3.0	HIST118 - American West History, 1806-Present	3.0
ENGL225 - English Literature, 800-1750	3.0	HIST119 - History of Latin America and the Caribbean	3.0
ENGL227 - English Literature, 1750-Present	3.0	LATN101 - Elementary Latin 1	5.0
ENGL230 - World Literature 1	3.0	LATN102 - Elementary Latin 2	5.0
ENGL231 - World Literature 2	3.0	LATN201 - Intermediate Latin	5.0
ENGL235 - Shakespeare and Culture	3.0	MUSC108 - History of Hip Hop	3.0
ENGL242 - Narrative and Culture	3.0	NF150 - Food and Culture	3.0
ENGL253 - African American Literature	3.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
ENGL256 - Latinx Literature	3.0	PHIL106 - Introduction to Philosophy	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	PHIL108 - Philosophy of Religion	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0	PHIL109 - World Religions	3.0
ENGL265 - Film: Text and Context	3.0	PHOT107 - History of Photography	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0	SPAN101 - Elementary Spanish 1	5.0
FREN101 - Elementary French 1	5.0	SPAN102 - Elementary Spanish 2	5.0
FREN102 - Elementary French 2	5.0	SPAN110SS - Spanish for Heritage Speakers I	5.0
FREN201 - Intermediate French 1	5.0	SPAN201 - Intermediate Spanish 1	5.0
FREN202 - Intermediate French 2	5.0	SPAN202 - Intermediate Spanish 2	5.0
FREN203 - Advanced French	3.0		
FTV201 - Intercultural & Women's Film	3.0		
FTV203 - African-American Cinema	3.0		
FTV251 - Contemporary American Independent Film	4.0		

SPAN203 - Introduction to Hispanic Literature	3.0
SPAN210SS - Spanish for Heritage Speakers II	5.0
SPAN220SS - Composition and Conversation	5.0
THA239 - Intercultural and Women's Theatre	3.0
Any CSU GE Area C-2	3.0
Any CSU GE Area C-1 or C-2	3.0
Total Credits	15.0 - 17.0

Term 3 Credits

Required Electives B Take one of the following:

ART113 - Painting I	3.0
ART121 - Digital Art and Drawing	3.0
ART135 - Beginning Wheel-Thrown Ceramics	3.0
ART137 - Advanced Wheel-Thrown Ceramics	3.0
ART145 - 2-D Design Basics	3.0
ART150 - 3-D Design Basics	3.0
ART213 - Painting III	3.0
ART216 - Figure Drawing	3.0
PHTC101 - Beginning Black and White Photography	3.0

B-1 Physical Science Take one of the following:

ASTR101 - Astronomy	3.0
CHEM101 - Introductory Chemistry	5.0
CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0
CHEM110 - General Chemistry	5.0
CHEM120 - General Chemistry	5.0
CHEM210 - Organic Chemistry	4.0
CHEM220 - Organic Chemistry	4.0
ERSC101 - Introduction to Earth Science	4.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
GEOL101 - Physical Geology	3.0
GEOL102 - Historical Geology	3.0
PHYS101 - Introductory Physics	4.0
PHYS102 - Introductory Physics	4.0

PHYS110 - General Physics	4.0
PHYS120 - General Physics	4.0
PHYS211 - General Physics	5.0
PSCI101 - Physical Science	4.0
Any CSU GE Area B-1	3.0

D. Social Sciences Take one of the following:

AJ206 - Criminology	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH103 - Archaeology and World Prehistory	3.0
ANTH112 - Ethnic Studies: Native North Americans	3.0
CFE102 - The Developing Child	3.0
ECON100 - Survey of Economics	3.0
ECON101 - Principles of Macroeconomics	3.0
ECON102 - Principles of Microeconomics	3.0
ECON110 - Economics of the Underclass	3.0
GEOG105 - Cultural Geography	3.0
GEOG106 - California Geography	3.0
GEOG110 - World Regional Geography	3.0
HIST101 - Western Civilization, Ancient-1750	3.0
HIST102 - Western Civilization, 1750 - Present	3.0

F. Ethnic Studies Take one of the following:

Ethnic Studies Course	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0

Elective Take one of the following:

General Elective	1.0
General Elective	2.0
General Elective	3.0
BUS101 - Introduction to Business	3.0
KINF130 - Physical Conditioning	1.0
ART101 - History of Art, Prehistoric to Gothic	3.0
HE101 - Health Education	3.0
HIST101 - Western Civilization, Ancient-1750	3.0

MUS101 - Music Appreciation	3.0	ECON100 - Survey of Economics	3.0
PHOT107 - History of Photography	3.0	ECON101 - Principles of Macroeconomics	3.0
DA101 - Dance Appreciation	3.0	ECON102 - Principles of Microeconomics	3.0
FTV101 - Introduction to Film	3.0	ECON110 - Economics of the Underclass	3.0
PSY101 - General Psychology	3.0	GEOG105 - Cultural Geography	3.0
Total Credits	13.0 - 17.0	GEOG106 - California Geography	3.0
Term 4	Credits	GEOG110 - World Regional Geography	3.0
Required Electives C Take one of the following:		HIST101 - Western Civilization, Ancient-1750	3.0
OR Any LIST A or B course not already used	0.0	HIST102 - Western Civilization, 1750 - Present	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
ANTH103 - Archaeology and World Prehistory	3.0	HIST105 - Introduction to World Civilization, 1500 - Present	3.0
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0	HIST107 - U.S. History, 1607-1877	3.0
COMM217 - Gender and Communication	3.0	HIST108 - U.S. History from 1865	3.0
ENGL230 - World Literature 1	3.0	B-2 Life Science Take one of the following:	
DA101 - Dance Appreciation	3.0	ANTH101 - Introduction to Biological Anthropology	3.0
FREN101 - Elementary French 1	5.0	BIOL101 - General Biology	3.0
FTV203 - African-American Cinema	3.0	BIOL102 - Human Biology	4.0
GER101 - Elementary German 1	5.0	BIOL103 - Introduction to Botany	4.0
HIST101 - Western Civilization, Ancient-1750	3.0	BIOL104 - Environmental Biology	3.0
HIST113 - Women in American History	3.0	BIOL110 - General Molecular Cell Biology	5.0
HIST115 - Cultural History of Mexico	3.0	BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
MUS101 - Music Appreciation	3.0	BIOL201 - General Human Anatomy	4.0
PHIL108 - Philosophy of Religion	3.0	BIOL202 - General Human Physiology	4.0
PHIL109 - World Religions	3.0	BIOL204 - General Microbiology	5.0
PHOT107 - History of Photography	3.0	BIOL205 - Introduction to Biotechnology	3.0
POLS202 - Ethnic Politics in America	3.0	Any CSU GE Area B-2	3.0
THA101 - Introduction to Theatre	3.0	B-3 Laboratory Activity Take one of the following:	
D. Social Sciences Take one of the following:		ANTH101L - Biological Anthropology Lab	1.0
AJ206 - Criminology	3.0	ASTR101L - Astronomy Laboratory	1.0
ANTH102 - Introduction to Cultural Anthropology	3.0	BIOL101L - General Biology Lab	1.0
ANTH103 - Archaeology and World Prehistory	3.0	GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
ANTH112 - Ethnic Studies: Native North Americans	3.0		
CFE102 - The Developing Child	3.0		

GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0
GEOL101L - Physical Geology Lab	1.0
GEOL102L - Historical Geology Laboratory	1.0
Any CSU GE Area B-3	1.0
Elective Take one of the following:	
General Elective	1.0
General Elective	2.0
General Elective	3.0
BUS101 - Introduction to Business	3.0
KINF130 - Physical Conditioning	1.0
ART101 - History of Art, Prehistoric to Gothic	3.0
HE101 - Health Education	3.0
HIST101 - Western Civilization, Ancient- 1750	3.0
MUS101 - Music Appreciation	3.0
PHOT107 - History of Photography	3.0
DA101 - Dance Appreciation	3.0
FTV101 - Introduction to Film	3.0
PSY101 - General Psychology	3.0
Total Credits	8.0 - 17.0

Program Outcomes

AA-T Art History

Student will recognize major movements and understand characteristics of art from various time periods and cultures throughout the world.

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.

Student will develop understanding and appreciation of the creative processes in art making.

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: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education---Breadth Requirement. (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. ADT's also require that students must earn a C (or P) or better in all courses required for the major or area of emphasis.

Program Requirements

Studio Arts AA-T (Total 24)

Complete all of the following

Required Courses (Total 12)

Complete the following number of credits: 12

ART102 - History of Art, Renaissance to Modern 3

ART145 - 2-D Design Basics 3

ART150 - 3-D Design Basics 3

ART110 - Drawing 3

Required Electives Group A (Total 3)

Complete the following number of credits: 3

ART101 - History of Art, Prehistoric to Gothic 3

ART106 - History of Art: Asia 3

ART103 - History of Art: Africa, Oceania and Indigenous North America 3

ART104 - Hist of Art in 20th Century 3

Select a total of 3 courses from 3 different curricular areas below: 0

Required Electives Group B (Total 9)

Complete the following number of credits: 9

Curricular Areas: (Total 0 - 3)

Complete the following number of rules: 0-1

ART113 - Painting I 3

ART120 - Introduction to Printmaking 3

ART132 - Introduction to Ceramics: Hand-Building 3

ART121 - Digital Art and Drawing 3

PHTC101 - Beginning Black & White Photography 3

Drawing Option - choose one only (Total 0 - 3)

Complete the following number of rules: 0-1

ART216 - Life Drawing 3

ART170 - Drawing II 3

ART210 - Drawing III 3

Other Media Options - choose one only (Total 0 - 3)

Complete the following number of rules: 0-1

ART116 - Illustration 3

ART140 - Watercolor 3

PHTC125 - Beginning Digital Photography 3

ART135 - Beginning Wheel-Thrown Ceramics 3

ART137 - Advanced Wheel-Thrown Ceramics 3

Second Semester Course Option - choose one only (Total 0 - 3)

Complete the following number of rules: 0-1

ART163 - Painting II 3

ART213 - Painting III 3

Recommended Pathway

Term 1

Credits

Required Courses ART110 - Drawing 3.0

Required Courses ART102 - History of Art, Renaissance to Modern 3.0

A-2 Written Communication ENGL101 - College Composition 3.0

E. Lifelong Learning and Self-Development

Take one of the following:

CFE102 - The Developing Child-Child Growth and Development 3.0

COMM107 - Introduction to Interpersonal Communication 3.0

DA108 - Dance Ensemble 3.0

DA111 - Choreography 3.0

HD101 - College and Life Management 3.0

HD102 - Soldiers to Scholars 3.0

HD105 - Personal Development 3.0

HE101 - Health Education 3.0

HE120 - Stress Management 3.0

NF100 - Nutrition 3.0

NF103 - Principles of Food Preparation 3.0

NF150 - Food and Culture 3.0

PSY212 - Human Sexuality 3.0

PSY236 - Developmental Psychology 3.0

SOC111 - Issues and Concepts in Aging 3.0

SOC116 - Sociology of Gender and Sexuality 3.0

SOC120 - Drugs, Society and Human Behavior 3.0

B-4 Mathematics/Quantitative Reasoning

Take one of the following:

CIS121 - Computer Mathematics 3.0

MATH110 - Mathematics for Liberal Arts Students 3.0

MATH115 - Statistics 4.0

MATH116 - Introduction to Statistics Using R 4.0

MATH120 - Math for Teachers 3.0

MATH124 - Finite Math 4.0

MATH128 - College Algebra for Liberal Arts 3.0

MATH135 - Plane Trigonometry 3.0

MATH140 - Precalculus 4.0

MATH148 - Calculus for Business and Economics 4.0

MATH150 - Calculus and Analytic Geometry 5.0

MATH160 - Calculus and Analytic Geometry 4.0

MATH220 - Linear Algebra 4.0

MATH230 - Introduction to Ordinary Differential Equations 4.0

MATH250 - Calculus and Analytic Geometry 4.0

Total Credits 15.0 - 17.0

Term 2

Credits

Required Courses ART145 - 2-D Design Basics 3.0

Required Electives Group A

Take one of the following:

ART101 - History of Art, Prehistoric to Gothic 3.0

ART106 - History of Art: Asia 3.0

ART103 - History of Art: Africa, Oceania and Indigenous North America 3.0

ART104 - Hist of Art in 20th Century 3.0

A-3 Critical Thinking Take one of the following:

COMM110 - Persuasion	3.0
COMM115 - Introduction to Argumentation and Debate	3.0
ENGL102 - Critical Thinking and Literature	3.0
ENGL103 - Critical Thinking and Research	3.0
PHIL101 - Fundamental Reasoning Skills	3.0
PHIL106 - Intro to Philosophy	3.0
PHIL110 - Introduction to Logic	3.0
PHIL201 - Critical Thinking	3.0

B-2 Life Science Take one of the following:

ANTH101 - Introduction to Biological Anthropology	3.0
BIOL101 - General Biology	3.0
BIOL102 - Human Biology	4.0
BIOL103 - Introduction to Botany	4.0
BIOL104 - Environmental Biology	3.0
BIOL110 - General Molecular Cell Biology	5.0
BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
BIOL201 - General Human Anatomy	4.0
BIOL202 - General Human Physiology	4.0
BIOL204 - General Microbiology	5.0
BIOL205 - Introduction to Biotechnology	3.0

B-3 Laboratory Activity**Take one of the following:**

ANTH101L - Biological Anthropology Lab	1.0
ASTR101L - Astronomy Laboratory	1.0
BIOL101L - General Biology Lab	1.0
GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0
GEOL101L - Physical Geology Lab	1.0
GEOL102L - Historical Geology Laboratory	1.0

Total Credits 13.0 - 15.0**Term 3****Credits****Required Courses** ART150 - 3-D Design Basics 3.0**Required Electives Group B****Take one of the following:**

ART113 - Painting I	3.0
ART120 - Introduction to Printmaking	3.0
ART132 - Introduction to Ceramics: Hand-Building	3.0
ART121 - Digital Art and Drawing	3.0
PHTC101 - Beginning Black and White Photography	3.0
ART216 - Life Drawing	3.0
ART170 - Drawing II	3.0
ART210 - Drawing III	3.0
ART116 - Illustration	3.0
ART140 - Watercolor	3.0
PHTC125 - Beginning Digital Photography	3.0
ART135 - Beginning Wheel-Thrown Ceramics	3.0
ART137 - Advanced Wheel-Thrown Ceramics	3.0
ART163 - Painting II	3.0
ART213 - Painting III	3.0

A-1 Oral Communication COMM101 - Introduction to Public Speaking 3.0**D. Social Sciences Take one of the following:**

AJ206 - Criminology	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH103 - Archaeology and World Prehistory	3.0
ANTH110 - Latin American Cultures	3.0
ANTH112 - Native North Americans	3.0
ANTH140 - Introduction to Archaeology	4.0
BUS212 - Women in Organizations	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0
CFE103 - The Child in Family and Community Relationship	3.0

DFST105 - Introduction to American Deaf Culture	3.0	POLS203 - The Judicial Process	3.0
DFST106 - Introduction to Deaf Education	3.0	PSY101 - General Psychology	3.0
DFST110 - Power, Privilege, and Oppression	3.0	PSY200 - Introduction to Research Methods in Psychology	3.0
ECON100 - Survey of Economics	3.0	PSY201 - Introduction to Physiological Psychology	3.0
ECON101 - Principles of Macroeconomics	3.0	PSY212 - Human Sexuality	3.0
ECON102 - Principles of Microeconomics	3.0	PSY230 - Social Psychology	3.0
ECON110 - Economics of the Underclass	3.0	PSY232 - Theories of Personality	3.0
GEOG105 - Cultural Geography	3.0	PSY233 - Personal and Social Adjustment	3.0
GEOG106 - California Geography	3.0	PSY234 - Abnormal Psychology	3.0
GEOG110 - World Regional Geography	3.0	PSY235 - Child Psychology	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	PSY236 - Developmental Psychology	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC101 - Introduction to Sociology	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC110 - Ethnic Relations	3.0
HIST107 - U.S. History, 1607-1877	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST108 - U.S. History from 1865	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
HIST110 - African-American History, 1450-1877	3.0	SOC115 - Marriage and Family Life	3.0
HIST111 - African-American History, 1877-Present	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST113 - Women in American History	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST114 - History of California	3.0	SOC200 - Research Methods for the Social Sciences	3.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0	B-1 Physical Science Take one of the following:	
HIST118 - American West History, 1806-Present	3.0	ASTR101 - Astronomy	3.0
HIST119 - History of Latin America and the Caribbean	3.0	CHEM101 - Introductory Chemistry	5.0
POLS101 - American Political Institutions	3.0	CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0
POLS103 - Comparative Government	3.0	CHEM110 - General Chemistry	5.0
POLS200 - Introduction to Political Theory	3.0	CHEM120 - General Chemistry	5.0
POLS201 - Contemporary International Relations	3.0	CHEM210 - Organic Chemistry	4.0
POLS202 - Ethnic Politics in America	3.0	CHEM220 - Organic Chemistry	4.0
		ERSC101 - Introduction to Earth Science	4.0
		GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0

GEOG102 - Physical Geography: Earth's Weather & Climate	3.0	PHTC101 - Beginning Black and White Photography	3.0
GEOL101 - Physical Geology	3.0	ART216 - Life Drawing	3.0
GEOL102 - Historical Geology	3.0	ART170 - Drawing II	3.0
PHYS101 - Introductory Physics	4.0	ART210 - Drawing III	3.0
PHYS102 - Introductory Physics	4.0	ART116 - Illustration	3.0
PHYS110 - General Physics	4.0	ART140 - Watercolor	3.0
PHYS120 - General Physics	4.0	PHTC125 - Beginning Digital Photography	3.0
PHYS211 - General Physics	5.0	ART135 - Beginning Wheel-Thrown Ceramics	3.0
PSCI101 - Physical Science	4.0	ART137 - Advanced Wheel-Thrown Ceramics	3.0
Total Credits	15.0 - 18.0	ART163 - Painting II	3.0
Term 4	Credits	ART213 - Painting III	3.0
Required Electives Group B		C-2 Humanities Take one of the following:	
Take one of the following:		CHIN101 - Elementary Chinese I	5.0
ART113 - Painting I	3.0	CHIN102 - Elementary Chinese 2	5.0
ART120 - Introduction to Printmaking	3.0	CHIN201 - Intermediate Chinese	5.0
ART132 - Introduction to Ceramics: Hand-Building	3.0	CHIN202 - Intermediate Chinese	5.0
ART121 - Digital Art and Drawing	3.0	COMM112 - Oral Interpretation	3.0
PHTC101 - Beginning Black and White Photography	3.0	COMM217 - Gender and Communication	3.0
ART216 - Life Drawing	3.0	COMM219 - Introduction to Intercultural Communication	3.0
ART170 - Drawing II	3.0	DFST101 - American Sign Language I	4.0
ART210 - Drawing III	3.0	DFST102 - American Sign Language II	4.0
ART116 - Illustration	3.0	DFST201 - American Sign Language III	4.0
ART140 - Watercolor	3.0	DFST202 - American Sign Language IV	4.0
PHTC125 - Beginning Digital Photography	3.0	ENGL102 - Critical Thinking and Literature	3.0
ART135 - Beginning Wheel-Thrown Ceramics	3.0	ENGL111 - Creative Writing: Fiction	3.0
ART137 - Advanced Wheel-Thrown Ceramics	3.0	ENGL112 - Creative Writing: Poetry	3.0
ART163 - Painting II	3.0	ENGL221 - American Literature 1400-1865	3.0
ART213 - Painting III	3.0	ENGL222 - American Literature 1865-Present	3.0
Required Electives Group B		ENGL225 - English Literature, 800-1750	3.0
Take one of the following:		ENGL227 - English Literature, 1750-Present	3.0
ART113 - Painting I	3.0	ENGL230 - World Literature 1	3.0
ART120 - Introduction to Printmaking	3.0	ENGL231 - World Literature 2	3.0
ART132 - Introduction to Ceramics: Hand-Building	3.0		
ART121 - Digital Art and Drawing	3.0		

ENGL235 - Shakespeare and Culture	3.0	HIST118 - American West History, 1806-Present	3.0
ENGL242 - Narrative and Culture	3.0	HIST119 - History of Latin America and the Caribbean	3.0
ENGL253 - African American Literature	3.0	LATN101 - Elementary Latin 1	5.0
ENGL256 - Latinx Literature	3.0	LATN102 - Elementary Latin 2	5.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	LATN201 - Intermediate Latin	5.0
ENGL259 - Gender, Image, and Rhetoric	3.0	MUSC108 - History of Hip Hop	3.0
ENGL265 - Film: Text and Context	3.0	NF150 - Food and Culture	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
FREN101 - Elementary French 1	5.0	PHIL106 - Intro to Philosophy	3.0
FREN102 - Elementary French 2	5.0	PHIL108 - Philosophy of Religion	3.0
FREN201 - Intermediate French 1	5.0	PHIL109 - World Religions	3.0
FREN202 - Intermediate French 2	5.0	PHOT107 - History of Photography	3.0
FREN203 - Advanced French	3.0	SPAN101 - Elementary Spanish 1	5.0
FTV201 - Intercultural & Women's Film	3.0	SPAN102 - Elementary Spanish 2	5.0
FTV203 - African-American Cinema	3.0	SPAN110SS - Spanish for Heritage Speakers I	5.0
FTV251 - Contemporary American Independent Film	4.0	SPAN201 - Intermediate Spanish 1	5.0
GER101 - Elementary German 1	5.0	SPAN202 - Intermediate Spanish 2	5.0
GER102 - Elementary German 2	5.0	SPAN203 - Introduction to Hispanic Literature	3.0
GER201 - Intermediate German 1	4.0	SPAN210SS - Spanish for Heritage Speakers II	5.0
GER202 - Intermediate German 2	4.0	SPAN220SS - Composition and Conversation	5.0
HIST101 - Western Civilization, Ancient-1750	3.0	THA239 - Intercultural and Women's Theatre	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	Any C-2 course	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	F. Ethnic Studies Take one of the following:	
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	Ethnic Studies Course	3.0
HIST107 - U.S. History, 1607-1877	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
HIST108 - U.S. History from 1865	3.0	Elective Take one of the following:	
HIST110 - African-American History, 1450-1877	3.0	General Elective	1.0
HIST111 - African-American History, 1877-Present	3.0	General Elective	2.0
HIST113 - Women in American History	3.0	General Elective	3.0
HIST115 - Cultural History of Mexico	3.0	Total Credits	13.0 - 17.0

Program Outcomes

AA-T Studio Arts

Develop an understanding of the theoretical, cultural, and historical contexts of art from pre-history to the contemporary.

Develop an appreciation for diverse perspectives dealing with art and culture and become ethically involved in both individual and collaborative art experiences.

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.

Apply critical thinking skills by analyzing and interpreting art concepts and methodologies; demonstrate effective verbal, written, and visual communication.

Art Appreciation

ART100:

3.0 Units

Advisory: Completion of ENGL 101 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. It allows 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) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

History of Art, Prehistoric to Gothic

ART101:

3.0 Units

Advisory: Completion of ENGL 101 or placement by multiple measures. A survey of Western paintings, sculpture and architecture 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 Early Christian, Medieval, Romanesque and Gothic Arts in Europe will be discussed according to their historical, socio-cultural and philosophical contexts. (C-ID: ARTH 110) (UC, CSU, AVC) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

History of Art, Renaissance to Modern

ART102:

3.0 Units

A survey of Western paintings, sculptures and architecture from 14th to the 21st century, encompassing artistic periods from the Renaissance, Baroque, Rococo, Neoclassicism, Romanticism, Realism and major movements in Modern and Contemporary Art. Slide lectures and class discussions examines functions and meanings of artworks within historical, social, cultural and philosophical contexts. (UC, CSU, AVC) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

History of Art: Africa, Oceania and Indigenous North America

ART103:

3.0 Units

Advisory: Completion of ENGL 101 or placement by multiple measures. 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. (UC, CSU, AVC) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

History of Modern and Contemporary Art in the 20th Century

ART104:

3.0 Units

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) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

History of Art: Asia

ART106:

3.0 Units

Advisory: Completion of ENGL 101 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) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

Drawing

ART110:

3.0 Units

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) (GE: AVC Area C)

Painting I

ART113:

3.0 Units

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. (C-ID: ARTS 210) (UC, CSU, AVC) (GE: CSU Area C1, AVC Area C)

Illustration

ART116:

3.0 Units

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. (CSU, AVC)

Introduction to Printmaking

ART120:

3.0 Units

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 (UC, CSU, AVC) (GE: AVC Area C)

Digital Art and Drawing

ART121:

3.0 Units

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. (CSU, UC, AVC)

Introduction to Ceramics: Hand-Building

ART132:

3.0 Units

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) (GE: CSU Area C1, AVC Area C)

Beginning Wheel-Thrown Ceramics

ART135:

3.0 Units

Instructional materials fee required for this course and must be paid at registration. Introduction to pottery facilities, the basic technology of clay, glazes, and firing. Introduction to basic hand-building techniques and the potter's wheel. 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) (GE: CSU Area C1, AVC Area C)

Intermediate Wheel-Thrown Ceramics

ART136:

3.0 Units

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. (CSU, UC, AVC)

Advanced Wheel-Thrown Ceramics

ART137:

3.0 Units

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, the technology of clay, 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. Develops students' design of functional wheel-thrown forms and study of ceramic materials for use in clay and glaze experimentation. Introduction to firing procedures. Students may have to purchase additional supplies not provided by the college. (UC, CSU, AVC) (GE: CSU Area C1, AVC Area C)

Watercolor

ART140:

3.0 Units

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) (GE: CSU Area C1, AVC Area C)

2-D Design Basics

ART145:

3.0 Units

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) (GE: CSU Area C1, AVC Area C)

3-D Design Basics

ART150:

3.0 Units

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) (GE: AVC Area C)

Painting II

ART163:

3.0 Units

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) (GE: CSU Area C1, AVC Area C)

Drawing II

ART170:

3.0 Units

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) (GE: CSU Area C1, AVC Area C)

Drawing III

ART210:

3.0 Units

Prerequisite: Completion of ART 110. 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) (GE: AVC Area C)

Painting III

ART213:

3.0 Units

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) (GE: CSU Area C1, AVC Area C)

Figure Drawing

ART216:

3.0 Units

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 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) (CSU, UC, AVC)

Special Studies in Art

ART298:

1.0 - 3.0 Units

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)

Astronomy

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

Astronomy

ASTR101:

3.0 Units

This course is designed as an introduction to the study of planetary, stellar, galactic, and cosmological systems.

Emphasis is placed on astronomical observations and the use of physical laws and principles to investigate the properties and dynamics of these systems. Topics include understanding celestial motion as a function of the motion of the Earth and the Moon, the development of modern astronomy, telescopes and imaging technology, the properties of light and atoms, the formation of spectra, stellar structure and evolution, galactic structure and evolution, cosmology, comparative planetology, and search for extraterrestrial life. (UC, CSU, AVC) (GE: IGETC Area 5A, CSU Area B1, AVC Area A)

Astronomy Laboratory

ASTR101L:

1.0 Units

Prerequisite: Completion of or concurrent enrollment in ASTR 101. Laboratory applications of principles discussed in ASTR 101. Classroom activities and topics include the use of star charts, cause of the seasons, telescope observations of the Moon, planets, and stars; the laws of optics as related to telescopes, how light is analyzed to deduce the physical properties of stars and galaxies, Kepler's laws of planetary motion, constructing Hertzsprung-Russell diagrams to organize stellar data, cosmic distances, and the Hubble Law as it relates to the age and size of the Universe. (UC, CSU, AVC) (GE: IGETC Area 5C, CSU Area B3, AVC Area A)

Athletic Training

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.

Introduction to Athletic Training

ATH100:

3.0 Units

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)

Practical Applications of Athletic Training I

ATH102:

3.0 Units

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)

Practical Applications of Athletic Training I Lab

ATH102L:

4.0 Units

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)

Practical Applications of Athletic Training II

ATH103:

3.0 Units

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)

Practical Applications of Athletic Training II Lab

ATH103L:

4.0 Units

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)

Auto Body

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.

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 credits: 40

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY115 - Basic Auto Body Repair 10

Required Courses - Option 2 (Total 10)

Complete all of the following

ABDY112 - Basic Auto Body Repair 5

ABDY113 - Basic Auto Body Repair 5

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY125 - Basic Automotive Refinishing 10

Required Courses - Option 2 (Total 10)

Complete all of the following

ABDY122 - Basic Automotive Refinishing 5

ABDY123 - Automotive Refinishing 5

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY215 - Advanced Auto Collision Repair 10

Required Courses - Option 2 (Total 10)

Complete all of the following

ABDY212 - Advanced Auto Collision Repair I 5

ABDY213 - Advanced Auto Collision Repair II 5

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY225 - Advanced Automotive Refinishing 10

Required Courses - Option 2 (Total 10)

Complete the following number of credits: 10

ABDY222 - Advanced Automotive Refinishing I 5

ABDY223 - Advanced Automotive Refinishing II 5

Recommended Pathway

Night Sequence

Term 1 **Credits**

Required Courses - Option 1 ABDY112 - Basic Auto Body Repair 5.0

Required Courses - Option 1 ABDY122 - Basic Automotive Refinishing 5.0

Total Credits 10.0

Term 2 **Credits**

Required Courses - Option 2 ABDY113 - Basic Auto Body Repair 5.0

Required Courses - Option 2 ABDY123 - Automotive Refinishing 5.0

Total Credits 10.0

Term 3 **Credits**

Required Courses - Option 1 ABDY212 - Advanced Auto Collision Repair I 5.0

Required Courses - Option 2 ABDY222 - Advanced Automotive Refinishing I 5.0

Total Credits 10.0

Term 4 **Credits**

Required Courses - Option 2 ABDY213 - Advanced Auto Collision Repair II 5.0

Required Courses - Option 2 ABDY223 - Advanced Automotive Refinishing II 5.0

Total Credits 10.0

Day Sequence

Term 1 **Credits**

Required Courses - Option 1 ABDY115 - Basic Auto Body Repair 10.0

Total Credits 10.0

Term 2 **Credits**

Required Courses - Option 1 ABDY125 - Basic Automotive Refinishing	10.0
Total Credits	10.0
Term 3	Credits
Required Courses - Option 1 ABDY215 - Advanced Auto Collision Repair	10.0
Total Credits	10.0
Term 4	Credits
Required Courses - Option 1 ABDY225 - Advanced Automotive Refinishing	10.0
Total Credits	10.0

Program Outcomes

Automotive Collision Repair & Refinishing Specialist Cert

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

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.

Evaluate, analyze and repair damaged automotive body panels/structures using body solder, fiberglass and plastic composite materials.

Use, read and properly interpret standard specifications for production-type spray equipment, coating materials, masking materials and color matching procedures.

Evaluate, analyze, and prepare, mask and spray automotive panel(s) using current technology paint coatings to industry standards.

Evaluate, analyze, color-sand and final detail a vehicle for customer delivery to industry standard.

Auto Collision Repr Spec Cert

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 equipmen

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.

Evaluate, analyze and repair damaged automotive body panels/structures using body solder, fiberglass and plastic composite materials.

Auto Refinishing Spec Cert

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.

Use, read and properly interpret standard specifications for production-type spray equipment, coating materials, masking materials and color matching procedures.

Evaluate, analyze, and prepare, mask and spray automotive panel(s) using current technology paint coatings to industry standards.

Evaluate, analyze, color-sand and final detail a vehicle for customer delivery to industry standard.

Automotive Collision Repair and Refinishing Specialist AS

The requirements for an Associate Degree in Automotive Collision Repair and Refinishing Specialist may be satisfied by completing 40 units of required courses in Automotive Collision and Collision Refinishing certificate programs, 21 units of general education requirements, and sufficient elective credits to total 61 units. (See Graduation/Associate Degree Requirements.) 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 credits: 40

Required Courses - Option 1 (Total 10)

Complete all of the following

ABDY115 - Basic Auto Body Repair 10

Required Courses (Total 10)

Complete the following number of credits: 10

Required Courses - Option 2 (Total 10)

Complete all of the following

ABDY112 - Basic Auto Body Repair 5

ABDY113 - Basic Auto Body Repair 5

Required Courses - Option 1 (Total 10)

Complete all of the following

ABDY125 - Basic Automotive Refinishing 10

Required Courses - Option 2 (Total 10)

Complete the following number of credits: 10

Required Courses - Option 2 (Total 10)

Complete all of the following

ABDY122 - Basic Automotive Refinishing 5

ABDY123 - Automotive Refinishing 5

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

Required Courses (Total 10)

Complete the following number of credits: 10

Required Courses - Option 1 (Total 10)

Complete all of the following

ABDY215 - Advanced Auto Collision Repair 10

Required Courses- Option 2 (Total 10)

Complete the following number of credits: 10

ABDY212 - Advanced Auto Collision Repair I 5

ABDY213 - Advanced Auto Collision Repair II 5

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

Required Courses (Total 10)

Complete all of the following

ABDY225 - Advanced Automotive Refinishing 10

Required Courses - Option 2 (Total 10)

Complete the following number of credits: 10

ABDY222 - Advanced Automotive Refinishing I 5

ABDY223 - Advanced Automotive Refinishing II 5

Recommended Pathway

Night Sequence

Term 1

Credits

Required Courses - Option 2 ABDY112 -
Basic Auto Body Repair

5.0

Required Courses - Option 2 ABDY122 -
Basic Automotive Refinishing 5.0

**D1 - Language & Rationality -
Communication and Analytical Thinking** 3.0
ENGL101 - College Composition

Area E - Additional Breadth HD105 -
Personal Development 3.0

Total Credits 16.0

Term 2 Credits

Required Courses - Option 2 ABDY113 -
Basic Auto Body Repair 5.0

Required Courses - Option 2 ABDY123 -
Automotive Refinishing 5.0

Area B - Social & Behavioral Sciences

Take one of the following:

AJ201 - Police in Society 3.0

AJ204 - Juvenile Procedures 3.0

AJ206 - Criminology 3.0

ANTH102 - Introduction to Cultural
Anthropology 3.0

ANTH103 - Archaeology and World Prehistory 3.0

ANTH112 - Native North Americans 3.0

BUS101 - Introduction to Business 3.0

CFE102 - The Developing Child-Child
Growth and Development 3.0

COMM217 - Gender and Communication 3.0

DFST105 - Introduction to American Deaf
Culture 3.0

ECON100 - Survey of Economics 3.0

ECON101 - Principles of Macroeconomics 3.0

ECON102 - Principles of Microeconomics 3.0

ECON110 - Economics of the Underclass 3.0

GEOG105 - Cultural Geography 3.0

GEOG106 - California Geography 3.0

GEOG110 - World Regional Geography 3.0

HIST101 - Western Civilization, Ancient-
1750 3.0

HIST102 - Western Civilization, 1750 - Present 3.0

HIST104 - Introduction to World
Civilizations, from Human Beginnings Until
1500 3.0

HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST107 - U.S. History, 1607-1877	3.0	D2 - Language & Rationality - Communication and Analytical Thinking	3.0
HIST108 - U.S. History from 1865	3.0	COMM112 - Oral Interpretation	
HIST110 - African-American History, 1450-1877	3.0	Total Credits	16.0
HIST111 - African-American History, 1877-Present	3.0	Term 3	Credits
HIST113 - Women in American History	3.0	Required Courses- Option 2 ABDY212 - Advanced Auto Collision Repair I	5.0
HIST114 - History of California	3.0	Required Courses - Option 2 ABDY222 - Advanced Automotive Refinishing I	5.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0	Area A -Natural Sciences Take one of the following:	
HIST118 - American West History, 1806-Present	3.0	ANTH101 - Introduction to Biological Anthropology	3.0
HIST119 - History of Latin America and the Caribbean	3.0	ASTR101 - Astronomy	3.0
POLS101 - American Political Institutions	3.0	BIOL100 - Elementary Human Anatomy and Physiology	3.0
POLS103 - Comparative Government	3.0	BIOL101 - General Biology	3.0
POLS200 - Introduction to Political Theory	3.0	BIOL102 - Human Biology	4.0
POLS201 - Contemporary International Relations	3.0	BIOL103 - Introduction to Botany	4.0
POLS202 - Ethnic Politics in America	3.0	BIOL104 - Environmental Biology	3.0
POLS203 - The Judicial Process	3.0	BIOL201 - General Human Anatomy	4.0
PSY101 - General Psychology	3.0	BIOL202 - General Human Physiology	4.0
PSY102 - Introduction to Alcohol and Other Drug Studies	3.0	BIOL205 - Introduction to Biotechnology	3.0
PSY201 - Introduction to Physiological Psychology	3.0	ELTE101 - Survey of Electronics	4.0
PSY212 - Human Sexuality	3.0	ERSC101 - Introduction to Earth Science	4.0
PSY230 - Social Psychology	3.0	GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
PSY232 - Theories of Personality	3.0	GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
PSY233 - Personal and Social Adjustment	3.0	GEOL101 - Physical Geology	3.0
PSY234 - Abnormal Psychology	3.0	GEOL102 - Historical Geology	3.0
PSY235 - Child Psychology	3.0	PHYS101 - Introductory Physics	4.0
PSY236 - Developmental Psychology	3.0	PHYS102 - Introductory Physics	4.0
SOC101 - Introduction to Sociology	3.0	PHYS110 - General Physics	4.0
SOC105 - The Mexican American in Contemporary Society	3.0	PHYS120 - General Physics	4.0
SOC110 - Ethnic Relations	3.0	PSCI101 - Physical Science	4.0
SOC112 - American Social Issues: Problems and Challenges	3.0	Elective General Elective	2.0
SOC111 - Issues and Concepts in Aging	3.0	Total Credits	15.0 - 16.0
SOC115 - Marriage and Family Life	3.0	Term 4	Credits
SOC116 - Sociology of Gender and Sexuality	3.0		

Required Courses- Option 2 ABDY213 - Advanced Auto Collision Repair II	5.0	ENGL102 - Critical Thinking and Literature	3.0
		ENGL111 - Creative Writing: Fiction	3.0
Area C - Humanities Take one of the following:		ENGL112 - Creative Writing: Poetry	3.0
ART100 - Art Appreciation	3.0	ENGL221 - American Literature 1400-1865	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0	ENGL222 - American Literature 1865-Present	3.0
ART102 - History of Art, Renaissance to Modern	3.0	ENGL225 - English Literature, 800-1750	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0	ENGL227 - English Literature, 1750- Present	3.0
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0	ENGL230 - World Literature 1	3.0
ART106 - History of Art: Asia	3.0	ENGL231 - World Literature 2	3.0
ART110 - Drawing	3.0	ENGL235 - Shakespeare and Culture	3.0
ART113 - Painting I	3.0	ENGL242 - Narrative and Culture	3.0
ART120 - Introduction to Printmaking	3.0	ENGL253 - African American Literature	3.0
ART132 - Introduction to Ceramics: Hand- Building	3.0	ENGL256 - Latinx Literature	3.0
ART135 - Beginning Wheel-Thrown Ceramics	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ART136 - Intermediate Wheel-Thrown Ceramics	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
ART137 - Advanced Wheel-Thrown Ceramics	3.0	ENGL265 - Film: Text and Context	3.0
ART140 - Watercolor	3.0	ENGL279 - Science Fiction and Dystopian Literature	3.0
ART145 - 2-D Design Basics	3.0	FREN101 - Elementary French 1	5.0
ART150 - 3-D Design Basics	3.0	FREN102 - Elementary French 2	5.0
ART210 - Drawing III	3.0	FREN201 - Intermediate French 1	5.0
ART213 - Painting III	3.0	FREN202 - Intermediate French 2	5.0
CHIN101 - Elementary Chinese I	5.0	FREN203 - Advanced French	3.0
CHIN102 - Elementary Chinese 2	5.0	FTV101 - Introduction to Film	3.0
CHIN201 - Intermediate Chinese	5.0	FTV103 - Introduction to Television	3.0
CHIN202 - Intermediate Chinese	5.0	FTV107 - History of Film, Pre 1950	3.0
COMM112 - Oral Interpretation	3.0	FTV108 - History of Film, 1950-Present	3.0
COMM114 - Art of Storytelling	3.0	FTV201 - Intercultural & Women's Film	3.0
DA101 - Dance Appreciation	3.0	FTV203 - African-American Cinema	3.0
DFST101 - American Sign Language I	4.0	FTV251 - Contemporary American Independent Film	4.0
DFST102 - American Sign Language II	4.0	FTV261 - Religion and Cinema	4.0
DFST105 - Introduction to American Deaf Culture	3.0	GER101 - Elementary German 1	5.0
DFST106 - Introduction to Deaf Education	3.0	GER102 - Elementary German 2	5.0
DFST201 - American Sign Language III	4.0	GER201 - Intermediate German 1	4.0
DFST202 - American Sign Language IV	4.0	GER202 - Intermediate German 2	4.0
		HIST115 - Cultural History of Mexico	3.0

LATN101 - Elementary Latin 1	5.0	THA102 - Introduction to Stagecraft	3.0
LATN102 - Elementary Latin 2	5.0	THA103 - Introduction to Stage Lighting	3.0
LATN201 - Intermediate Latin	5.0	THA110 - Fundamentals of Acting	3.0
MUS101 - Music Appreciation	3.0	THA115A - Rehearsal and Performance: Drama	1.0
MUS105 - World Music	3.0	THA116A - Rehearsal and Performance: Comedy	1.0
MUS111 - Fundamentals of Music (Music Theory I)	3.0	THA117A - Rehearsal and Performance: Musical Theatre	1.0
MUS131 - Piano I	2.0	THA118A - Rehearsal and Performance: Children's Theatre	1.0
MUS132 - Piano II	2.0	THA121A - Theatre Production	1.0
MUS151 - Music Theory II	3.0	THA130 - Improvisation	3.0
MUS153B - Musicianship II	2.0	THA133 - Makeup for the Stage	3.0
MUS185 - Concert Choir	1.0	THA225 - Script Analysis	3.0
MUS231 - Piano III	2.0	THA239 - Intercultural and Women's Theatre	3.0
MUS251A - Music Theory III	3.0	Required Courses - Option 2 ABDY223 - Advanced Automotive Refinishing II	5.0
MUS251B - Music Theory IV	3.0	Area F -Diversity Studies Take one of the following:	
MUS253A - Musicianship III	2.0	ANTH102 - Introduction to Cultural Anthropology	3.0
MUS253B - Musicianship IV	2.0	ANTH112 - Native North Americans	3.0
MUSC102 - History of Jazz	3.0	BUS212 - Women in Organizations	3.0
MUSC103 - History of Rock 'n Roll	3.0	CFE116 - Diversity in Early Childhood Education	3.0
MUSC107 - History of Women in Rock Music	3.0	COMM114 - Art of Storytelling	3.0
PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0	COMM217 - Gender and Communication	3.0
PHIL106 - Intro to Philosophy	3.0	COMM219 - Introduction to Intercultural Communication	3.0
PHIL108 - Philosophy of Religion	3.0	DFST105 - Introduction to American Deaf Culture	3.0
PHIL109 - World Religions	3.0	DFST106 - Introduction to Deaf Education	3.0
PHOT107 - History of Photography	3.0	ECON110 - Economics of the Underclass	3.0
PHTC101 - Beginning Black and White Photography	3.0	ENGL253 - African American Literature	3.0
PHTC150 - Beginning Color Photography	3.0	ENGL256 - Latinx Literature	3.0
PHTC201 - Advanced Black and White Photography	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
SPAN101 - Elementary Spanish 1	5.0	ENGL259 - Gender, Image, and Rhetoric	3.0
SPAN102 - Elementary Spanish 2	5.0	FTV201 - Intercultural & Women's Film	3.0
SPAN110SS - Spanish for Heritage Speakers I	5.0	FTV203 - African-American Cinema	3.0
SPAN201 - Intermediate Spanish 1	5.0	HE201 - Women's Health Issues	3.0
SPAN202 - Intermediate Spanish 2	5.0	HIST110 - African-American History, 1450-1877	3.0
SPAN210SS - Spanish for Heritage Speakers II	5.0		
SPAN220SS - Composition and Conversation	5.0		
THA101 - Introduction to Theatre	3.0		

HIST111 - African-American History, 1877-Present	3.0	ECON101 - Principles of Macroeconomics	3.0
HIST113 - Women in American History	3.0	ECON102 - Principles of Microeconomics	3.0
MUSC107 - History of Women in Rock Music	3.0	ECON110 - Economics of the Underclass	3.0
MUSC108 - History of Hip Hop	3.0	GEOG105 - Cultural Geography	3.0
POLS202 - Ethnic Politics in America	3.0	GEOG106 - California Geography	3.0
SOC105 - The Mexican American in Contemporary Society	3.0	GEOG110 - World Regional Geography	3.0
SOC110 - Ethnic Relations	3.0	HIST101 - Western Civilization, Ancient-1750	3.0
SOC116 - Sociology of Gender and Sexuality	3.0	HIST102 - Western Civilization, 1750 - Present	3.0
THA239 - Intercultural and Women's Theatre	3.0	HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
Total Credits	14.0 - 18.0	HIST105 - Introduction to World Civilization, 1500 - Present	3.0
Day Sequence		HIST107 - U.S. History, 1607-1877	3.0
Term 1	Credits	HIST108 - U.S. History from 1865	3.0
Required Courses - Option 1 ABDY115 - Basic Auto Body Repair	10.0	HIST110 - African-American History, 1450-1877	3.0
D1 - Language & Rationality - Communication and Analytical Thinking	3.0	HIST111 - African-American History, 1877-Present	3.0
ENGL101 - College Composition		HIST113 - Women in American History	3.0
Area E - Additional Breadth HD105 - Personal Development	3.0	HIST114 - History of California	3.0
Total Credits	16.0	HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
Term 2	Credits	HIST118 - American West History, 1806-Present	3.0
Required Courses - Option 1 ABDY125 - Basic Automotive Refinishing	10.0	HIST119 - History of Latin America and the Caribbean	3.0
Area B - Social & Behavioral Sciences		POLS101 - American Political Institutions	3.0
Take one of the following:		POLS103 - Comparative Government	3.0
AJ201 - Police in Society	3.0	POLS200 - Introduction to Political Theory	3.0
AJ204 - Juvenile Procedures	3.0	POLS201 - Contemporary International Relations	3.0
AJ206 - Criminology	3.0	POLS202 - Ethnic Politics in America	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	POLS203 - The Judicial Process	3.0
ANTH103 - Archaeology and World Prehistory	3.0	PSY101 - General Psychology	3.0
ANTH112 - Native North Americans	3.0	PSY102 - Introduction to Alcohol and Other Drug Studies	3.0
BUS101 - Introduction to Business	3.0	PSY201 - Introduction to Physiological Psychology	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0	PSY212 - Human Sexuality	3.0
COMM217 - Gender and Communication	3.0	PSY230 - Social Psychology	3.0
DFST105 - Introduction to American Deaf Culture	3.0	PSY232 - Theories of Personality	3.0
ECON100 - Survey of Economics	3.0	PSY233 - Personal and Social Adjustment	3.0
		PSY234 - Abnormal Psychology	3.0
		PSY235 - Child Psychology	3.0

PSY236 - Developmental Psychology	3.0	PHYS102 - Introductory Physics	4.0
SOC101 - Introduction to Sociology	3.0	PHYS110 - General Physics	4.0
SOC105 - The Mexican American in Contemporary Society	3.0	PHYS120 - General Physics	4.0
SOC110 - Ethnic Relations	3.0	PSCI101 - Physical Science	4.0
SOC112 - American Social Issues: Problems and Challenges	3.0	Area C - Humanities Take one of the following:	
SOC111 - Issues and Concepts in Aging	3.0	ART100 - Art Appreciation	3.0
SOC115 - Marriage and Family Life	3.0	ART101 - History of Art, Prehistoric to Gothic	3.0
SOC116 - Sociology of Gender and Sexuality	3.0	ART102 - History of Art, Renaissance to Modern	3.0
SOC120 - Drugs, Society and Human Behavior	3.0	ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
D2 - Language & Rationality - Communication and Analytical Thinking	3.0	ART104 - History of Modern and Contemporary Art in the 20th Century	3.0
COMM112 - Oral Interpretation		ART106 - History of Art: Asia	3.0
Total Credits	16.0	ART110 - Drawing	3.0
Term 3	Credits	ART113 - Painting I	3.0
Required Courses - Option 1 ABDY215 - Advanced Auto Collision Repair	10.0	ART120 - Introduction to Printmaking	3.0
Area A -Natural Sciences Take one of the following:		ART132 - Introduction to Ceramics: Hand-Building	3.0
ANTH101 - Introduction to Biological Anthropology	3.0	ART135 - Beginning Wheel-Thrown Ceramics	3.0
ASTR101 - Astronomy	3.0	ART136 - Intermediate Wheel-Thrown Ceramics	3.0
BIOL100 - Elementary Human Anatomy and Physiology	3.0	ART137 - Advanced Wheel-Thrown Ceramics	3.0
BIOL101 - General Biology	3.0	ART140 - Watercolor	3.0
BIOL102 - Human Biology	4.0	ART145 - 2-D Design Basics	3.0
BIOL103 - Introduction to Botany	4.0	ART150 - 3-D Design Basics	3.0
BIOL104 - Environmental Biology	3.0	ART210 - Drawing III	3.0
BIOL201 - General Human Anatomy	4.0	ART213 - Painting III	3.0
BIOL202 - General Human Physiology	4.0	CHIN101 - Elementary Chinese I	5.0
BIOL205 - Introduction to Biotechnology	3.0	CHIN102 - Elementary Chinese 2	5.0
ELTE101 - Survey of Electronics	4.0	CHIN201 - Intermediate Chinese	5.0
ERSC101 - Introduction to Earth Science	4.0	CHIN202 - Intermediate Chinese	5.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0	COMM112 - Oral Interpretation	3.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0	COMM114 - Art of Storytelling	3.0
GEOL101 - Physical Geology	3.0	DA101 - Dance Appreciation	3.0
GEOL102 - Historical Geology	3.0	DFST101 - American Sign Language I	4.0
PHYS101 - Introductory Physics	4.0	DFST102 - American Sign Language II	4.0
		DFST105 - Introduction to American Deaf Culture	3.0
		DFST106 - Introduction to Deaf Education	3.0
		DFST201 - American Sign Language III	4.0

DFST202 - American Sign Language IV	4.0	LATN101 - Elementary Latin 1	5.0
ENGL102 - Critical Thinking and Literature	3.0	LATN102 - Elementary Latin 2	5.0
ENGL111 - Creative Writing: Fiction	3.0	LATN201 - Intermediate Latin	5.0
ENGL112 - Creative Writing: Poetry	3.0	MUS101 - Music Appreciation	3.0
ENGL221 - American Literature 1400-1865	3.0	MUS105 - World Music	3.0
ENGL222 - American Literature 1865-Present	3.0	MUS111 - Fundamentals of Music (Music Theory I)	3.0
ENGL225 - English Literature, 800-1750	3.0	MUS131 - Piano I	2.0
ENGL227 - English Literature, 1750-Present	3.0	MUS132 - Piano II	2.0
ENGL230 - World Literature 1	3.0	MUS151 - Music Theory II	3.0
ENGL231 - World Literature 2	3.0	MUS153B - Musicianship II	2.0
ENGL235 - Shakespeare and Culture	3.0	MUS185 - Concert Choir	1.0
ENGL242 - Narrative and Culture	3.0	MUS231 - Piano III	2.0
ENGL253 - African American Literature	3.0	MUS251A - Music Theory III	3.0
ENGL256 - Latinx Literature	3.0	MUS251B - Music Theory IV	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	MUS253A - Musicianship III	2.0
ENGL259 - Gender, Image, and Rhetoric	3.0	MUS253B - Musicianship IV	2.0
ENGL265 - Film: Text and Context	3.0	MUSC102 - History of Jazz	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0	MUSC103 - History of Rock 'n Roll	3.0
FREN101 - Elementary French 1	5.0	MUSC107 - History of Women in Rock Music	3.0
FREN102 - Elementary French 2	5.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
FREN201 - Intermediate French 1	5.0	PHIL106 - Intro to Philosophy	3.0
FREN202 - Intermediate French 2	5.0	PHIL108 - Philosophy of Religion	3.0
FREN203 - Advanced French	3.0	PHIL109 - World Religions	3.0
FTV101 - Introduction to Film	3.0	PHOT107 - History of Photography	3.0
FTV103 - Introduction to Television	3.0	PHTC101 - Beginning Black and White Photography	3.0
FTV107 - History of Film, Pre 1950	3.0	PHTC150 - Beginning Color Photography	3.0
FTV108 - History of Film, 1950-Present	3.0	PHTC201 - Advanced Black and White Photography	3.0
FTV201 - Intercultural & Women's Film	3.0	SPAN101 - Elementary Spanish 1	5.0
FTV203 - African-American Cinema	3.0	SPAN102 - Elementary Spanish 2	5.0
FTV251 - Contemporary American Independent Film	4.0	SPAN110SS - Spanish for Heritage Speakers I	5.0
FTV261 - Religion and Cinema	4.0	SPAN201 - Intermediate Spanish 1	5.0
GER101 - Elementary German 1	5.0	SPAN202 - Intermediate Spanish 2	5.0
GER102 - Elementary German 2	5.0	SPAN210SS - Spanish for Heritage Speakers II	5.0
GER201 - Intermediate German 1	4.0	SPAN220SS - Composition and Conversation	5.0
GER202 - Intermediate German 2	4.0	THA101 - Introduction to Theatre	3.0
HIST115 - Cultural History of Mexico	3.0		

THA102 - Introduction to Stagecraft	3.0	HIST111 - African-American History, 1877-Present	3.0
THA103 - Introduction to Stage Lighting	3.0	HIST113 - Women in American History	3.0
THA110 - Fundamentals of Acting	3.0	MUSC107 - History of Women in Rock Music	3.0
THA115A - Rehearsal and Performance: Drama	1.0	MUSC108 - History of Hip Hop	3.0
THA116A - Rehearsal and Performance: Comedy	1.0	POLS202 - Ethnic Politics in America	3.0
THA117A - Rehearsal and Performance: Musical Theatre	1.0	SOC105 - The Mexican American in Contemporary Society	3.0
THA118A - Rehearsal and Performance: Children's Theatre	1.0	SOC110 - Ethnic Relations	3.0
THA121A - Theatre Production	1.0	SOC116 - Sociology of Gender and Sexuality	3.0
THA130 - Improvisation	3.0	THA239 - Intercultural and Women's Theatre	3.0
THA133 - Makeup for the Stage	3.0	Elective General Elective	2.0
THA225 - Script Analysis	3.0	Total Credits	15.0
THA239 - Intercultural and Women's Theatre	3.0		
Total Credits	14.0 - 19.0		

Term 4 Credits

Required Courses ABDY225 - Advanced Automotive Refinishing 10.0

Area F -Diversity Studies Take one of the following:

ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH112 - Native North Americans	3.0
BUS212 - Women in Organizations	3.0
CFE116 - Diversity in Early Childhood Education	3.0
COMM114 - Art of Storytelling	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
DFST106 - Introduction to Deaf Education	3.0
ECON110 - Economics of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0

**Program Outcomes
AS Auto Coll Repair & Refin Spec**

- 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**
- 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.**
- Evaluate, analyze and repair damaged automotive body panels/structures using body solder, fiberglass and plastic composite materials.**
- Use, read and properly interpret standard specifications for production-type spray equipment, coating materials, masking materials and color matching procedures.**
- Evaluate, analyze, and prepare, mask and spray automotive panel(s) using current technology paint coatings to industry standards.**
- Evaluate, analyze, color-sand and final detail a vehicle for customer delivery to industry standard.**

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

Auto Collision Repr Spec Cert (Total 30)

Complete all of the following

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY115 - Basic Auto Body Repair 10

Required Courses - Option 2 (Total 10)

Complete the following number of credits: 10

ABDY112 - Basic Auto Body Repair 5

ABDY113 - Basic Auto Body Repair 5

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY125 - Basic Automotive Refinishing 10

Required Courses - Option 2 (Total 10)

Complete the following number of credits: 10

ABDY122 - Basic Automotive Refinishing 5

ABDY123 - Automotive Refinishing 5

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY215 - Advanced Auto Collision Repair 10

Required Courses - Option (Total 10)

Complete the following number of credits: 10

ABDY212 - Advanced Auto Collision Repair I 5

ABDY213 - Advanced Auto Collision Repair II 5

Recommended Pathway

Night Sequence

Term 1	Credits
Required Courses - Option 2 ABDY112 - Basic Auto Body Repair	5.0
Required Courses - Option 2 ABDY122 - Basic Automotive Refinishing	5.0
Total Credits	10.0
Term 2	Credits
Required Courses - Option 2 ABDY113 - Basic Auto Body Repair	5.0
Required Courses - Option ABDY212 - Advanced Auto Collision Repair I	5.0
Total Credits	10.0
Term 3	Credits
Required Courses - Option 2 ABDY123 - Automotive Refinishing	5.0

Required Courses - Option ABDY213 - Advanced Auto Collision Repair II	5.0
Total Credits	10.0

Day Sequence

Term 1	Credits
Required Courses - Option 1 ABDY115 - Basic Auto Body Repair	10.0
Total Credits	10.0
Term 2	Credits
Required Courses - Option 1 ABDY125 - Basic Automotive Refinishing	10.0
Total Credits	10.0
Term 3	Credits
Required Courses - Option 1 ABDY215 - Advanced Auto Collision Repair	10.0
Total Credits	10.0

Program Outcomes

Auto Collision Repr Spec Cert

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 equipmen

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.

Evaluate, analyze and repair damaged automotive body panels/structures using body solder, fiberglass and plastic composite materials.

Automotive Collision Repair

Specialist AS

The requirements for an associate degree in Automotive Collision Repair Specialist may be satisfied by completing 30 units of required courses in Automotive Collision Repair Specialist of the certificate programs, 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 the auto collision industry. They have enhanced promotional opportunities as a cost estimator, insurance adjuster 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 all of the following

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY115 - Basic Auto Body Repair 10

Required Courses - Option 2 (Total 10)

Complete the following number of credits: 10

ABDY112 - Basic Auto Body Repair 5

ABDY113 - Basic Auto Body Repair 5

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY125 - Basic Automotive Refinishing 10

Required Courses - Option 2 (Total 10)

Complete the following number of credits: 10

ABDY122 - Basic Automotive Refinishing 5

ABDY123 - Automotive Refinishing 5

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY215 - Advanced Auto Collision Repair 10

Required Courses - Option 2 (Total 10)

Complete the following number of credits: 10

ABDY212 - Advanced Auto Collision Repair I 5

ABDY213 - Advanced Auto Collision Repair II 5

Recommended Pathway

Automotive Collision Repair Specialist Night Sequence

Term 1	Credits
Required Courses - Option 2 ABDY112 - Basic Auto Body Repair	5.0
D1 - Language & Rationality - Communication and Analytical Thinking ENGL101 - College Composition	3.0
Area E - Additional Breadth HD101 - College and Life Management	3.0
Elective General Elective	3.0
Total Credits	14.0

Term 2	Credits
Required Courses - Option 2 ABDY113 - Basic Auto Body Repair	5.0
Required Courses - Option 2 ABDY122 - Basic Automotive Refinishing	5.0
Required Courses - Option 2 ABDY212 - Advanced Auto Collision Repair I	5.0
Total Credits	15.0
Term 3	Credits
Required Courses - Option 2 ABDY123 - Automotive Refinishing	5.0
Required Courses - Option 2 ABDY213 - Advanced Auto Collision Repair II	5.0
Area A - Natural Sciences CHEM101 - Introductory Chemistry	5.0
Total Credits	15.0
Term 4	Credits
Area B - Social & Behavioral Sciences BUS101 - Introduction to Business	3.0
Area F -Diversity Studies Take one of the following:	
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH112 - Native North Americans	3.0
BUS212 - Women in Organizations	3.0
CFE116 - Diversity in Early Childhood Education	3.0
COMM114 - Art of Storytelling	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
DFST106 - Introduction to Deaf Education	3.0
ECON110 - Economics of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0

HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Area C - Humanities SPAN101 - Elementary Spanish 1	5.0
D2 - Language & Rationality - Communication and Analytical Thinking	3.0
COMM112 - Oral Interpretation	
Elective General Elective	2.0
Total Credits	16.0

Automotive Collision Repair Specialist Day Sequence

Term 1	Credits
Required Courses - Option 1 ABDY115 - Basic Auto Body Repair	10.0
Area A -Natural Sciences Take one of the following:	
ANTH101 - Introduction to Biological Anthropology	3.0
ASTR101 - Astronomy	3.0
BIOL100 - Elementary Human Anatomy and Physiology	3.0
BIOL101 - General Biology	3.0
BIOL104 - Environmental Biology	3.0
BIOL205 - Introduction to Biotechnology	3.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
GEOL101 - Physical Geology	3.0
GEOL102 - Historical Geology	3.0

D1 - Language & Rationality - Communication and Analytical Thinking	3.0
ENGL101 - College Composition	
Total Credits	16.0
Term 2	Credits
Required Courses - Option 1 ABDY125 - Basic Automotive Refinishing	10.0
D2 - Language & Rationality - Communication and Analytical Thinking	3.0
COMM112 - Oral Interpretation	
Area E - Additional Breadth HD101 - College and Life Management	3.0
Total Credits	16.0
Term 3	Credits
Required Courses - Option 1 ABDY215 - Advanced Auto Collision Repair	10.0
Area B - Social & Behavioral Sciences	3.0
BUS101 - Introduction to Business	
Elective General Elective	3.0
Total Credits	16.0
Term 4	Credits
Area F -Diversity Studies Take one of the following:	
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH112 - Native North Americans	3.0
BUS212 - Women in Organizations	3.0
CFE116 - Diversity in Early Childhood Education	3.0
COMM114 - Art of Storytelling	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
DFST106 - Introduction to Deaf Education	3.0
ECON110 - Economics of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0

FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Area C - Humanities SPAN101 - Elementary Spanish 1	5.0
Elective General Elective	3.0
Elective General Elective	1.0
Total Credits	12.0

Program Outcomes

AS Auto Collision Repair Spec

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.

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.

Evaluate, analyze and repair damaged automotive body panels/structures using body solder, fiberglass and plastic composite materials.

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 credits: 30

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY115 - Basic Auto Body Repair 10

Required Courses - Option 2 (Total 10)

Complete all of the following

ABDY112 - Basic Auto Body Repair 5

ABDY113 - Basic Auto Body Repair 5

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY125 - Basic Automotive Refinishing 10

Required Courses - Option 2 (Total 10)

Complete all of the following

ABDY122 - Basic Automotive Refinishing 5

ABDY123 - Automotive Refinishing 5

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY225 - Advanced Automotive Refinishing 10

Required Courses - Option 2 (Total 10)

Complete all of the following

ABDY222 - Advanced Automotive Refinishing I 5

ABDY223 - Advanced Automotive Refinishing II 5

Recommended Pathway

Automotive Refinishing Specialist Night Sequence

Term 1	Credits
Required Courses - Option 2 ABDY112 - Basic Auto Body Repair	5.0
Required Courses - Option 2 ABDY122 - Basic Automotive Refinishing	5.0
Total Credits	10.0
Term 2	Credits
Required Courses - Option 2 ABDY113 - Basic Auto Body Repair	5.0
Required Courses - Option 2 ABDY222 - Advanced Automotive Refinishing I	5.0
Total Credits	10.0
Term 3	Credits
Required Courses - Option 2 ABDY123 - Automotive Refinishing	5.0

Required Courses - Option 2 ABDY223 -
Advanced Automotive Refinishing II 5.0

Total Credits 10.0

Auto Refinishing Specialist Cert Day Sequence

Term 1 Credits

Required Courses - Option 1 ABDY115 -
Basic Auto Body Repair 10.0

Total Credits 10.0

Term 2 Credits

Required Courses - Option 1 ABDY125 -
Basic Automotive Refinishing 10.0

Total Credits 10.0

Term 3 Credits

Required Courses - Option 1 ABDY225 -
Advanced Automotive Refinishing 10.0

Total Credits 10.0

Program Outcomes

Auto Refinishing Spec Cert

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 equipmen

Use, read and properly interpret standard specifications for production-type spray equipment, coating materials, masking materials and color matching procedures.

Evaluate, analyze, and prepare, mask and spray automotive panel(s) using current technology paint coatings to industry standards.

Evaluate, analyze, color-sand and final detail a vehicle for customer delivery to industry standard.

Automotive Refinishing Specialist

AS

The requirements for an associate degree in Auto Refinishing Specialist may be satisfied by completing 30 units of required courses in Automotive Refinishing Specialist 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 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 all of the following

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY115 - Basic Auto Body Repair 10

Required Courses - Option 2 (Total 10)

Complete all of the following

ABDY112 - Basic Auto Body Repair 5

ABDY113 - Basic Auto Body Repair 5

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY125 - Basic Automotive Refinishing 10

Required Courses - Option 2 (Total 10)

Complete all of the following

ABDY122 - Basic Automotive Refinishing 5

ABDY123 - Automotive Refinishing 5

Required Courses - Option 1 (Total 10)

Complete the following number of credits: 10

ABDY225 - Advanced Automotive Refinishing 10

Required Courses - Option 2 (Total 10)

Complete all of the following

ABDY222 - Advanced Automotive Refinishing I 5

ABDY223 - Advanced Automotive Refinishing II 5

Recommended Pathway

Night Sequence

Term 1 Credits

**D1 - Language & Rationality -
Communication and Analytical Thinking** 3.0

ENGL101 - College Composition

Area E - Additional Breadth HD101 -
College and Life Management 3.0

Required Courses - Option 2 ABDY112 -
Basic Auto Body Repair 5.0

Total Credits 11.0

Term 2	Credits	ENGL256 - Latinx Literature	3.0
Area B - Social & Behavioral Sciences		ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
BUS101 - Introduction to Business	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
D2 - Language & Rationality - Communication and Analytical Thinking		FTV201 - Intercultural & Women's Film	3.0
COMM112 - Oral Interpretation	3.0	FTV203 - African-American Cinema	3.0
Required Courses - Option 2 ABDY113 - Basic Auto Body Repair	5.0	HE201 - Women's Health Issues	3.0
Required Courses - Option 2 ABDY122 - Basic Automotive Refinishing	5.0	HIST110 - African-American History, 1450-1877	3.0
Total Credits	16.0	HIST111 - African-American History, 1877-Present	3.0
Term 3	Credits	HIST113 - Women in American History	3.0
Area A - Natural Sciences CHEM101 - Introductory Chemistry	5.0	MUSC107 - History of Women in Rock Music	3.0
Required Courses - Option 2 ABDY123 - Automotive Refinishing	5.0	MUSC108 - History of Hip Hop	3.0
Required Courses - Option 2 ABDY222 - Advanced Automotive Refinishing I	5.0	POLS202 - Ethnic Politics in America	3.0
Elective General Elective	2.0	SOC105 - The Mexican American in Contemporary Society	3.0
Total Credits	17.0	SOC110 - Ethnic Relations	3.0
Term 4	Credits	SOC116 - Sociology of Gender and Sexuality	3.0
Required Courses - Option 2 ABDY223 - Advanced Automotive Refinishing II	5.0	THA239 - Intercultural and Women's Theatre	3.0
Area C - Humanities SPAN101 - Elementary Spanish I	5.0	Elective General Elective	3.0
Area F -Diversity Studies Take one of the following:		Total Credits	16.0
ANTH102 - Introduction to Cultural Anthropology	3.0	Day Sequence	
ANTH112 - Native North Americans	3.0	Term 1	Credits
BUS212 - Women in Organizations	3.0	D1 - Language & Rationality - Communication and Analytical Thinking	3.0
CFE116 - Diversity in Early Childhood Education	3.0	ENGL101 - College Composition	
COMM114 - Art of Storytelling	3.0	Area E - Additional Breadth HD101 - College and Life Management	3.0
COMM217 - Gender and Communication	3.0	Required Courses - Option 1 ABDY115 - Basic Auto Body Repair	10.0
COMM219 - Introduction to Intercultural Communication	3.0	Total Credits	16.0
DFST105 - Introduction to American Deaf Culture	3.0	Term 2	Credits
DFST106 - Introduction to Deaf Education	3.0	Required Courses - Option 1 ABDY125 - Basic Automotive Refinishing	10.0
ECON110 - Economics of the Underclass	3.0	Area B - Social & Behavioral Sciences	3.0
ENGL253 - African American Literature	3.0	BUS101 - Introduction to Business	
		D2 - Language & Rationality - Communication and Analytical Thinking	3.0
		COMM112 - Oral Interpretation	

Total Credits	16.0
Term 3	Credits
Area A - Natural Sciences CHEM101 - Introductory Chemistry	5.0
Required Courses - Option 1 ABDY225 - Advanced Automotive Refinishing	10.0
Total Credits	15.0
Term 4	Credits
Area F -Diversity Studies Take one of the following:	
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH112 - Native North Americans	3.0
BUS212 - Women in Organizations	3.0
CFE116 - Diversity in Early Childhood Education	3.0
COMM114 - Art of Storytelling	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
DFST106 - Introduction to Deaf Education	3.0
ECON110 - Economics of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450- 1877	3.0
HIST111 - African-American History, 1877- Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0

SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Area C - Humanities SPAN101 - Elementary Spanish 1	5.0
Elective Take one of the following:	
ART101 - History of Art, Prehistoric to Gothic	3.0
DA101 - Dance Appreciation	3.0
FTV107 - History of Film, Pre 1950	3.0
MUS101 - Music Appreciation	3.0
THA111 - Theatre History I	3.0
General Elective	3.0
Elective General Elective	2.0
Total Credits	13.0

Program Outcomes

AS Auto Refinishing Spec

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 equipmen

Use, read and properly interpret standard specifications for production-type spray equipment, coating materials, masking materials and color matching procedures.

Evaluate, analyze, and prepare, mask and spray automotive panel(s) using current technology paint coatings to industry standards.

Evaluate, analyze, color-sand and final detail a vehicle for customer delivery to industry standard.

Basic Auto Body Repair

ABDY112:

5.0 Units

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)

Basic Auto Body Repair

ABDY113:

5.0 Units

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)

Basic Auto Body Repair

ABDY115:

10.0 Units

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)

Basic Automotive Refinishing

ABDY122:

5.0 Units

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)

Automotive Refinishing

ABDY123:

5.0 Units

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)

Basic Automotive Refinishing

ABDY125:

10.0 Units

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)

Occupational Work Experience

ABDY199:

4.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Advanced Auto Collision Repair I

ABDY212:

5.0 Units

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)

Advanced Auto Collision Repair II

ABDY213:

5.0 Units

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)

Advanced Auto Collision Repair

ABDY215:

10.0 Units

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)

Advanced Automotive Refinishing I

ABDY222:

5.0 Units

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)

Advanced Automotive Refinishing II

ABDY223:

5.0 Units

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)

Advanced Automotive Refinishing

ABDY225:

10.0 Units

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)

Automotive Technology

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

All Automotive Systems Certificate

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

- AUTO100 - Introduction to Automotive Technology 4
- AUTO160 - Automotive Electrical Fundamentals 4
- AUTO211 - Automotive Engine Operation and Repair 6
- AUTO220 - Automatic Transmissions and Transaxles 5
- AUTO230 - Manual Transmissions, Transaxles, and Drivelines 4
- AUTO240 - Automotive Suspension and Steering 6
- AUTO250 - Automotive Brake Systems 5
- AUTO260 - Automotive Electrical Systems 5
- AUTO270 - Automotive Heating and Air Conditioning 4
- AUTO280 - Automotive Engine Performance 5

Recommended Pathway

All Automotive Systems Certificate

Term 1	Credits
All Automotive Systems Certificate AUTO100 - Introduction to Automotive Technology	4.0
All Automotive Systems Certificate AUTO160 - Automotive Electrical Fundamentals	4.0
Total Credits	8.0

Term 2	Credits
All Automotive Systems Certificate AUTO211 - Automotive Engine Operation and Repair	6.0
All Automotive Systems Certificate AUTO260 - Automotive Electrical Systems	5.0
Total Credits	11.0
Term 3	Credits
All Automotive Systems Certificate AUTO270 - Automotive Heating and Air Conditioning	4.0
Total Credits	4.0
Term 4	Credits
All Automotive Systems Certificate AUTO220 - Automatic Transmissions and Transaxles	5.0
All Automotive Systems Certificate AUTO230 - Manual Transmissions, Transaxles, and Drivelines	4.0
All Automotive Systems Certificate AUTO280 - Automotive Engine Performance	5.0
Total Credits	14.0
Term 5	Credits
All Automotive Systems Certificate AUTO240 - Automotive Suspension and Steering	6.0
All Automotive Systems Certificate AUTO250 - Automotive Brake Systems	5.0
Total Credits	11.0

Program Outcomes

All Automotive Systems

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.

Evaluate and apply Federal and State regulatory automotive industry requirements.

Apply theories of operation, analyze information, evaluate findings, troubleshoot, and repair major automotive systems to meet automotive standards.

Develop diverse skill sets pertaining to the automotive repair standards and performance tasks.

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

AUTO100 - Introduction to Automotive Technology	4
AUTO160 - Automotive Electrical Fundamentals	4
AUTO211 - Automotive Engine Operation and Repair	6
AUTO220 - Automatic Transmissions and Transaxles	5
AUTO230 - Manual Transmissions, Transaxles, and Drivelines	4
AUTO240 - Automotive Suspension and Steering	6
AUTO250 - Automotive Brake Systems	5
AUTO260 - Automotive Electrical Systems	5
AUTO270 - Automotive Heating and Air Conditioning	4
AUTO280 - Automotive Engine Performance	5

Recommended Pathway

All Automotive Systems AS

Term 1	Credits
All Automotive Systems AS AUTO100 - Introduction to Automotive Technology	4.0
Area A - Natural Sciences PSCI101 - Physical Science	4.0
All Automotive Systems AS AUTO160 - Automotive Electrical Fundamentals	4.0
Total Credits	12.0
Term 2	Credits
Area B - Social & Behavioral Sciences	
Take one of the following:	
AJ201 - Police in Society	3.0
AJ204 - Juvenile Procedures	3.0
AJ206 - Criminology	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0

ANTH103 - Archaeology and World Prehistory	3.0
ANTH112 - Native North Americans	3.0
ANTH140 - Intro to Archaeology	4.0
BUS101 - Introduction to Business	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0
COMM217 - Gender and Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
ECON100 - Survey of Economics	3.0
ECON101 - Principles of Macroeconomics	3.0
ECON102 - Principles of Microeconomics	3.0
ECON110 - Economics of the Underclass	3.0
GEOG105 - Cultural Geography	3.0
GEOG106 - California Geography	3.0
GEOG110 - World Regional Geography	3.0
HIST101 - Western Civilization, Ancient-1750	3.0
HIST102 - Western Civilization, 1750 - Present	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0
HIST107 - U.S. History, 1607-1877	3.0
HIST108 - U.S. History from 1865	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
HIST114 - History of California	3.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
HIST118 - American West History, 1806-Present	3.0
HIST119 - History of Latin America and the Caribbean	3.0
POLS101 - American Political Institutions	3.0

POLS103 - Comparative Government	3.0	D1 - Language & Rationality -	
POLS200 - Introduction to Political Theory	3.0	Communication and Analytical Thinking	3.0
POLS201 - Contemporary International Relations	3.0	ENGL101 - College Composition	
POLS202 - Ethnic Politics in America	3.0	All Automotive Systems AS AUTO220 -	5.0
POLS203 - The Judicial Process	3.0	Automatic Transmissions and Transaxles	
PSY101 - General Psychology	3.0	All Automotive Systems AS AUTO230 -	4.0
PSY102 - Introduction to Alcohol and Other Drug Studies	3.0	Manual Transmissions, Transaxles, and Drivelines	
PSY201 - Introduction to Physiological Psychology	3.0	All Automotive Systems AS AUTO280 -	5.0
PSY212 - Human Sexuality	3.0	Automotive Engine Performance	
PSY230 - Social Psychology	3.0	Total Credits	17.0
PSY232 - Theories of Personality	3.0	Term 5	Credits
PSY233 - Personal and Social Adjustment	3.0	Area E - Additional Breadth COMM107 -	
PSY234 - Abnormal Psychology	3.0	Introduction to Interpersonal Communication	3.0
PSY235 - Child Psychology	3.0	All Automotive Systems AS AUTO240 -	6.0
PSY236 - Developmental Psychology	3.0	Automotive Suspension and Steering	
SOC101 - Introduction to Sociology	3.0	All Automotive Systems AS AUTO250 -	5.0
SOC105 - The Mexican American in Contemporary Society	3.0	Automotive Brake Systems	
SOC110 - Ethnic Relations	3.0	Total Credits	14.0
SOC112 - American Social Issues: Problems and Challenges	3.0	Term 6	Credits
SOC111 - Issues and Concepts in Aging	3.0	Area C - Humanities PHIL105 - Ethics:	3.0
SOC115 - Marriage and Family Life	3.0	Moral Issues in Contemporary Society	
SOC116 - Sociology of Gender and Sexuality	3.0	Area F -Diversity Studies Take one of the following:	
SOC120 - Drugs, Society and Human Behavior	3.0	ANTH102 - Introduction to Cultural Anthropology	3.0
All Automotive Systems AS AUTO211 -	6.0	ANTH112 - Native North Americans	3.0
Automotive Engine Operation and Repair		BUS212 - Women in Organizations	3.0
All Automotive Systems AS AUTO260 -	5.0	CFE116 - Diversity in Early Childhood Education	3.0
Automotive Electrical Systems		COMM114 - Art of Storytelling	3.0
Total Credits	14.0 - 15.0	COMM217 - Gender and Communication	3.0
Term 3	Credits	COMM219 - Introduction to Intercultural Communication	3.0
All Automotive Systems AS AUTO270 -	4.0	DFST105 - Introduction to American Deaf Culture	3.0
Automotive Heating and Air Conditioning		DFST106 - Introduction to Deaf Education	3.0
Total Credits	4.0	ECON110 - Economics of the Underclass	3.0
Term 4	Credits	ENGL253 - African American Literature	3.0
		ENGL256 - Latinx Literature	3.0

ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
D2 - Language & Rationality - Communication and Analytical Thinking	3.0
PHIL101 - Fundamental Reasoning Skills	3.0
Total Credits	9.0

Program Outcomes

All Automotive Systems

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.

Evaluate and apply Federal and State regulatory automotive industry requirements.

Apply theories of operation, analyze information, evaluate findings, troubleshoot, and repair major automotive systems to meet automotive standards.

Develop diverse skill sets pertaining to the automotive repair standards and performance tasks.

Introduction to Automotive Technology

AUTO100:

4.0 Units

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. (AVC)

Basic Automotive Practicum

AUTO101:

1.0 Units

Advisory: Completion of or concurrent enrollment in AUTO 100. A basic "hands-on" course in automotive preventive maintenance and minor repair. Students must furnish own work clothes and safety glasses. (AVC)

Basic Automotive Practicum

AUTO102:

1.0 Units

Advisory: Completion of AUTO 100. Prerequisite: Completion of AUTO 101. A course in automotive preventative servicing, and simple repairs. Students repeat some of the same operations as required in AUTO 101, this time with greater proficiency; as well as tackle additional repairs and service. Consult with the instructor for individual instruction on more complex jobs. (AVC)

Automotive Engine Rebuilding (Lower End)

AUTO111:

4.0 Units

Advisory: Completion of AUTO 100. A course in the fundamentals of automotive engine repair and rebuilding includes laboratory experience in modern techniques of engine diagnosis, overhaul, maintenance and rebuilding. This class is the first in the sequence and deals primarily with the engine lower end/ short block and lubrication system. (AVC)

Automotive Engine Rebuilding (Upper End)

AUTO112:

4.0 Units

Advisory: Completion of AUTO 100. A course in the fundamentals of automotive engine repair and rebuilding primarily with cylinder head, cooling system, valve train, and related parts. Included is laboratory experience in modern techniques of engine diagnosis, overhaul, maintenance, and rebuilding. (AVC)

Advanced Engine Rebuilding

AUTO113:

4.0 Units

Prerequisite: Completion of AUTO 11, or completion of AUTO 111 and AUTO 112. A course in the repair and rebuilding of automotive engines. The student will already have completed AUTO 110 or completed both AUTO 111 and AUTO 112. The student will complete projects at his/her own rate. (AVC)

Automotive Chassis

AUTO125:

10.0 Units

Advisory: Completion of AUTO 100. A course designed to help prepare students for a career in the automotive industry. Topics covered include fundamentals, maintenance, service, and repair of automotive braking systems, steering systems, suspension systems, wheel alignment, and manual power trains. Students who successfully complete the course are prepared for entry level job positions in the area of steering and suspension. Required course for Automotive Engine and Drive Train Certificate. (AVC)

Automotive Chassis and Body Electrical Systems

AUTO151:

4.0 Units

Advisory: Completion of AUTO 100. A course in automotive electrical systems. Includes laboratory experiences in accessory circuitry, dash instruments, lighting, safety, and related control circuits. Emphasis is placed on the correct use of the ohmmeter, voltmeter, ammeter, digital storage oscilloscope, test light, jumperwire, wiring diagrams, and modern techniques of electrical diagnosis. (AVC)

Automotive Ignition Systems

AUTO152:

2.0 Units

Advisory: Completion of AUTO 100, AUTO 101 and AUTO 151. Course in automotive electrical tune-up, includes fundamentals of electricity, electronics, service, repair and adjustment of components dealing with various automotive starting and ignition systems. (AVC)

Auto Starting and Charging Systems

AUTO153:

2.0 Units

Advisory: Completion of AUTO 100, AUTO 101, and AUTO 151. This course is to familiarize the student with the principles of automotive starting and charging systems on an advanced level. Operation of the different electrical components, diagnosis and service are stressed. (AVC)

Automotive Electrical Fundamentals

AUTO160:

4.0 Units

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. (AVC)

Automotive Fuel, Emissions Systems, and California Clean Air Care Course

AUTO175:

10.0 Units

Advisory: Completion of AUTO 100, and AUTO 101. A course developed to prepare the automotive technician to diagnose and repair carburetor and electronic fuel injection, electronic engine control systems, emission systems, and pass the California Bureau of Automotive Repair Smog Check Mechanic Qualified Unlimited examination. (AVC)

Automotive Carburetor Fuel Systems

AUTO176:

2.0 Units

Advisory: Completion of AUTO 100. A course in automotive carburetor fuel systems. Includes fundamentals in fuel delivery, internal and external carburetor adjustments on computer and non-computer controlled carburetors. (AVC)

Electronic Fuel Injection

AUTO177:

4.0 Units

Advisory: Completion of AUTO 100 and AUTO 151. A course in understanding, diagnosis, and testing electronic fuel injection systems. This course will cover systems used on Chrysler, Ford, GM, and selected imports. (AVC)

Advanced Emissions Diagnostics Training Seminar (BAR "20" HOUR UPDATE)

AUTO198H:

1.5 Units

Designed to update currently licensed Smog Check technicians and is a prerequisite to renewing a Smog Check technician license. Covers current automotive diagnostic procedures and Bureau of Automotive Repair (BAR) procedures that affect the inspection, diagnosis and repair of vehicles subject to the Smog Check Inspection and Maintenance program. NOTE: No grade will be given for this class; student will receive "pass" or "no pass" only. (AVC) (R unlimited*) *Course repeatability allowed for mandated training as stated in Title 5, Sections 55763(c) and 58161(c)

Work Experience

AUTO199:

1.0 - 4.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Automotive Engine Operation and Repair

AUTO211:

6.0 Units

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. (AVC)

Automatic Transmissions and Transaxles

AUTO220:

5.0 Units

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. (AVC)

Manual Transmissions, Transaxles, and Drivelines

AUTO230:

4.0 Units

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. (AVC)

General Motors Automatic Transmission

AUTO231:

2.0 Units

Advisory: Completion of AUTO 100. A course intended to prepare students for an entry level position in automatic transmission diagnosis and repair. Course will cover fundamentals, maintenance, service, and repair of late model General Motors transmissions and transaxles. Required course for automotive certificate in automotive engines and drive trains. (AVC)

Automatic Transmissions (Ford and Chrysler)

AUTO232:

2.0 Units

Advisory: Completion of AUTO 100. A course intended to prepare students for an entry level position in automatic transmission diagnosis and repair. Course will cover fundamentals, maintenance, service, and repair of late model Ford and Chrysler transmissions and transaxles. Required course for automotive certificate in automotive engines and drive trains. (AVC)

Automotive Suspension and Steering

AUTO240:

6.0 Units

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. (AVC)

Automotive Brake Systems

AUTO250:

5.0 Units

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. (AVC)

Automotive Electrical Systems

AUTO260:

5.0 Units

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. (AVC)

Automotive Heating and Air Conditioning

AUTO270:

4.0 Units

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. (AVC)

Engine Performance Emissions

AUTO276:

8.0 Units

Advisory: Completion of AUTO 100, AUTO 176 and AUTO 177. Designed to prepare students and technicians wishing to become state of California licensed smog inspection technicians. Covers both the basic and advanced California Clean Air Car Courses. Both courses are needed to partially satisfy the education prerequisite required to become a licensed Advanced Emission Specialist. Students wishing to take the exam must have one year of experience or education in the automotive engine performance area prior to taking the exam. Other interested parties are allowed to take the course, but will not be certified as eligible to take the state licensing examination given by the Bureau of Automotive Repair (BAR). (AVC)

Electronic Engine Controls- General Motors Systems

AUTO277:

4.0 Units

A course designed for students preparing for a career in the automotive profession. Course will cover General Motors microprocessor controlled ignition and fuel systems. Subjects covered include microprocessor operation, sensors, actuators, and closed loop operation. Special emphasis will be placed on diagnosis and testing of electronic components. Students who successfully complete course are prepared for entry level job position in the area of engine performance. BEFORE ENROLLING, it is advised that students should have a background in engine performance and electrical systems. (AVC)

Electronic Engine Controls— Ford/Chrysler Systems

AUTO278:

4.0 Units

A course designed for students preparing for a career in the automotive profession. Course will cover Ford and Chrysler microprocessor controlled ignition and fuel systems. Subjects covered include microprocessor operation, sensors, actuators, and closed loop operation. Special emphasis will be placed on diagnosis and testing of electronic components. Students who successfully complete course are prepared for entry level job position in the area of engine performance. BEFORE ENROLLING, it is advised that students should have a background in engine performance and electrical systems. (AVC)

Automotive Engine Performance

AUTO280:

5.0 Units

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. (AVC)

Biology

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 for Transfer (AS-T) degree may only be earned by completing the Intersegmental General Education Transfer Curriculum (IGETC) for STEM or the California State University General Education – Breadth Requirements for STEM. Please consult a counselor for additional information.**

****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.)**

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.

Program Requirements

Biological Sciences AS (Total 18 - 20)

Complete all of the following

Required Courses (Total 10)

Complete the following number of credits: 10

BIOL110 - General Molecular Cell Biology 5

BIOL120 - General Organismal, Ecological and Evolutionary Biology 5

Program Electives (Total 8 - 10)

Complete the following number of credits: 8-10

BIOL201 - General Human Anatomy 4

BIOL202 - General Human Physiology 4

BIOL204 - General Microbiology 5

CHEM110 - General Chemistry 5

CHEM120 - General Chemistry 5

Suggested Courses (Total 0)

Complete the following number of credits: 0

MATH140 - Precalculus 5

PHYS101 - Introductory Physics 4

PHYS102 - Introductory Physics 4

Recommended Pathway

Biological Sciences AS

Term 1

Credits

Area B - Social & Behavioral Sciences

Take one of the following:

ANTH102 - Introduction to Cultural Anthropology 3.0

ANTH112 - Native North Americans 3.0

GEOG106 - California Geography 3.0

POLS101 - Amer Political Institutions 3.0

D1 - Language & Rationality -

Communication and Analytical Thinking 3.0

ENGL101 - Academic Composition

D2 - Language & Rationality -

Communication and Analytical Thinking 5.0

MATH140 - Precalculus

Area E -Additional Breadth	
Take one of the following:	
COMM107 - Introduction to Interpersonal Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
Total Credits	14.0
Term 2	Credits
Required Courses BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
Program Electives CHEM110 - General Chemistry	5.0
Area C - Humanities PHIL106 - Intro to Philosophy	3.0
Elective General Elective	3.0
Total Credits	16.0
Term 3	Credits
Suggested Courses PHYS101 - Introductory Physics	4.0
Required Courses BIOL110 - General Molecular Cell Biology	5.0
Area F - Diversity Studies Take one of the following:	
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH112 - Native North Americans	3.0
BUS212 - Women in Organizations	3.0
CFE116 - Diversity Early Childhood Ed	3.0
COMM114 - Art of Storytelling	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
DFST105 - Intro to American Deaf Culture	3.0
DFST106 - Intro to Deaf Education	3.0
ECON110 - Econ of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Native-Amer Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0

HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - Mexican Amer Contemp Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender&Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Elective General Elective	3.0
Total Credits	15.0
Term 4	Credits
Suggested Courses PHYS102 - Introductory Physics	4.0
Program Electives CHEM120 - General Chemistry	5.0
Elective General Elective	3.0
Elective General Elective	3.0
Total Credits	15.0

Program Outcomes

AS Biological Sciences

Demonstrate a practical working knowledge of the scientific method, and the ability to collect, evaluate, and analyze scientific data.

Demonstrate an understanding of the cell structure, function, and chemistry at the molecular, cellular, tissue, and organismal levels.

Develop an understanding of the interactive role of living organisms in ecosystems and the environment.

Examine and evaluate the role of evolution and natural selection at the cellular and organismal levels.

Demonstrate the ability to use laboratory equipment and methods safely and proficiently as an individual or as a group.

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 AS-T in Biology is designed to prepare students for transfer to a baccalaureate degree program in biology, particularly at the California State University. 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: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education--Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a "C" (or "P") or better in all courses required for the major or area of emphasis.

Program Requirements

Biology AS-T (Total 33)

Complete all of the following

Required Courses (Total 10)

Complete the following number of credits: 10

BIOL110 - General Molecular Cell Biology 5
 BIOL120 - General Organismal, Ecological and Evolutionary Biology 5

Required Electives A (Total 23)

Complete all of the following

Required Electives A (Total 23)

Complete all of the following

CHEM110 - General Chemistry 5
 CHEM120 - General Chemistry 5
 MATH150 - Calculus and Analytic Geometry 5

Required Electives A (Total 8)

Complete the following number of credits: 8

Either PHYS 101 and 102 OR PHYS 110 and 120 may be taken 0

PHYS101 - Introductory Physics 4
 PHYS102 - Introductory Physics 4
 PHYS110 - General Physics 4
 PHYS120 - General Physics 4

Recommended Pathway

Fall, First Semester

Credits

Required Electives A CHEM110 - General Chemistry 5.0

Required Electives A MATH150 - Calculus and Analytic Geometry 5.0

Area 1 Group A – English Composition
 ENGL101 - College Composition 3.0

Area 3B – Humanities Take one of the following:

CHIN201 - Intermediate Chinese 5.0

CHIN202 - Intermediate Chinese 5.0

ENGL221 - American Literature 1400-1865 3.0

ENGL222 - American Literature 1865-Present 3.0

ENGL225 - English Literature, 800-1750 3.0

ENGL227 - English Literature, 1750-Present 3.0

ENGL230 - World Literature 1 3.0

ENGL231 - World Literature 2 3.0

ENGL235 - Shakespeare and Culture 3.0

ENGL242 - Narrative and Culture 3.0

ENGL253 - African American Literature 3.0

ENGL257 - Ethnic Studies: Native American Studies in Literature 3.0

ENGL256 - Latinx Literature 3.0

ENGL259 - Gender, Image, and Rhetoric 3.0

ENGL265 - Film: Text and Context 3.0

ENGL279 - Science Fiction and Dystopian Literature 3.0

FREN201 - Intermediate French 1	5.0	HIST111 - African-American History, 1877-Present	3.0
FREN202 - Intermediate French 2	5.0	HIST113 - Women in American History	3.0
FREN203 - Advanced French	3.0	HIST115 - Cultural History of Mexico	3.0
FTV201 - Intercultural & Women's Film	3.0	HIST119 - History of Latin America and the Caribbean	3.0
FTV203 - African-American Cinema	3.0	Total Credits	16.0 - 18.0
GER102 - Elementary German 2	5.0	Spring, Second Semester	Credits
GER201 - Intermediate German 1	4.0	Required Electives A CHEM120 - General Chemistry	5.0
GER202 - Intermediate German 2	4.0	Area 1 Group B – Critical Thinking - English Composition	
HIST115 - Cultural History of Mexico	3.0	Take one of the following:	
LATN201 - Intermediate Latin	5.0	ENGL102 - Critical Thinking and Literature	3.0
PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0	ENGL103 - Critical Thinking and Research	3.0
PHIL106 - Intro to Philosophy	3.0	PHIL201 - Critical Thinking	3.0
PHIL108 - Philosophy of Religion	3.0	Area 6 – Language Other Than English (UC Requirements)	
PHIL109 - World Religions	3.0	Take one of the following:	
PHOT107 - History of Photography	3.0	CHIN102 - Elementary Chinese 2	5.0
SPAN110SS - Spanish for Heritage Speakers I	5.0	CHIN201 - Intermediate Chinese	5.0
SPAN201 - Intermediate Spanish 1	5.0	CHIN202 - Intermediate Chinese	5.0
SPAN202 - Intermediate Spanish 2	5.0	DFST102 - American Sign Language II	4.0
SPAN203 - Introduction to Hispanic Literature	3.0	DFST201 - American Sign Language III	4.0
SPAN210SS - Spanish for Heritage Speakers II	5.0	DFST202 - American Sign Language IV	4.0
SPAN220SS - Composition and Conversation	5.0	FREN102 - Elementary French 2	5.0
THA239 - Intercultural and Women's Theatre	3.0	FREN201 - Intermediate French 1	5.0
HIST101 - Western Civilization, Ancient-1750	3.0	FREN202 - Intermediate French 2	5.0
HIST102 - Western Civilization, 1750 - Present	3.0	FREN203 - Advanced French	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	GER102 - Elementary German 2	5.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	GER201 - Intermediate German 1	4.0
HIST107 - U.S. History, 1607-1877	3.0	GER202 - Intermediate German 2	4.0
HIST108 - U.S. History from 1865	3.0	LATN102 - Elementary Latin 2	5.0
HIST110 - African-American History, 1450-1877	3.0	LATN201 - Intermediate Latin	5.0
		SPAN102 - Elementary Spanish 2	5.0
		SPAN110SS - Spanish for Heritage Speakers I	5.0
		SPAN201 - Intermediate Spanish 1	5.0
		SPAN202 - Intermediate Spanish 2	5.0

SPAN203 - Introduction to Hispanic Literature	3.0	HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
SPAN210SS - Spanish for Heritage Speakers II	5.0	HIST102 - Western Civilization, 1750 - Present	3.0
SPAN220SS - Composition and Conversation	5.0	HIST101 - Western Civilization, Ancient-1750	3.0
Area 4 – Social and Behavioral Sciences		GEOG110 - World Regional Geography	3.0
POLS101 - American Political Institutions	3.0	GEOG105 - Cultural Geography	3.0
Total Credits	14.0 - 16.0	HIST108 - U.S. History from 1865	3.0
Fall, Third Semester	Credits	HIST110 - African-American History, 1450-1877	3.0
Required Courses BIOL110 - General Molecular Cell Biology	5.0	HIST111 - African-American History, 1877-Present	3.0
Required Electives A Take one of the following:		HIST113 - Women in American History	3.0
PHYS101 - Introductory Physics	4.0	HIST114 - History of California	3.0
PHYS110 - General Physics	4.0	HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
Area 1 Group C – Oral Communication (CSU Only) COMM101 - Introduction to Public Speaking	3.0	HIST119 - History of Latin America and the Caribbean	3.0
Elective General Elective	3.0	POLS101 - American Political Institutions	3.0
Total Credits	15.0	POLS103 - Comparative Government	3.0
Spring, Fourth Semester	Credits	POLS200 - Introduction to Political Theory	3.0
Required Courses BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0	POLS202 - Ethnic Politics in America	3.0
Area 4 – Social and Behavioral Sciences		POLS203 - The Judicial Process	3.0
Take one of the following:		PSY101 - General Psychology	3.0
AJ206 - Criminology	3.0	PSY200 - Introduction to Research Methods in Psychology	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	PSY201 - Introduction to Physiological Psychology	3.0
ANTH103 - Archaeology and World Prehistory	3.0	PSY212 - Human Sexuality	3.0
ANTH112 - Native North Americans	3.0	PSY230 - Social Psychology	3.0
DFST106 - Introduction to Deaf Education	3.0	PSY232 - Theories of Personality	3.0
ECON100 - Survey of Economics	3.0	PSY233 - Personal and Social Adjustment	3.0
ECON101 - Principles of Macroeconomics	3.0	PSY234 - Abnormal Psychology	3.0
ECON102 - Principles of Microeconomics	3.0	PSY235 - Child Psychology	3.0
ECON110 - Economics of the Underclass	3.0	PSY236 - Developmental Psychology	3.0
HIST107 - U.S. History, 1607-1877	3.0	SOC101 - Introduction to Sociology	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC105 - The Mexican American in Contemporary Society	3.0

SOC110 - Ethnic Relations	3.0
SOC111 - Issues and Concepts in Aging	3.0
SOC112 - American Social Issues: Problems and Challenges	3.0
SOC115 - Marriage and Family Life	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
Required Electives A Take one of the following:	
PHYS102 - Introductory Physics	4.0
PHYS120 - General Physics	4.0
Area 3A – Arts Take one of the following:	
ART100 - Art Appreciation	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0
ART102 - History of Art, Renaissance to Modern	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0
DA101 - Dance Appreciation	3.0
ENGL235 - Shakespeare and Culture	3.0
FTV101 - Introduction to Film	3.0
FTV107 - History of Film, Pre 1950	3.0
FTV108 - History of Film, 1950-Present	3.0
FTV203 - African-American Cinema	3.0
MUS101 - Music Appreciation	3.0
MUS105 - World Music	3.0
MUSC102 - History of Jazz	3.0
MUSC103 - History of Rock 'n Roll	3.0
MUSC107 - History of Women in Rock Music	3.0
THA101 - Introduction to Theatre	3.0
THA110 - Fundamentals of Acting	3.0
Total Credits	15.0

Program Outcomes

AS-T Biology

Demonstrate a practical working knowledge of the scientific method, and the ability to collect, evaluate, and analyze scientific data.

Demonstrate an understanding of the cell structure, function, and chemistry at the molecular, cellular, tissue, and organismal levels.

Develop an understanding of the interactive role of living organisms in ecosystems and the environment.

Examine and evaluate the role of evolution and natural selection at the cellular and organismal levels.

Demonstrate the ability to use laboratory equipment and methods safely and proficiently as an individual or as a group.

Elementary Human Anatomy and Physiology

BIOL100:

3.0 Units

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) (GE: AVC Area A)

General Biology

BIOL101:

3.0 Units

Corequisite: Concurrent enrollment in BIOL 101L. A general education non-major biology course designed to acquaint the students with the nature of science, the unity of life processes, the diversity of living things, the interdependence of organisms in the biosphere. the mechanisms that have shaped life on Earth, and with humans as biological entities. This course has a corequisite and must be taken concurrently with BIOL 101L. NOTE: Biology majors should take BIOL 110 and BIOL 120 instead of this course. (UC, CSU, AVC) (GE: IGETC Area 5B, CSU Area B2, AVC Area A)

General Biology Lab

BIOL101L:

1.0 Units

Corequisite: Concurrent enrollment in BIOL 101. A general education non-major laboratory biology course designed to be corequisite and taken concurrently with BIOL 101 to acquaint the students with the nature of science, the unity of life processes, the diversity of living things, the interdependence of organisms in the biosphere, the mechanisms that have shaped life on Earth, and with humans as biological entities. The laboratory focuses on the kinds of living things, and the structures and functions they share. NOTE: Biology majors should take BIOL 110 and BIOL 120 instead of this course. (UC, CSU, AVC) (GE: IGETC Area 5C, CSU Area B3, AVC Area A)

Human Biology

BIOL102:

4.0 Units

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) (GE: IGETC Areas 5B, 5C, CSU Areas B2, B3, AVC Area A)

Introduction to Botany

BIOL103:

4.0 Units

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) (GE: IGETC Areas 5B, 5C, CSU Area B2, B3, AVC Area A)

Environmental Biology

BIOL104:

3.0 Units

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) (GE: IGETC Area 5B, CSU Area B2, AVC Area A)

General Molecular Cell Biology

BIOL110:

5.0 Units

Advisory: Completion of a general biology course is recommended and eligibility for ENGL 101 or placement by multiple measures. Prerequisite: Completion of Intermediate Algebra or higher or placement by multiple measures. Co-requisite: Completion of CHEM 110 or concurrent enrollment 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 signalling 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) (GE: IGETC Areas 5B, 5C, CSU Areas B2, B3, AVC Area A)

General Organismal, Ecological and Evolutionary Biology

BIOL120:

5.0 Units

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) (GE: IGETC Areas 5B, 5C, CSU Area B2, B3, AVC Area A)

General Human Anatomy

BIOL201:

4.0 Units

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) (GE: IGETC Areas 5B, 5C, CSU Areas B2, B3, AVC Area A)

General Human Physiology

BIOL202:

4.0 Units

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) (GE: IGETC Areas 5B, 5C, CSU Areas B2, B3, AVC Area A)

General Microbiology

BIOL204:

5.0 Units

Advisory: Completion of BIOL 201, BIOL 202, CHEM 102, COMM 103 and eligibility for ENGL 101 or placement by multiple measures. Prerequisite: Completion of BIOL 101 or 110 or 120, and CHEM 101. 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) (GE: IGETC Areas 5B, 5C CSU Areas B2, B3, AVC Area A)

Introduction to Biotechnology

BIOL205:

3.0 Units

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) (GE: IGETC Areas 5B, 5C, CSU Areas B2, B3, AVC Area A)

A Survey of Emerging and Remerging Infectious Diseases

BIOL304:

3.0 Units

Limitation on Enrollment: Must be selected as part of the AFMT BS Degree cohort to take this course. Prerequisite: Completion of 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)

Business

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.

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. The Associate in Science in Business Administration 2.0 for Transfer (AS-T in Business Administration 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 in Science in Business Administration 2.0 for Transfer (AS-T in Business Administration 2.0) degree a student must complete the following: (1) Completion of 60-semester units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements. (B) A minimum of 27-semester units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is also an

acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Program Requirements

Business Administration 2.0 AS-T (Total 28)

Complete all of the following

Required Courses (Total 28)

Complete the following number of credits: 28

The following courses listed below are required: (Total 21)

Complete all of the following

ACCT201 - Financial Accounting 4

ACCT205 - Managerial Accounting 4

ECON101 - Principles of Macroeconomics 3

ECON102 - Principles of Microeconomics 3

MATH115 - Statistics 4

BUS201 - Business Law 3

Choose one course from the list below: (Total 3)

Complete the following number of credits: 3

BUS101 - Introduction to Business 3

BUS113 - Business Communications 3

Choose one course from the list below: (Total 4)

Complete the following number of credits: 4

MATH148 - Calculus for Business and Economics 4

MATH124 - Finite Math 4

Recommended Pathway

Fall Semester	Credits
Choose one course from the list below:	
BUS101 - Introduction to Business	3.0
A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
A-2 Written Communication ENGL101 - College Composition	3.0
E. Lifelong Learning and Self-Development HD101 - College and Life Management	3.0
Total Credits	12.0
Spring Semester	Credits
The following courses listed below are required: ECON101 - Principles of Macroeconomics	3.0
The following courses listed below are required: ACCT201 - Financial Accounting	4.0

Required Courses MATH115 - Statistics	4.0
B-2 Life Science BIOL104 - Environmental Biology	3.0
Total Credits	14.0
Summer Semester	Credits
C-1 Arts (Art, Dance, Music, Theatre)	
FTV101 - Introduction to Film	3.0
C-2 Humanities (Literature, Philosophy, Foreign Languages) MUSC108 - History of Hip Hop	3.0
Total Credits	6.0
Fall Semester	Credits
The following courses listed below are required: ECON102 - Principles of Microeconomics	3.0
The following courses listed below are required: ACCT205 - Managerial Accounting	4.0
Choose one course from the list below: MATH124 - Finite Math	4.0
A-3 Critical Thinking PHIL106 - Intro to Philosophy	3.0
Total Credits	14.0
Spring Semester	Credits
The following courses listed below are required: BUS201 - Business Law	3.0
C-2 Humanities (Literature, Philosophy, Foreign Languages) HIST107 - U.S. History, 1607-1877	3.0
F. Ethnic Studies ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
B-1 Physical Science GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
B-3 Laboratory Activity GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
Elective General Elective	1.0
Total Credits	14.0

Program Outcomes

AS-T Business Administration

Understand and apply ethics to effectively operate as a business manager within the global business environment.

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.

Demonstrate written, verbal, and nonverbal communication skills required for the workplace, including the effective use of appropriate technologies, written reports, and formal presentations.

Understand and analyze the legal and social environment of business, in particular civil and criminal law, consumer protection, contracts, employment and personal property rights.

Understand and apply economic theory and policy, including supply and demand and market equilibrium, the American banking system, and the Federal Reserve System.

General Business Cert

Students who are pursuing careers in business, but are not intending to complete an associates degree at this time, will learn important 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 (39-41 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.

Program Requirements

General Business Certificate (Total 39 - 41)

Complete the following number of credits: 39-41

Choose one course from the list below: (Total 3 - 4)

Complete the following number of credits: 3-4

ACCT111 - Bookkeeping 3

ACCT201 - Financial Accounting 4

All courses listed below are required: (Total 18)

Complete all of the following

BUS101 - Introduction to Business 3

BUS111 - Business English 3

BUS113 - Business Communications 3

BUS121 - Fundamentals of Investment and Personal Finance 3

BUS201 - Business Law 3

BUS212 - Women in Organizations 3

Required Course (Total 3 - 15)

Complete at least one of the following rules

BUS105 - Business Mathematics 3

MATH115 - Statistics 4

MATH116 - Introduction to Statistics Using R 4

MATH124 - Finite Math 4

Choose one course from the list below: (Total 3)

Complete the following number of credits: 3

CIS101 - Introduction to Computer Information Science 3

CA103 - Introduction to Computer and Digital Technology 3

Choose one course from the list below: (Total 3)

Complete the following number of credits: 3

CA121 - Microcomputer Spreadsheets 3

CA111 - Word Processing-Microsoft Word 3

Select a Concentration (Management or Marketing) (Total 9)

Complete the following number of credits: 9

All Courses listed below are Required for the Marketing Concentration: (Total 9)

Complete all of the following

MKTG101 - Principles of Marketing 3

MKTG112 - Introduction to Advertising 3

MKTG130 - Digital Marketing 3

OR 0

All Courses listed below are required for the management concentration: (Total 9)

Complete all of the following

MGT101 - Management Principles 3

MGT115 - Human Behavior in Organization 3

MGT121 - Human Resources Management 3

Recommended Pathway

Marketing Concentration

Fall, First Semester

Credits

All courses listed below are required:

BUS101 - Introduction to Business

3.0

Choose one course from the list below:

CA103 - Introduction to Computer and Digital Technology

3.0

All courses listed below are required:

BUS111 - Business English

3.0

Required Course BUS105 - Business Mathematics

3.0

All Courses listed below are Required for the Marketing Concentration: MKTG101 - Principles of Marketing

3.0

Total Credits

15.0

Spring, Second Semester

Credits

Choose one course from the list below:

ACCT111 - Bookkeeping

3.0

All courses listed below are required:

BUS201 - Business Law

3.0

All courses listed below are required:

BUS121 - Fundamentals of Investment and Personal Finance

3.0

All Courses listed below are Required for the Marketing Concentration: MKTG112 - Introduction to Advertising

3.0

Total Credits

12.0

Spring, Third Semester

Credits

Choose one course from the list below:

CA121 - Microcomputer Spreadsheets

3.0

All courses listed below are required:

BUS212 - Women in Organizations

3.0

All courses listed below are required:

BUS113 - Business Communications

3.0

All Courses listed below are Required for the Marketing Concentration: MKTG130 - Digital Marketing

3.0

Total Credits

12.0

Management Concentration

Fall Semester

Credits

All courses listed below are required:

BUS101 - Introduction to Business

3.0

Choose one course from the list below:

CA103 - Introduction to Computer and Digital Technology

3.0

All courses listed below are required:	
BUS111 - Business English	3.0
Required Course BUS105 - Business Mathematics	3.0
All Courses listed below are required for the management concentration: MGT101 - Management Principles	3.0
Total Credits	15.0
Spring Semester	Credits
Choose one course from the list below:	
ACCT111 - Bookkeeping	3.0
All courses listed below are required:	
BUS201 - Business Law	3.0
All courses listed below are required:	
BUS121 - Fundamentals of Investment and Personal Finance	3.0
All Courses listed below are required for the management concentration: MGT115 - Human Behavior in Organization	3.0
Total Credits	12.0
Fall Semester	Credits
All courses listed below are required:	
BUS212 - Women in Organizations	3.0
Choose one course from the list below:	
CA121 - Microcomputer Spreadsheets	3.0
All courses listed below are required:	
BUS113 - Business Communications	3.0
All Courses listed below are required for the management concentration: MGT121 - Human Resources Management	3.0
Total Credits	12.0

Program Outcomes

General Business Cert

Understand and apply ethics to effectively operate as a business manager within the global business environment.

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.

Demonstrate written, verbal, and nonverbal communication skills required for the workplace, including the effectively use of appropriate technologies, written reports, and formal presentation.

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.

General Business AS

The requirements for an associate degree in General Business may be satisfied by completing the General Business certificate, 21 units of general education requirements, and sufficient elective credits to total 60 to 62 units. (See Graduation/Associate Degree Requirements.) Students who complete the associate degree have enhanced employability in several fields. They are well-prepared for entry-level career opportunities in areas such as marketing, purchasing, retail, sales, customer service, accounting, and entrepreneurship. 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. 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 - 41)

Complete all of the following

Choose one course from the list below: (Total 3 - 4)

Complete the following number of credits: 3-4

ACCT111 - Bookkeeping 3

ACCT201 - Financial Accounting 4

All courses listed below are required: (Total 18)

Complete the following number of credits: 18

BUS101 - Introduction to Business 3

BUS111 - Business English 3

BUS113 - Business Communications 3

BUS121 - Fundamentals of Investment and Personal Finance 3

BUS201 - Business Law 3

BUS212 - Women in Organizations 3

Choose one course from the list below: (Total 3 - 4)

Complete the following number of credits: 3-4

BUS105 - Business Mathematics 3

MATH115 - Statistics 4

MATH116 - Introduction to Statistics Using R 4

MATH124 - Finite Math 4

Choose one course from the list below: (Total 3)

Complete the following number of credits: 3

CIS101 - Introduction to Computer Information Science 3

CA103 - Introduction to Computer and Digital Technology 3

Choose one course from the list below: (Total 3)

Complete the following number of credits: 3

CA121 - Microcomputer Spreadsheets 3

CA111 - Word Processing-Microsoft Word 3

Program Elective Select a Concentration

(Management or Marketing) (Total 9)

Complete the following number of credits: 9

All courses listed below are required for the marketing concentration: (Total 9)

Complete all of the following

MKTG101 - Principles of Marketing 3

MKTG112 - Introduction to Advertising 3

MKTG130 - Digital Marketing 3

OR 0

All courses listed below are required for the management concentration: (Total 9)

Complete all of the following

MGT101 - Management Principles 3

MGT115 - Human Behavior in Organization 3

MGT121 - Human Resources Management 3

Recommended Pathway

Recommended Sequence for the Marketing Concentration

Fall, First Semester

Fall, First Semester Credits

Choose one course from the list below: 3.0
BUS105 - Business Mathematics

Choose one course from the list below: 3.0
CA103 - Introduction to Computer and Digital Technology

All courses listed below are required: 3.0
BUS101 - Introduction to Business

Area E - Additional Breadth HD101 - 3.0
College and Life Management

All courses listed below are required: 3.0

BUS111 - Business English 3.0

Total Credits 15.0

Spring, Second Semester Credits

Choose one course from the list below: 3.0

ACCT111 - Bookkeeping 3.0

D2 - Language & Rationality -

Communication and Analytical Thinking 4.0

MATH115 - Statistics

D1 - Language & Rationality -

Communication and Analytical Thinking 3.0

ENGL101 - College Composition

All courses listed below are required for

the marketing concentration: MKTG101 - 3.0

Principles of Marketing

Total Credits 13.0

Summer Credits

Choose one course from the list below: 3.0

CA121 - Microcomputer Spreadsheets 3.0

All courses listed below are required: 3.0

BUS113 - Business Communications 3.0

Total Credits 6.0

Fall, Third Semester Credits

All courses listed below are required:

BUS121 - Fundamentals of Investment and 3.0

Personal Finance

Area B - Social & Behavioral Sciences 3.0

ECON101 - Principles of Macroeconomics

Area F - Diversity Studies ECON110 - 3.0

Economics of the Underclass

Area C - Humanities PHIL105 - Ethics: 3.0

Moral Issues in Contemporary Society

All courses listed below are required for

the marketing concentration: MKTG112 - 3.0

Introduction to Advertising

Total Credits 15.0

Spring, Fourth Semester Credits

All courses listed below are required: 3.0

BUS212 - Women in Organizations 3.0

All courses listed below are required: 3.0

BUS201 - Business Law 3.0

Area A - Natural Sciences BIOL104 - Environmental Biology	3.0
All courses listed below are required for the marketing concentration: MKTG130 - Digital Marketing	3.0
Total Credits	12.0

Recommended Sequence for the Management Concentration

Fall, First Semester	Credits
Choose one course from the list below: BUS105 - Business Mathematics	3.0
Choose one course from the list below: CA103 - Introduction to Computer and Digital Technology	3.0
All courses listed below are required: BUS101 - Introduction to Business	3.0
Area E - Additional Breadth HD101 - College and Life Management	3.0
All courses listed below are required: BUS111 - Business English	3.0
Total Credits	15.0
Spring, Second Semester	Credits
Choose one course from the list below: ACCT111 - Bookkeeping	3.0
All courses listed below are required for the management concentration: MGT101 - Management Principles	3.0
D2 - Language & Rationality - Communication and Analytical Thinking MATH115 - Statistics	4.0
D1 - Language & Rationality - Communication and Analytical Thinking ENGL101 - College Composition	3.0
Total Credits	13.0
Summer	Credits
Choose one course from the list below: CA121 - Microcomputer Spreadsheets	3.0
All courses listed below are required: BUS113 - Business Communications	3.0
Total Credits	6.0
Fall, Third Semester	Credits

All courses listed below are required: BUS121 - Fundamentals of Investment and Personal Finance	3.0
All courses listed below are required for the management concentration: MGT115 - Human Behavior in Organization	3.0
Area B - Social & Behavioral Sciences ECON101 - Principles of Macroeconomics	3.0
Area F - Diversity Studies ECON110 - Economics of the Underclass	3.0
Area C - Humanities PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
Total Credits	15.0
Spring, Fourth Semester	Credits
All courses listed below are required: BUS212 - Women in Organizations	3.0
All courses listed below are required: BUS201 - Business Law	3.0
All courses listed below are required for the management concentration: MGT121 - Human Resources Management	3.0
Area A - Natural Sciences BIOL104 - Environmental Biology	3.0
Total Credits	12.0

Program Outcomes

AS General Business

Understand and apply ethics to effectively operate as a business manager within the global business environment.

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.

Demonstrate written, verbal, and nonverbal, communication skills required for the workplace, including the effective use of appropriate technologies, written reports, and formal presentations.

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.

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

CA098 - Computers, Application Software, and Technology for Beginners 36

BUS099 - Map for Workplace Success 36

Recommended Pathway

Semester # 1	Hours
Computer and Workplace Fundamentals Required Course Work CA098 - Computers, Application Software, and Technology for Beginners	36.0
Computer and Workplace Fundamentals Required Course Work BUS099 - Map for Workplace Success	36.0
Total Hours	72.0

Program Outcomes

Computer and Workplace Fundamentals Certificate PSLOs:

Demonstrate and describe the function of computer peripherals, and how to access computer settings to make adjustments.

Develop a business letter using word processing software, a budget using spreadsheet software, and a professional email message.

Develop a resume and cover letter for a specific position.

Demonstrate communication and job interview skills by completing a mock interview.

Personal Business Ownership (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 (AVC).

Program Requirements

Personal Business Ownership (Total 0)

Complete the following number of hours: 0

CA098 - Computers, Application Software, and Technology for Beginners 36

BUS090 - How to Start Your Business 18

BUS091 - How to Maintain Your Business 108

Recommended Pathway

Personal Business Ownership Certificate

Semester 1	Hours
Personal Business Ownership CA098 - Computers, Application Software, and Technology for Beginners	36.0
Personal Business Ownership BUS090 - How to Start Your Business	18.0
Total Hours	54.0

Program Outcomes

Personal Business Ownership PLOs

Demonstrate and understand how to complete several documents to start a sole proprietorship based on the type of business.

Using software, maintain and understand basic business accounting records for a sole proprietorship.

Demonstrate and describe the function of computer peripherals, and how to access computer settings to make adjustments.

Develop a business letter using word processing software, a budget using spreadsheet software, and a professional email message.

Introduction to Business

BUS101:

3.0 Units

A survey in business providing a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices within the U.S. and a global society. Demonstrates how these influences impact the primary areas of business including: organizational structure and design; leadership, human resource management, organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting, financial practices; the stock and securities market; and therefore affect a business' ability to achieve its organizational goals. (C-ID: BUS 110) (UC, CSU, AVC) (GE: AVC Area B)

Business Mathematics

BUS105:

3.0 Units

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)

Business English

BUS111:

3.0 Units

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)

Business Communications

BUS113:

3.0 Units

Advisory: Completion of BUS 111. Prerequisite: Completion of ENGL 101. 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) (GE: AVC Area D2)

Fundamentals of Investment and Personal Finance

BUS121:

3.0 Units

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)

Occupational Work Experience

BUS199:

1.0 - 8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Business Law

BUS201:

3.0 Units

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) (CSU, UC, AVC)

Women in Organizations

BUS212:

3.0 Units

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 evaluation of work performance based on gender-specific criteria. The course will evaluate the role of women in such areas as enhanced employee relations, goal setting, networking, competing, sexism, mentoring, and career leadership planning. (UC, CSU, AVC) (GE: IGETC Area 4, CSU Area D, AVC Area F)

Noncredit Courses

How to Start Your Business

BUS090:

0.0 Units

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).

How to Maintain Your Business

BUS091:

0.0 Units

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.

Map for Workplace Success

BUS099:

0.0 Units

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.

Business Info Professional

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.

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.

Program Requirements

BIP Level I - Business Information Professional Quick Start Certificate of Achievement (Total 12)

Complete the following number of credits: 12

BIP100 - Introduction to Business Information Professional 3

BIP105 - Computer Literacy 1

BIP106 - MS Outlook 1

BIP110 - Keyboarding I 1

BIP111 - MS Word I 1

BIP112 - MS Excel I 1

BIP114 - MS PowerPoint I 1

BIP115 - Practical Math for Business Consumers 3

Recommended Pathway

BIP Level I - Business Information Professional Quick Start Certificate of Achievement

Fall, First Semester	Credits
BIP Level I - Business Information Professional Quick Start Certificate of Achievement BIP100 - Introduction to Business Information Professional	3.0
BIP Level I - Business Information Professional Quick Start Certificate of Achievement BIP106 - MS Outlook	1.0
BIP Level I - Business Information Professional Quick Start Certificate of Achievement BIP110 - Keyboarding I	1.0
BIP Level I - Business Information Professional Quick Start Certificate of Achievement BIP111 - MS Word I	1.0
BIP Level I - Business Information Professional Quick Start Certificate of Achievement BIP112 - MS Excel I	1.0
BIP Level I - Business Information Professional Quick Start Certificate of Achievement BIP114 - MS PowerPoint I	1.0
BIP Level I - Business Information Professional Quick Start Certificate of Achievement BIP105 - Computer Literacy	1.0
BIP Level I - Business Information Professional Quick Start Certificate of Achievement BIP115 - Practical Math for Business Consumers	3.0
Total Credits	12.0

Program Outcomes

BIP Level I - Business Information Professional Quick Start Certificate of Achievement

Demonstrate beginning keyboarding competence, proofreading, and document formatting skills while applying the principles of grammar and communication.

Plan and format electronic spreadsheets utilizing formulas and functions to manage financial data as well as demonstrating essential business math within a spreadsheet application.

Distinguish between different computer components and explain how each component might be used in the business environment.

Demonstrate beginning presentation skills in a business environment.

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.

Program Requirements

BIP Level II - Business Information Professional Two Certificate of Achievement (Total 12 - 18)

Complete the following number of credits: 12-18

BIP 100 & BIP 115 NOT REQUIRED IF COMPLETED IN BIP LEVEL I CERTIFICATE 0

BIP100 - Introduction to Business Information Professional 3

BIP113 - MS Access I 1

BIP115 - Practical Math for Business Consumers 3

BIP120 - Keyboarding II 1

BIP121 - MS Word II 1

BIP122 - MS Excel II 1

BIP123 - MS Access II 1

BIP125 - Adobe Acrobat 1

BIP126 - Workplace Communication 3

BIP127 - Introduction to Accounting 3

Recommended Pathway

BIP Level II - Business Information Professional Two Certificate of Achievement

Fall Semester	Credits
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BIP Level II - Business Information Professional Two Certificate of Achievement	
BIP100 - Introduction to Business Information Professional	3.0

BIP Level II - Business Information Professional Two Certificate of Achievement	
BIP115 - Practical Math for Business Consumers	3.0

BIP Level II - Business Information Professional Two Certificate of Achievement	
BIP113 - MS Access I	1.0

BIP Level II - Business Information Professional Two Certificate of Achievement	
BIP125 - Adobe Acrobat	1.0

Total Credits	8.0
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Spring Semester	Credits
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BIP Level II - Business Information Professional Two Certificate of Achievement	
BIP120 - Keyboarding II	1.0

BIP Level II - Business Information Professional Two Certificate of Achievement	
BIP121 - MS Word II	1.0

BIP Level II - Business Information Professional Two Certificate of Achievement	
BIP122 - MS Excel II	1.0

BIP Level II - Business Information Professional Two Certificate of Achievement	
BIP123 - MS Access II	1.0

BIP Level II - Business Information Professional Two Certificate of Achievement	
BIP126 - Workplace Communication	3.0

BIP Level II - Business Information Professional Two Certificate of Achievement	
BIP127 - Introduction to Accounting	3.0

Total Credits	10.0
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Program Outcomes

BIP Level II - Business Information Professional Two Certificate of Achievement

Demonstrate intermediate keyboarding competence, proofreading, and document formatting skills while applying the principles of grammar and communication.

Plan and format basic electronic database software utilizing functions to manage and control business data.

Prepare and analyze basic financial statements within QuickBooks.

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.

Program Requirements

BIP Level III - Business Information Professional Three Certificate of Achievement (Total 8)

Complete the following number of credits: 8

BIP124 - MS PowerPoint II 1

BIP130 - Keyboarding III 1

BIP131 - MS Word III 1

BIP132 - MS Excel III 1

BIP133 - MS Access III 1

BIP150 - Business Information Professional 3

Recommended Pathway

BIP Level III - Business Information Professional Three Certificate of Achievement

Semester # 1	Credits
BIP Level III - Business Information Professional Three Certificate of Achievement	1.0
BIP124 - MS PowerPoint II	
BIP Level III - Business Information Professional Three Certificate of Achievement	1.0
BIP130 - Keyboarding III	
BIP Level III - Business Information Professional Three Certificate of Achievement	1.0
BIP131 - MS Word III	
BIP Level III - Business Information Professional Three Certificate of Achievement	1.0
BIP132 - MS Excel III	
BIP Level III - Business Information Professional Three Certificate of Achievement	1.0
BIP133 - MS Access III	
BIP Level III - Business Information Professional Three Certificate of Achievement	3.0
BIP150 - Business Information Professional	
Total Credits	8.0

Program Outcomes

BIP Level III - Business Information Professional Three Certificate of Achievement

Demonstrate advanced keyboarding competence, proofreading, and document formatting skills while applying the principles of grammar and communication.

Demonstrate and format electronic spreadsheets utilizing advanced formulas and functions to manage financial and statistical data.

Develop and demonstrate advanced database skills in managing and manipulating various data into forms and reports.

BIP 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 III BIP certificate 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 Degree (Total 39)

Complete all of the following

Required Courses (Total 32)

Complete all of the following

- BIP100 - Introduction to Business Information Professional 3
- BIP105 - Computer Literacy 1
- BIP106 - MS Outlook 1
- BIP110 - Keyboarding I 1
- BIP111 - MS Word I 1
- BIP112 - MS Excel I 1
- BIP113 - MS Access I 1

BIP114 - MS PowerPoint I 1
 BIP115 - Practical Math for Business Consumers 3
 BIP120 - Keyboarding II 1
 BIP121 - MS Word II 1
 BIP122 - MS Excel II 1
 BIP123 - MS Access II 1
 BIP124 - MS PowerPoint II 1
 BIP125 - Adobe Acrobat 1
 BIP126 - Workplace Communication 3
 BIP127 - Introduction to Accounting 3
 BIP130 - Keyboarding III 1
 BIP131 - MS Word III 1
 BIP132 - MS Excel III 1
 BIP133 - MS Access III 1
 BIP150 - Business Information Professional 3

General Electives (Total 7)

Complete the following number of credits: 7

BIP199 - Occupational Work Experience 4
 MGT101 - Management Principles 3

Recommended Pathway

BIP Business Information Professional AS Degree

Fall Semester	Credits
Required Courses BIP100 - Introduction to Business Information Professional	3.0
Required Courses BIP105 - Computer Literacy	1.0
Required Courses BIP106 - MS Outlook	1.0
Required Courses BIP110 - Keyboarding I	1.0
Required Courses BIP111 - MS Word I	1.0
Required Courses BIP112 - MS Excel I	1.0
Required Courses BIP114 - MS PowerPoint I	1.0
Required Courses BIP115 - Practical Math for Business Consumers	3.0
Area E - Additional Breadth HD101 - College and Life Management	3.0
Total Credits	15.0
Spring Semester	Credits
Required Courses BIP113 - MS Access I	1.0
Required Courses BIP120 - Keyboarding II	1.0
Required Courses BIP121 - MS Word II	1.0
Required Courses BIP122 - MS Excel II	1.0
Required Courses BIP123 - MS Access II	1.0

Required Courses BIP125 - Adobe Acrobat 1.0
Required Courses BIP126 - Workplace Communication 3.0

Required Courses BIP127 - Introduction to Accounting 3.0

Total Credits 12.0

Summer Semester Credits

D1 - Language & Rationality - Communication and Analytical Thinking 3.0
 ENGL101 - Academic Composition

General Electives MGT101 - Management Principles 3.0

Total Credits 6.0

Fall Semester Credits

Required Courses BIP124 - MS PowerPoint II 1.0

Required Courses BIP130 - Keyboarding III 1.0

Required Courses BIP131 - MS Word III 1.0

Required Courses BIP132 - MS Excel III 1.0

Required Courses BIP133 - MS Access III 1.0

Required Courses BIP150 - Business Information Professional 3.0

D2 - Language & Rationality - Communication and Analytical Thinking 3.0
 COMM101 - Intro to Public Speaking

Area C - Humanities MUSC102 - History of Jazz 3.0

Total Credits 14.0

Spring Semester Credits

Area A - Natural Sciences BIOL104 - Environmental Biology 3.0

Area B - Social & Behavioral Sciences POLS101 - Amer Political Institutions 3.0

Area F - Diversity Studies BUS212 - Women in Organizations 3.0

General Electives BIP199 - Occupational Work Experience 4.0

Total Credits 13.0

Program Outcomes

BIP A.S. Degree Business Information

Professional

Demonstrate advanced keyboarding competence, proofreading, and document formatting skills while applying the principles of grammar and communication.

Demonstrate and format electronic spreadsheets utilizing advanced formulas and functions to manage financial and statistical data.

Develop and demonstrate advanced database skills in managing and manipulating various data into forms and reports.

Introduction to Business Information Professional

BIP100:

3.0 Units

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)

Computer Literacy

BIP105:

1.0 Units

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)

MS Outlook

BIP106:

1.0 Units

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)

Keyboarding I

BIP110:

1.0 Units

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)

MS Word I

BIP111:

1.0 Units

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)

MS Excel I

BIP112:

1.0 Units

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)

MS Access I

BIP113:

1.0 Units

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)

MS PowerPoint I

BIP114:

1.0 Units

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)

Practical Math for Business and Consumers

BIP115:

3.0 Units

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)

Keyboarding II

BIP120:

1.0 Units

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)

MS Word II

BIP121:

1.0 Units

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)

MS Excel II

BIP122:

1.0 Units

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)

MS Access II

BIP123:

1.0 Units

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)

MS PowerPoint II

BIP124:

1.0 Units

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)

Adobe Acrobat

BIP125:

1.0 Units

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)

Workplace Communication

BIP126:

3.0 Units

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)

Introduction to Accounting

BIP127:

3.0 Units

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)

Keyboarding III

BIP130:

1.0 Units

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)

MS Word III

BIP131:

1.0 Units

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 OT113 or CA 111). (AVC)

MS Excel III

BIP132:

1.0 Units

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)

MS Access III

BIP133:

1.0 Units

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)

Business Information Professional

BIP150:

3.0 Units

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)

Basic Principles of Coding for the Medical Office

BIP151:

3.0 Units

Advisory: Completion of 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)

Beginning Medical Insurance

BIP152:

3.0 Units

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)

Occupational Work Experience

BIP199:

0.25 - 8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Medical Office Procedures

BIP205:

3.0 Units

Designed to provide a thorough understanding and offer practical application of the skills needed as a medical administrative assistant (This class was formerly OT 205). 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 medical office management software to simulate the administrative office environment. (CSU, AVC)

Chemistry

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.

***This degree may only be earned by completing the Intersegmental General Education Transfer Curriculum (IGETC) for STEM Requirements. Please consult a counselor for additional information**

Chemistry AS-T

The Associate in Science in Chemistry for Transfer (AS-T in Chemistry) degree offers students a fundamental knowledge of chemistry and its relation to science, technology, and engineering. Students will enhance their problem solving and critical thinking skills by employing scientific principles. The Associate in Science in Chemistry for Transfer (AS-T in Chemistry) 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 Chemistry for Transfer (AS-T in Chemistry) degree a student must complete the following: (1) Completion of 60 semester units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education---Breadth Requirements. (B) A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Program Requirements

Chemistry AS-T (Total 35)

Complete the following number of credits: 35

- CHEM110 - General Chemistry 5
- CHEM120 - General Chemistry 5
- CHEM210 - Organic Chemistry 4
- CHEM220 - Organic Chemistry 4
- MATH150 - Calculus & Analytic Geometry 5

MATH160 - Calculus & Analytic Geometry 4

PHYS110 - General Physics 4

PHYS120 - General Physics 4

Recommended Pathway

Chemistry AS-T

Fall, Term 1

Credits

Chemistry AS-T CHEM110 - General Chemistry 5.0

Area 1 Group A – English Composition
ENGL101 - College Composition 3.0

Area 3A – Arts Take one of the following:

ART100 - Art Appreciation 3.0

ART101 - History of Art, Prehistoric to Gothic 3.0

ART102 - History of Art, Renaissance to Modern 3.0

ART103 - History of Art: Africa, Oceania and Indigenous North America 3.0

ART104 - History of Modern and Contemporary Art in the 20th Century 3.0

DA101 - Dance Appreciation 3.0

ENGL235 - Shakespeare and Culture 3.0

FTV101 - Introduction to Film 3.0

FTV107 - History of Film, Pre 1950 3.0

FTV108 - History of Film, 1950-Present 3.0

FTV203 - African-American Cinema 3.0

MUS101 - Music Appreciation 3.0

MUS105 - World Music 3.0

MUSC102 - History of Jazz 3.0

MUSC103 - History of Rock 'n Roll 3.0

MUSC107 - History of Women in Rock Music 3.0

THA101 - Introduction to Theatre 3.0

THA110 - Fundamentals of Acting 3.0

Total Credits 11.0

Spring, Term 2

Credits

Chemistry AS-T CHEM120 - General Chemistry 5.0

Chemistry AS-T MATH150 - Calculus & Analytic Geometry 5.0

Chemistry AS-T PHYS110 - General Physics 4.0

Area 1 Group B – Critical Thinking - English Composition

Take one of the following:

ENGL102 - Critical Thinking and Literature	3.0	SPAN201 - Intermediate Spanish 1	5.0
ENGL103 - Critical Thinking and Research	3.0	SPAN202 - Intermediate Spanish 2	5.0
PHIL201 - Critical Thinking	3.0	SPAN203 - Introduction to Hispanic Literature	3.0
Total Credits	17.0	SPAN210SS - Spanish for Heritage Speakers II	5.0
Summer	Credits	SPAN220SS - Composition and Conversation	5.0
Area 3B – Humanities Take one of the following:		THA239 - Intercultural and Women's Theatre	3.0
CHIN201 - Intermediate Chinese	5.0	HIST101 - Western Civilization, Ancient-1750	3.0
CHIN202 - Intermediate Chinese	5.0	HIST102 - Western Civilization, 1750 - Present	3.0
ENGL221 - American Literature 1400-1865	3.0	HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
ENGL222 - American Literature 1865-Present	3.0	HIST105 - Introduction to World Civilization, 1500 - Present	3.0
ENGL225 - English Literature, 800-1750	3.0	HIST107 - U.S. History, 1607-1877	3.0
ENGL227 - English Literature, 1750-Present	3.0	HIST108 - U.S. History from 1865	3.0
ENGL230 - World Literature 1	3.0	HIST110 - African-American History, 1450-1877	3.0
ENGL231 - World Literature 2	3.0	HIST111 - African-American History, 1877-Present	3.0
ENGL235 - Shakespeare and Culture	3.0	HIST113 - Women in American History	3.0
ENGL242 - Narrative and Culture	3.0	HIST115 - Cultural History of Mexico	3.0
ENGL253 - African American Literature	3.0	HIST119 - History of Latin America and the Caribbean	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	Area 1 Group C – Oral Communication (CSU Only)	
ENGL256 - Latinx Literature	3.0	COMM101 - Introduction to Public Speaking	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0	Total Credits	6.0 - 8.0
ENGL265 - Film: Text and Context	3.0	Fall, Term 3	Credits
ENGL279 - Science Fiction and Dystopian Literature	3.0	Chemistry AS-T CHEM210 - Organic Chemistry	4.0
FREN201 - Intermediate French 1	5.0	Chemistry AS-T PHYS120 - General Physics	4.0
FREN202 - Intermediate French 2	5.0	Chemistry AS-T MATH160 - Calculus & Analytic Geometry	4.0
FREN203 - Advanced French	3.0	Area 6 – Language Other Than English (UC Requirement ONLY)	
FTV201 - Intercultural & Women's Film	3.0	Take one of the following:	
FTV203 - African-American Cinema	3.0	CHIN102 - Elementary Chinese 2	5.0
GER102 - Elementary German 2	5.0	CHIN201 - Intermediate Chinese	5.0
GER201 - Intermediate German 1	4.0	CHIN202 - Intermediate Chinese	5.0
GER202 - Intermediate German 2	4.0	DFST102 - American Sign Language II	4.0
HIST115 - Cultural History of Mexico	3.0		
LATN201 - Intermediate Latin	5.0		
PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0		
PHIL106 - Intro to Philosophy	3.0		
PHIL108 - Philosophy of Religion	3.0		
PHIL109 - World Religions	3.0		
PHOT107 - History of Photography	3.0		
SPAN110SS - Spanish for Heritage Speakers I	5.0		

DFST201 - American Sign Language III	4.0
DFST202 - American Sign Language IV	4.0
FREN102 - Elementary French 2	5.0
FREN201 - Intermediate French 1	5.0
FREN202 - Intermediate French 2	5.0
FREN203 - Advanced French	3.0
GER102 - Elementary German 2	5.0
GER201 - Intermediate German 1	4.0
GER202 - Intermediate German 2	4.0
LATN102 - Elementary Latin 2	5.0
LATN201 - Intermediate Latin	5.0
SPAN102 - Elementary Spanish 2	5.0
SPAN110SS - Spanish for Heritage Speakers I	5.0
SPAN201 - Intermediate Spanish 1	5.0
SPAN202 - Intermediate Spanish 2	5.0
SPAN203 - Introduction to Hispanic Literature	3.0
SPAN210SS - Spanish for Heritage Speakers II	5.0
SPAN220SS - Composition and Conversation	5.0
Total Credits	15.0 - 17.0
Spring, Term 4	Credits
Chemistry AS-T CHEM220 - Organic Chemistry	4.0
Area 4 – Social and Behavioral Sciences	
POLS101 - American Political Institutions	3.0
Area 4 – Social and Behavioral Sciences	
Take one of the following:	
HIST107 - U.S. History, 1607-1877	3.0
HIST108 - U.S. History from 1865	3.0
HIST110 - African-American History, 1450-1877	3.0
Area 5B – Biological Sciences	
Take one of the following:	
BIOL104 - Environmental Biology	3.0
BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
BIOL204 - General Microbiology	5.0
Total Credits	13.0 - 15.0

Program Outcomes

AS-T Chemistry

Safely collect, evaluate, and report scientific data from modern laboratory instrumentation and using standard laboratory methods.

Evaluate chemical bonding models to explain structures and properties.

Predict the outcome of chemical reactions.

Introductory Chemistry

CHEM101:

5.0 Units

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) (GE: IGETC Areas 5A, 5C, CSU Areas B1, B3, AVC Area A)

Introductory Chemistry (Organic & Biochemistry)

CHEM102:

4.0 Units

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. (UC, CSU, AVC) (GE: IGETC Areas 5A, 5C, CSU Areas B1, B3, AVC Area A)

General Chemistry

CHEM110:

5.0 Units

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. (UC, CSU, AVC) (GE: IGETC Areas 5A, 5C, CSU Areas B1, B3, AVC Area A)

General Chemistry

CHEM120:

5.0 Units

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) (GE: IGETC Areas 5A, 5C, CSU Areas B1, B3)

Organic Chemistry

CHEM210:

4.0 Units

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. (CSU, UC, AVC)

Organic Chemistry

CHEM220:

4.0 Units

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. (CSU, UC, AVC)

Child and Family Education

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.

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 auspices. The following courses will meet this requirement: CFE 101, 102, 103, and one of the following: CFE 104, 105, 106, or 114. 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)

Complete the following number of credits: 30

CFE101 - Introduction to Early Childhood Education-Principles and Practices of Teaching Young Children 3

CFE102 - The Developing Child-Child Growth and Development 3

CFE103 - The Child in Family and Community Relationship 3

CFE104 - Literature for Children 3

CFE105 - Discovery-Based Education for Children 3

CFE106 - Creative Experiences for Children-Introduction to Curriculum 3

CFE115 - Guiding Children's Behavior 3

CFE201 - Child Development Practicum- Observation and Assessment 3

CFE202 - Child Development Practicum- Emergent Leadership 3

CFE211 - Health, Safety, and Nutrition for the Young Child 3

Program Electives (Total 3)

Complete the following number of credits: 3

CFE107 - Literacy for Young Children 3

CFE109 - Supv'n Admin Childhood Prog I 3

CFE110 - Supv'n Admin Childhood Prog II 3

CFE111 - Supervising Adults Child Care Setting 2

CFE113 - Inclusive Early Childhood Educ- Introduction to Children with Special Needs 3

CFE114 - Music and Movement Education for the Young Child 3

CFE116 - Diversity in Early Childhood Education 3

CFE120 - Infant/Toddler Development 3

CFE122 - Infant Toddler Strategies 3

CFE150 - Parenting: Infancy 1

CFE151 - Parenting: The Preschool Child 1

CFE152 - Parenting: The Elementary and Preadolescent Child 1

CFE155 - Single Parenting 1

CFE156 - Stepparenting and Blended Families 1

CFE157 - Parenting the Exceptional Child 1

CFE199 - Work Experience 1 - 8

DA103 - Beg Modern Dance 1

NF100 - Nutrition 3

NF102 - Nutrition and Food for Children 3

Recommended Pathway

Term 1	Credits
Required Courses CFE101 - Introduction to Early Childhood Education-Principles and Practices of Teaching Young Children	3.0
Required Courses CFE102 - The Developing Child-Child Growth and Development	3.0
Required Courses CFE106 - Creative Experiences for Children-Introduction to Curriculum	3.0
Required Courses CFE103 - The Child in Family and Community Relationship	3.0
Total Credits	12.0
Term 2	Credits
Required Courses CFE105 - Discovery-Based Education for Children	3.0
Required Courses CFE104 - Literature for Children	3.0
Required Courses CFE115 - Guiding Children's Behavior	3.0
Total Credits	9.0
Term 3	Credits
Required Courses CFE201 - Child Development Practicum- Observation and Assessment	3.0
Required Courses CFE211 - Health, Safety, and Nutrition for the Young Child	3.0
Total Credits	6.0
Term 4	Credits
Required Courses CFE202 - Child Development Practicum- Emergent Leadership	3.0

Program Electives Take one of the following:

CFE107 - Literacy for Young Children	3.0
CFE109 - Supvn Admin Childhood Prog I	3.0
CFE110 - Supv Admin Childhood Prog II	3.0
CFE111 - Supervising Adults Child Care Setting	2.0
CFE113 - Inclusive Early Childhood Educ- Introduction to Children with Special Needs	3.0
CFE114 - Music and Movement Education for the Young Child	3.0
CFE116 - Diversity in Early Childhood Education	3.0
CFE120 - Infant/Toddler Development	3.0
CFE122 - Infant Toddler Strategies	3.0
CFE150 - Parenting: Infancy	1.0
CFE151 - Parenting: The Preschool Child	1.0
CFE152 - Parenting: The Elementary and Preadolescent Child	1.0
CFE155 - Single Parenting	1.0
CFE156 - Stepparenting and Blended Families	1.0
CFE157 - Parenting the Exceptional Child	1.0
CFE199 - Work Experience	1.0 - 8.0
DA103 - Beg Modern Dance	1.0
NF100 - Nutrition	3.0
NF102 - Nutrition and Food for Children	3.0
Total Credits	4.0 - 11.0

Program Outcomes**Certificate**

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.

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

Students will demonstrate positive interaction strategies that support all children's learning, identity, and self

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

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.

Program Requirements**Child & Family Education AA (Total 33)****Complete all of the following****Required Courses (Total 30)****Complete all of the following**

- CFE101 - Introduction to Early Childhood Education-Principles and Practices of Teaching Young Children 3
- CFE102 - The Developing Child-Child Growth and Development 3
- CFE103 - The Child in Family and Community Relationship 3
- CFE104 - Literature for Children 3
- CFE105 - Discovery-Based Education for Children 3
- CFE106 - Creative Experiences for Children-Introduction to Curriculum 3
- CFE115 - Guiding Children's Behavior 3
- CFE201 - Child Development Practicum- Observation and Assessment 3
- CFE202 - Child Development Practicum- Emergent Leadership 3
- CFE211 - Health, Safety, and Nutrition for the Young Child 3

Program Electives (Total 3)**Complete the following number of credits: 3**

- CFE107 - Literacy for Young Children 3
- CFE109 - Supvn Admin Childhood Prog I 3
- CFE110 - Supv Admin Childhood Prog II 3
- CFE111 - Supervising Adults Child Care Settings 2
- CFE113 - Inclusive Early Childhood Education-Introduction to Children with Special Needs 3
- CFE114 - Music and Movement Education for the Young Child 3
- CFE116 - Diversity in Early Childhood Education 3
- CFE120 - Infant/Toddler Development 3
- CFE122 - Infant Toddler Strategies 3
- CFE150 - Parenting: Infancy 1
- CFE151 - Parenting: The Preschool Child 1
- CFE152 - Parenting: The Elementary and Preadolescent Child 1
- CFE155 - Single Parenting 1
- CFE156 - Stepparenting and Blended Families 1
- CFE157 - Parenting the Exceptional Child 1
- CFE199 - Work Experience 4
- DA103 - Beginning Modern Dance 1
- NF100 - Nutrition 3
- NF102 - Nutrition and Food for Children 3

Recommended Pathway

Child and Family Education Sequence

Term 1 Credits

Required Courses CFE101 - Introduction to Early Childhood Education-Principles and Practices of Teaching Young Children 3.0

Required Courses CFE102 - The Developing Child-Child Growth and Development 3.0

Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition 3.0

Area E -Additional Breadth

Take one of the following:

Course utilized from AREA A, B, C, or D2 3.0

CFE102 - The Developing Child 3.0

COMM107 - Introduction to Interpersonal Communication 3.0

COMM219 - Introduction to Intercultural Communication 3.0

DA102 - Beg Ballet 1.0

DA103 - Beginning Modern Dance 1.0

DA104 - Beg Jazz Dance 1.0

DA105 - Beg Tap Dance 1.0

DA106 - Ballroom Dance 1.0

DA111 - Choreography 3.0

DA113 - World Dance-Ethnic Forms 1.0

DA115 - Dance Repertory 1.0

DA116 - Dance Improvisation 1.0

DA122 - Int Ballet 1.0

DA123 - Int Modern Dance 1.0

DA124 - Int Jazz Dance 1.0

DA125 - Int Tap Dance 1.0

DA202 - Advanced Ballet 1.0

DA203 - Adv Modern Dance 1.0

DA204 - Adv Jazz Dance 1.0

DA205 - Advanced Tap Dance 1.0

DFST105 - Introduction to American Deaf Culture 3.0

HD100 - Basic Strategies For College Success 1.5

HD101 - College and Life Management 3.0

HD102 - Soldiers to Scholars 3.0

HD103 - Career Planning 1.5

HD105 - Personal Development 3.0

HE101 - Health Education 3.0

HE120 - Stress Management 3.0

HE201 - Women's Health Issues 3.0

IATH101 - Weight Training for Athletes 0.5 - 2.0

IATH102 - Pre-Season Sport Conditioning 0.5 - 2.0

IATH205 - Intercollegiate Football 1.0 - 3.0

IATH215 - Intercollegiate Women's Softball 1.0 - 3.0

IATH220 - Intercollegiate Men's Basketball 1.0 - 3.0

IATH225 - Intercollegiate Women's Basketball 1.0 - 3.0

IATH265 - Intercollegiate Women's Tennis 1.0 - 3.0

IATH270 - Intercollegiate Men's Track and Field 1.0 - 3.0

IATH280 - Intercollegiate Men's Volleyball 1.0 - 3.0

IATH285 - Intercollegiate Women's Volleyball 1.0 - 3.0

KINF115 - Beginning Fast-Pitch Softball 1.0

KINF150 - Beginning Soccer 1.0

KINF151 - Intermediate Soccer 1.0

KINF160 - Beginning Tennis 1.0

KINF161 - Intermediate Tennis 1.0

KINT100 - Introduction to Kinesiology 3.0

KINF107 - Beginning Weight Lifting 1.0

LIB107 - Information Literacy 3.0

LIB110 - Introduction to Internet Research 1.0

MUSC108 - History of Hip Hop 3.0

NF100 - Nutrition 3.0

NF102 - Nutrition and Food for Children 3.0

NF103 - Principles of Food Preparation 3.0

NF110 - Sports Nutrition 3.0

NF150 - Food and Culture 3.0

PSY212 - Human Sexuality 3.0

SOC111 - Issues and Concepts in Aging 3.0

SOC116 - Sociology of Gender and Sexuality 3.0

Any GE Area E 3.0

Total Credits 9.5 - 12.0

Term 2 Credits

Required Courses CFE103 - The Child in Family and Community Relationship 3.0

Required Courses CFE104 - Literature for Children 3.0

Required Courses CFE106 - Creative Experiences for Children-Introduction to Curriculum 3.0

Area D2 - Language & Rationality - Academic Composition Take one of the following:

BUS113 - Business Communications 3.0

CA103 - Introduction to Computer and Digital Technology 3.0

COMM101 - Introduction to Public Speaking 3.0

COMM107 - Introduction to Interpersonal Communication 3.0

COMM109 - Small Group Communication	3.0	CFE102 - The Developing Child	3.0
COMM112 - Oral Interpretation	3.0	CFE103 - Child in Family&Community Rel	3.0
COMM114 - Art of Storytelling	3.0	COMM217 - Gender and Communication	3.0
COMM115 - Introduction to Argumentation and Debate	3.0	DFST105 - Introduction to American Deaf Culture	3.0
COMM217 - Gender and Communication	3.0	DFST106 - Introduction to Deaf Education	3.0
COMM219 - Introduction to Intercultural Communication	3.0	DFST110 - Power, Privilege, and Oppression	3.0
ENGL102 - Critical Thinking and Literature	3.0	ECON100 - Survey of Economics	3.0
ENGL103 - Critical Thinking and Research	3.0	ECON101 - Principles of Macroeconomics	3.0
GEOG201 - Map Interpretation and GPS	4.0	ECON102 - Principles of Microeconomics	3.0
GEOG205 - Introduction to Geographic Information Systems	3.0	ECON110 - Economics of the Underclass	3.0
MATH110 - Mathematics for Liberal Arts Students	3.0	GEOG105 - Cultural Geography	3.0
MATH115 - Statistics	4.0	GEOG106 - California Geography	3.0
MATH116 - Introduction to Statistics Using R	4.0	GEOG110 - World Regional Geography	3.0
MATH120 - Math for Teachers	3.0	HIST101 - Western Civilization, Ancient-1750	3.0
MATH124 - Finite Math	4.0	HIST102 - Western Civilization, 1750 - Present	3.0
MATH128 - College Algebra for Liberal Arts	3.0	HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
MATH135 - Plane Trigonometry	3.0	HIST105 - Introduction to World Civilization, 1500 - Present	3.0
MATH140 - Precalculus	4.0	HIST107 - U.S. History, 1607-1877	3.0
MATH148 - Calculus for Business and Economics	4.0	HIST108 - U.S. History from 1865	3.0
MATH150 - Calculus and Analytic Geometry	5.0	HIST110 - African-American History, 1450-1877	3.0
MATH160 - Calculus and Analytic Geometry	4.0	HIST111 - African-American History, 1877-Present	3.0
MATH220 - Linear Algebra	4.0	HIST113 - Women in American History	3.0
MATH230 - Introduction to Ordinary Differential Equations	4.0	HIST114 - History of California	3.0
MATH250 - Calculus and Analytic Geometry	4.0	HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
PHIL101 - Fundamental Reasoning Skills	3.0	HIST118 - American West History, 1806-Present	3.0
PHIL106 - Introduction to Philosophy	3.0	HIST119 - History of Latin America and the Caribbean	3.0
PHIL110 - Introduction to Logic	3.0	POLS101 - American Political Institutions	3.0
PHIL201 - Critical Thinking	3.0	POLS103 - Comparative Government	3.0
Any GE Area D2	3.0	POLS200 - Introduction to Political Theory	3.0
Area B - Social & Behavioral Sciences		POLS201 - Contemporary International Relations	3.0
Take one of the following:		POLS202 - Ethnic Politics in America	3.0
AJ201 - Police in Society	3.0	POLS203 - The Judicial Process	3.0
AJ204 - Juvenile Procedures	3.0	PSY101 - General Psychology	3.0
AJ206 - Criminology	3.0	PSY200 - Introduction to Research Methods in Psychology	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	PSY201 - Introduction to Physiological Psychology	3.0
ANTH103 - Archaeology and World Prehistory	3.0	PSY212 - Human Sexuality	3.0
ANTH112 - Ethnic Studies: Native North Americans	3.0	PSY230 - Social Psychology	3.0
ANTH140 - Introduction to Archaeology	4.0	PSY232 - Theories of Personality	3.0
BUS101 - Introduction to Business	3.0	PSY233 - Personal and Social Adjustment	3.0
BUS212 - Women in Organizations	3.0	PSY234 - Abnormal Psychology	3.0

PSY235 - Child Psychology	3.0	CHIN101 - Elementary Chinese I	5.0
PSY236 - Developmental Psychology	3.0	CHIN102 - Elementary Chinese 2	5.0
SOC101 - Introduction to Sociology	3.0	CHIN201 - Intermediate Chinese	5.0
SOC105 - The Mexican American in Contemporary Society	3.0	CHIN202 - Intermediate Chinese	5.0
SOC110 - Ethnic Relations	3.0	COMM112 - Oral Interpretation	3.0
SOC111 - Issues and Concepts in Aging	3.0	COMM114 - Art of Storytelling	3.0
SOC112 - American Social Issues: Problems and Challenges	3.0	DA101 - Dance Appreciation	3.0
SOC115 - Modern Relationships and Family Life	3.0	DFST101 - American Sign Language I	4.0
SOC116 - Sociology of Gender and Sexuality	3.0	DFST102 - American Sign Language II	4.0
SOC120 - Drugs, Society and Human Behavior	3.0	DFST105 - Introduction to American Deaf Culture	3.0
SOC200 - Research Methods for the Social Sciences	3.0	DFST106 - Introduction to Deaf Education	3.0
Any GE Area B	3.0	DFST201 - American Sign Language III	4.0
Total Credits	15.0 - 18.0	DFST202 - American Sign Language IV	4.0
Term 3	Credits	ENGL102 - Critical Thinking and Literature	3.0
Required Courses CFE105 - Discovery-Based Education for Children	3.0	ENGL111 - Creative Writing: Fiction	3.0
Required Courses CFE115 - Guiding Children's Behavior	3.0	ENGL112 - Creative Writing: Poetry	3.0
Required Courses CFE201 - Child Development Practicum- Observation and Assessment	3.0	ENGL221 - American Literature 1400-1865	3.0
Area C - Humanities Take one of the following:		ENGL222 - American Literature 1865-Present	3.0
ART100 - Art Appreciation	3.0	ENGL225 - English Literature, 800-1750	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0	ENGL227 - English Literature, 1750-Present	3.0
ART102 - History of Art, Renaissance to Modern	3.0	ENGL230 - World Literature 1	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0	ENGL231 - World Literature 2	3.0
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0	ENGL235 - Shakespeare and Culture	3.0
ART106 - History of Art: Asia	3.0	ENGL242 - Narrative and Culture	3.0
ART110 - Drawing	3.0	ENGL253 - African American Literature	3.0
ART113 - Painting I	3.0	ENGL256 - Latinx Literature	3.0
ART120 - Introduction to Printmaking	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ART132 - Introduction to Ceramics: Hand-Building	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
ART135 - Beginning Wheel-Thrown Ceramics	3.0	ENGL265 - Film: Text and Context	3.0
ART136 - Intermediate Wheel-Thrown Ceramics	3.0	ENGL279 - Science Fiction and Dystopian Literature	3.0
ART137 - Advanced Wheel-Thrown Ceramics	3.0	FREN101 - Elementary French 1	5.0
ART140 - Watercolor	3.0	FREN102 - Elementary French 2	5.0
ART145 - 2-D Design Basics	3.0	FREN201 - Intermediate French 1	5.0
ART150 - 3-D Design Basics	3.0	FREN202 - Intermediate French 2	5.0
ART163 - Painting II	3.0	FREN203 - Advanced French	3.0
ART170 - Drawing II	3.0	FTV101 - Introduction to Film	3.0
ART210 - Drawing III	3.0	FTV103 - Introduction to Television	3.0
ART213 - Painting III	3.0	FTV107 - History of Film, Pre 1950	3.0
		FTV108 - History of Film, 1950-Present	3.0
		FTV201 - Intercultural & Women's Film	3.0
		FTV203 - African-American Cinema	3.0

FTV241 - Beginning Audio Production	3.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
FTV251 - Contemporary American Independent Film	4.0	PHIL106 - Introduction to Philosophy	3.0
FTV261 - Religion and Cinema	4.0	PHIL108 - Philosophy of Religion	3.0
GER101 - Elementary German 1	5.0	PHIL109 - World Religions	3.0
GER102 - Elementary German 2	5.0	PHOT107 - History of Photography	3.0
GER201 - Intermediate German 1	4.0	PHTC101 - Beginning Black and White Photography	3.0
GER202 - Intermediate German 2	4.0	PHTC150 - Beginning Color Photography	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	PHTC201 - Advanced Black and White Photography	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SPAN101 - Elementary Spanish 1	5.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SPAN102 - Elementary Spanish 2	5.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SPAN110SS - Spanish for Heritage Speakers I	5.0
HIST107 - U.S. History, 1607-1877	3.0	SPAN201 - Intermediate Spanish 1	5.0
HIST108 - U.S. History from 1865	3.0	SPAN202 - Intermediate Spanish 2	5.0
HIST110 - African-American History, 1450-1877	3.0	SPAN210SS - Spanish for Heritage Speakers II	5.0
HIST111 - African-American History, 1877-Present	3.0	SPAN220SS - Composition and Conversation	5.0
HIST113 - Women in American History	3.0	THA101 - Introduction to Theatre	3.0
HIST115 - Cultural History of Mexico	3.0	THA102 - Introduction to Stagecraft	3.0
HIST118 - American West History, 1806-Present	3.0	THA103 - Introduction to Stage Lighting	3.0
HIST119 - History of Latin America and the Caribbean	3.0	THA110 - Fundamentals of Acting	3.0
LATN101 - Elementary Latin 1	5.0	THA115A - Rehearsal and Performance: Drama	1.0
LATN201 - Intermediate Latin	5.0	THA115B - Rehearsal & Performance: Drama	2.0
LATN102 - Elementary Latin 2	5.0	THA116A - Rehearsal and Performance: Comedy	1.0
MUS101 - Music Appreciation	3.0	THA116B - Rehearsal and Performance: Comedy	2.0
MUS105 - World Music	3.0	THA117A - Rehearsal and Performance: Musical Theatre	1.0
MUS111 - Fundamentals of Music (Music Theory I)	3.0	THA117B - Rehearsal and Performance: Musical Theatre	2.0
MUS131 - Piano I	2.0	THA118A - Rehearsal and Performance: Children's Theatre	1.0
MUS132 - Piano II	2.0	THA118B - Rehearsal and Performance: Children's Theatre	2.0
MUS151 - Music Theory II	3.0	THA121A - Theatre Production	1.0
MUS153A - Musicianship I	1.0	THA121B - Theatre Production	4.0
MUS153B - Musicianship II	2.0	THA130 - Improvisation	3.0
MUS185 - Concert Choir	1.0	THA133 - Makeup for the Stage	3.0
MUS231 - Piano III	2.0	THA225 - Script Analysis	3.0
MUS251A - Music Theory III	3.0	THA239 - Intercultural and Women's Theatre	3.0
MUS251B - Music Theory IV	3.0	Any GE Area C	3.0
MUS253A - Musicianship III	2.0	Area F -Diversity Studies Take one of the following:	
MUS253B - Musicianship IV	2.0	ANTH102 - Introduction to Cultural Anthropology	3.0
MUSC102 - History of Jazz	3.0	ANTH112 - Ethnic Studies: Native North Americans	3.0
MUSC103 - History of Rock 'n Roll	3.0		
MUSC107 - History of Women in Rock Music	3.0		
MUSC108 - History of Hip Hop	3.0		

BUS212 - Women in Organizations	3.0	CFE120 - Infant/Toddler Development	3.0
CFE116 - Diversity Early Childhood Ed	3.0	CFE122 - Infant Toddler Strategies	3.0
COMM114 - Art of Storytelling	3.0	CFE150 - Parenting: Infancy	1.0
COMM217 - Gender and Communication	3.0	CFE151 - Parenting: The Preschool Child	1.0
COMM219 - Introduction to Intercultural Communication	3.0	CFE152 - Parenting: The Elementary and Preadolescent Child	1.0
DFST105 - Introduction to American Deaf Culture	3.0	CFE155 - Single Parenting	1.0
DFST106 - Introduction to Deaf Education	3.0	CFE156 - Stepparenting and Blended Families	1.0
ECON110 - Economics of the Underclass	3.0	CFE157 - Parenting the Exceptional Child	1.0
ENGL253 - African American Literature	3.0	CFE199 - Work Experience	4.0
ENGL256 - Latinx Literature	3.0	DA103 - Beginning Modern Dance	1.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	NF100 - Nutrition	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0	NF102 - Nutrition and Food for Children	3.0
FTV201 - Intercultural & Women's Film	3.0	Area A -Natural Sciences Take one of the following:	
FTV203 - African-American Cinema	3.0	ANTH101 - Introduction to Biological Anthropology	3.0
HE201 - Women's Health Issues	3.0	ANTH101L - Biological Anthropology Lab	1.0
HIST110 - African-American History, 1450-1877	3.0	ASTR101 - Astronomy	3.0
HIST111 - African-American History, 1877-Present	3.0	ASTR101L - Astronomy Laboratory	1.0
HIST113 - Women in American History	3.0	BIOL100 - Elementary Human Anatomy and Physiology	3.0
MUSC107 - History of Women in Rock Music	3.0	BIOL101 - General Biology	3.0
MUSC108 - History of Hip Hop	3.0	BIOL101L - General Biology Lab	1.0
POLS202 - Ethnic Politics in America	3.0	BIOL102 - Human Biology	4.0
SOC105 - The Mexican American in Contemporary Society	3.0	BIOL103 - Introduction to Botany	4.0
SOC110 - Ethnic Relations	3.0	BIOL104 - Environmental Biology	3.0
SOC116 - Sociology of Gender and Sexuality	3.0	BIOL110 - General Molecular Cell Biology	5.0
THA239 - Intercultural and Women's Theatre	3.0	BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
Any GE Area F	3.0	BIOL201 - General Human Anatomy	4.0
Total Credits	13.0 - 17.0	BIOL202 - General Human Physiology	4.0
Term 4	Credits	BIOL204 - General Microbiology	5.0
Required Courses CFE202 - Child Development Practicum- Emergent Leadership	3.0	BIOL205 - Introduction to Biotechnology	3.0
Required Courses CFE211 - Health, Safety, and Nutrition for the Young Child	3.0	CHEM101 - Introductory Chemistry	5.0
Program Electives Take one of the following:		CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0
CFE107 - Literacy for Young Children	3.0	CHEM110 - General Chemistry	5.0
CFE109 - Supvn Admin Childhood Prog I	3.0	CHEM120 - General Chemistry	5.0
CFE110 - Supv Admin Childhood Prog II	3.0	CHEM210 - Organic Chemistry	4.0
CFE111 - Supervising Adults Child Care Settings	2.0	CHEM220 - Organic Chemistry	4.0
CFE113 - Inclusive Early Childhood Education- Introduction to Children with Special Needs	3.0	ELTE101 - Survey of Electronics	4.0
CFE114 - Music and Movement Education for the Young Child	3.0	ERSC101 - Introduction to Earth Science	4.0
CFE116 - Diversity in Early Childhood Education	3.0	GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0

GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0
GEOL101 - Physical Geology	3.0
GEOL101L - Physical Geology Lab	1.0
GEOL102 - Historical Geology	3.0
GEOL102L - Historical Geology Laboratory	1.0
PHYS101 - Introductory Physics	4.0
PHYS102 - Introductory Physics	4.0
PHYS110 - General Physics	4.0
PHYS120 - General Physics	4.0
PHYS211 - General Physics	5.0
PSCI101 - Physical Science	4.0
Any GE Area A	3.0
Total Credits	8.0 - 15.0

Program Outcomes

AA Child & Family Education

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.

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.

Students will demonstrate positive interaction strategies that support all children's learning, identity, and self-confidence.

Students will develop strategies that promote respectful, reciprocal partnerships between program teachers, families, and their communities.

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

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

Program Requirements

Early Childhood Education AS-T (Total 24)

Complete all of the following

- CFE101 - Introduction to Early Childhood Education-Principles and Practices of Teaching Young Children 3
- CFE102 - The Developing Child-Child Growth and Development 3
- CFE103 - The Child in Family and Community Relationship 3
- CFE105 - Discovery-Based Education for Children 3
- CFE116 - Diversity in Early Childhood Education 3
- CFE201 - Child Development Practicum- Observation and Assessment 3
- CFE202 - Child Development Practicum- Emergent Leadership 3
- CFE211 - Health, Safety, and Nutrition for the Young Child 3

Recommended Pathway

Early Childhood Education AS-T

Term 1	Credits
Early Childhood Education AS-T CFE101 - Introduction to Early Childhood Education-Principles and Practices of Teaching Young Children	3.0
D. Social Sciences CFE102 - The Developing Child	3.0

A-2 Written Communication ENGL101 - College Composition	3.0
E. Lifelong Learning and Self-Development HD101 - College and Life Management	3.0
C-1 Arts (Art, Dance, Music, Theatre) COMM114 - Art of Storytelling	3.0
Total Credits	15.0
Term 2	Credits
Early Childhood Education AS-T CFE103 - The Child in Family and Community Relationship	3.0
Early Childhood Education AS-T CFE105 - Discovery-Based Education for Children	3.0
A-3 Critical Thinking PHIL106 - Introduction to Philosophy	3.0
B-4 Mathematics/Quantitative Reasoning MATH115 - Statistics	4.0
C-2 Humanities (Literature, Philosophy, Foreign Languages) COMM112 - Oral Interpretation	3.0
Total Credits	16.0
Term 3	Credits
Early Childhood Education AS-T CFE116 - Diversity in Early Childhood Education	3.0
Early Childhood Education AS-T CFE201 - Child Development Practicum- Observation and Assessment	3.0
A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
B-1 Physical Science ASTR101 - Astronomy	3.0
B-3 Laboratory Activity ASTR101L - Astronomy Laboratory	1.0
Elective General Elective	1.0
Total Credits	14.0
Term 4	Credits
Early Childhood Education AS-T CFE202 - Child Development Practicum- Emergent Leadership	3.0
Early Childhood Education AS-T CFE211 - Health, Safety, and Nutrition for the Young Child	3.0
B-2 Life Science ANTH101 - Introduction to Biological Anthropology	3.0
F. Ethnic Studies Take one of the following:	
Ethnic Studies Course	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
C-2 Humanities (Literature, Philosophy, Foreign Languages) Take one of the following:	
HIST107 - U.S. History, 1607-1877	3.0

HIST108 - U.S. History from 1865	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
Total Credits	15.0

Program Outcomes

AS-T Early Childhood Education

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.

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.

Students will demonstrate positive interaction strategies that support all children's learning, identity, and self-confidence.

Students will develop strategies that promote respectful, reciprocal partnerships between program teachers, families, and their communities.

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 Cert

This program will meet the needs of students planning to qualify to work with school-aged children in child care centers under public or private auspices.

Program Requirements

School-Aged Child Care Cert (Total 33)

Complete all of the following

Required Courses (Total 30)

Complete the following number of credits: 30

CFE102 - The Developing Child-Child Growth and Development	3
CFE103 - The Child in Family and Community Relationship	3
CFE104 - Literature for Children	3
CFE105 - Discovery-Based Education for Children	3
CFE106 - Creative Experiences for Children-Introduction to Curriculum	3
CFE201 - Child Development Practicum- Observation and Assessment	3
CFE202 - Child Development Practicum- Emergent Leadership	3
CFE211 - Health, Safety, and Nutrition for the Young Child	3
CFE212 - School Age Programs	3

CFE213 - Curriculum Strategies for School Age Programs 3

Program Electives (Total 3)

Complete the following number of credits: 3

- CFE107 - Literacy for Young Children 3
- CFE109 - Supvn Admin Childhood Prog I 3
- CFE110 - Supv Admin Childhood Prog II 3
- CFE111 - Supervising Adults Child Care Setting 2
- CFE113 - Inclusive Early Childhood Educ- Introduction to Children with Special Needs 3
- CFE114 - Music and Movement Education for the Young Child 3
- CFE115 - Guiding Children's Behavior 3
- CFE116 - Diversity in Early Childhood Education 3
- CFE150 - Parenting: Infancy 1
- CFE157 - Parenting the Exceptional Child 1
- CFE199 - Work Experience 4
- NF102 - Nutrition and Food for Children 3

Recommended Pathway

Term 1	Credits
Required Courses CFE102 - The Developing Child-Child Growth and Development	3.0
Required Courses CFE106 - Creative Experiences for Children-Introduction to Curriculum	3.0
Total Credits	6.0
Term 2	Credits
Required Courses CFE103 - The Child in Family and Community Relationship	3.0
Required Courses CFE104 - Literature for Children	3.0
Required Courses CFE105 - Discovery-Based Education for Children	3.0
Total Credits	9.0
Term 3	Credits
Required Courses CFE201 - Child Development Practicum- Observation and Assessment	3.0
Required Courses CFE212 - School Age Programs	3.0
Required Courses CFE211 - Health, Safety, and Nutrition for the Young Child	3.0
Total Credits	9.0
Term 4	Credits
Required Courses CFE213 - Curriculum Strategies for School Age Programs	3.0
Required Courses CFE202 - Child Development Practicum- Emergent Leadership	3.0
Program Electives CFE115 - Guiding Children's Behavior	3.0
Total Credits	9.0

Program Outcomes

School-Aged Child Care Certificate

School-Aged Child Care

- 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 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.**

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.

Program Requirements

School-Aged Child Care AA (Total 33)

Complete all of the following

Required Courses (Total 33)

Complete all of the following

- CFE102 - The Developing Child-Child Growth and Development 3
- CFE103 - The Child in Family and Community Relationship 3
- CFE104 - Literature for Children 3
- CFE105 - Discovery-Based Education for Children 3
- CFE106 - Creative Experiences for Children-Introduction to Curriculum 3
- CFE201 - Child Development Practicum- Observation and Assessment 3
- CFE202 - Child Development Practicum- Emergent Leadership 3

CFE211 - Health, Safety, and Nutrition for the Young Child 3
 CFE212 - School Age Programs 3
 CFE213 - Curriculum Strategies for School Age Programs 3
Program Electives (Total 3)
Complete the following number of credits: 3
 CFE107 - Literacy for Young Children 3
 CFE109 - Supvn Admin Childhood Prog I 3
 CFE110 - Supv Admin Childhood Prog II 3
 CFE111 - Supervising Adults Child Care Setting 2
 CFE113 - Inclusive Early Childhood Educ- Introduction to Children with Special Needs 3
 CFE114 - Music and Movement Education for the Young Child 3
 CFE115 - Guiding Children's Behavior 3
 CFE116 - Diversity in Early Childhood Education 3
 CFE150 - Parenting: Infancy 1
 CFE151 - Parenting: The Preschool Child 1
 CFE152 - Parenting: The Elementary and Preadolescent Child 1
 CFE157 - Parenting the Exceptional Child 1
 CFE199 - Work Experience 4
 NF102 - Nutrition and Food for Children 3

Recommended Pathway

Term 1	Credits
Required Courses CFE102 - The Developing Child-Child Growth and Development	3.0
Required Courses CFE106 - Creative Experiences for Children-Introduction to Curriculum	3.0
Area D1 - Language & Rationality - Academic Composition ENGL101 - Academic Composition	3.0
Area E -Additional Breadth HD101 - College and Life Management	3.0
Area F - Diversity Studies SOC116 - Sociology of Gender&Sexuality	3.0
Total Credits	15.0
Term 2	Credits
Required Courses CFE103 - The Child in Family and Community Relationship	3.0
Required Courses CFE104 - Literature for Children	3.0
Area B - Social & Behavioral Sciences SOC101 - Introduction to Sociology	3.0
Area D2 - Language & Rationality - Academic Composition COMM114 - Art of Storytelling	3.0
Elective Take one of the following:	
General Elective	3.0
General Elective	2.0
General Elective	1.0
AJ104 - Introduction to Corrections	3.0

AJ109 - Crime Analysis	3.0
AJ110 - Terrorism Investigation	3.0
AJ199 - Occupational Work Experience	1.0 - 8.0
AJ201 - Police in Society	3.0
AJ203 - Narcotics Control	3.0
AJ204 - Juvenile Procedures	3.0
AJ206 - Criminology	3.0
AJ207 - Probation and Parole	3.0
AJ208 - Intro to Forensic Science	3.0
Total Credits	13.0 - 20.0
Term 3	Credits
Required Courses CFE105 - Discovery-Based Education for Children	3.0
Required Courses CFE201 - Child Development Practicum- Observation and Assessment	3.0
Required Courses CFE212 - School Age Programs	3.0
Area A - Natural Sciences BIOL102 - Human Biology	4.0
Elective Take one of the following:	
General Elective	3.0
General Elective	2.0
General Elective	1.0
AJ104 - Introduction to Corrections	3.0
AJ109 - Crime Analysis	3.0
AJ110 - Terrorism Investigation	3.0
AJ199 - Occupational Work Experience	1.0 - 8.0
AJ201 - Police in Society	3.0
AJ203 - Narcotics Control	3.0
AJ204 - Juvenile Procedures	3.0
AJ206 - Criminology	3.0
AJ207 - Probation and Parole	3.0
AJ208 - Intro to Forensic Science	3.0
Total Credits	14.0 - 21.0
Term 4	Credits
Required Courses CFE202 - Child Development Practicum- Emergent Leadership	3.0
Required Courses CFE211 - Health, Safety, and Nutrition for the Young Child	3.0
Required Courses CFE213 - Curriculum Strategies for School Age Programs	3.0
Program Electives CFE115 - Guiding Children's Behavior	3.0
Area C - Humanities ART100 - Art Appreciation	3.0
Total Credits	15.0

Program Outcomes

School-Aged Child Care AA PLSO

School-Aged Child Care

- 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 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.**

Principles and Practices of Teaching Young Children

CFE101:

3.0 Units

Designed for students planning to work in early childhood care and education settings, this course will provide an overview of early childhood programs, their histories, philosophies, emphases, and methods. Historical contexts and theoretical perspectives of developmentally appropriate practice in early care and education for children birth through age eight. Students will review theories of learning and development, philosophies of educating young children, assessment practices, the development of curriculum, and early childhood program models. Explores the typical roles and expectations of early childhood educators. Identifies professional ethics, career pathways, and professional standards.

Developmentally appropriate practices and the interactive influences of culture, family, and individual needs on environmental and curriculum planning will be discussed. 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. Students will conduct directed observations of early childhood programs in the community. (C-ID: ECE 120) (CSU, AVC)

The Developing Child-Child Growth and Development

CFE102:

3.0 Units

Advisory: Completion of ENGL 101 or placement by multiple measures. Limitation on Enrollment: A current Livescan fingerprint clearance, TB clearance within the past year, and proof of immunization records may be required. 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. Developmental theory, patterns of child behavior, and the physical, social, emotional and cognitive development of the child within family and cultural contexts will be examined. 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) (GE: IGETC Area 4, CSU Areas D, E, AVC Areas B, E)

The Child in Family and Community Relationship

CFE103:

3.0 Units

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) (GE: IGETC Area 4, CSU Area D)

Literature for Children

CFE104:

3.0 Units

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. Advisory: Completion of ENGL 101 or placement by multiple measures. 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)

Introduction to Curriculum- Discovery Based Education for Children

CFE105:

3.0 Units

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. Advisory: Completion of ENGL 101 or placement by multiple measures. 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)

Creative Experiences for Children

CFE106:

3.0 Units

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 101 or placement by multiple measures. 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)

Literacy for Young Children

CFE107:

3.0 Units

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 101 or placement by multiple measures. 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)

Supervision and Administration of Childhood Programs I

CFE109:

3.0 Units

Advisory: Completion of ENGL 101 or placement by multiple measures. 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)

Supervision and Administration of Childhood Programs II

CFE110:

3.0 Units

Advisory: Completion of ENGL 101 or placement by multiple measures. 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)

Supervising Adults Child Care Setting

CFE111:

2.0 Units

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)

Inclusive Early Childhood Education Introduction to Children with Special Needs

CFE113:

3.0 Units

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 childrens' needs as well as teaching strategies that welcome and enhance diversity in classroom settings. (CSU, AVC)

Music and Movement Education for the Young Child

CFE114:

3.0 Units

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 101 or placement by multiple measures. 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)

Guiding Children's Behavior

CFE115:

3.0 Units

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 101 or placement by multiple measures. 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)

Diversity in Early Childhood Education

CFE116:

3.0 Units

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 101 or placement by multiple measures. Prerequisite: Completion of CFE 103. This course will assist early childhood students and professionals in building inclusive, equitable and caring communities for learning. Examines the impact of various societal influences on the development of children's personal and social identity. Covers developmentally appropriate, inclusive, culturally relevant, and anti-bias approaches. Self-examination and reflection on issues related to social identity, stereotypes, and bias will be explored. Students will examine and develop positive intergroup attitudes and behavior and learn to modify their own teaching strategies so that children and families from different ethnic, language, cultural, ability, age and social groups will experience equal educational opportunities. (C-ID: ECE 230) (CSU, AVC) (GE: AVC Area F)

Infant/Toddler Development

CFE120:

3.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. 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 pre-conception to age three including physical, cognitive, language, social, and emotional growth and development.

Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Emphasizes the role of family and relationships in development. Students will observe infants and toddlers in home and childcare settings and evaluate adult/child interactions in the context of care-giving 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. (AVC)

Infant Toddler Strategies

CFE122:

3.0 Units

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 101. 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. The 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)

Parenting: Infancy

CFE150:

1.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. 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. (AVC)

Parenting: The Preschool Child

CFE151:

1.0 Units

Advisory: Completion of ENGL 101 or placement by multiple measures. 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. (AVC)

Parenting: The Elementary and Preadolescent Child

CFE152:

1.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. 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. (AVC)

Single Parenting

CFE155:

1.0 Units

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. (AVC)

Stepparenting and Blended Families

CFE156:

1.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. 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. (AVC)

Parenting the Exceptional Child

CFE157:

1.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. 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 and issues of diversity and social systems will be emphasized. (AVC)

Work Experience

CFE199:

1.0 - 4.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Child Development Practicum-Observation and Assessment

CFE201:

3.0 Units

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. Students must pick up a course information packet at the front desk of the AVC Child Development Center four weeks prior to the start of the semester or access the course information packet in myAVC course files once registered for the course. (C-ID: ECE 200) (CSU, AVC)

Child Development Practicum- Emergent Leadership

CFE202:

3.0 Units

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. Students must obtain an information packet from the AVC Child Development Center four weeks before the class begins. (C-ID: ECE 210) (CSU, AVC)

Health, Safety, and Nutrition for the Young Child

CFE211:

3.0 Units

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 and CFE 102. Advisory: Completion of ENGL 101 or placement by multiple measures. Guidelines for creating a nutritious, safe and healthy environment for young children will be explored. While the focus of this course is on young children in educational settings, the course will be useful for parents and community volunteers as well as early childhood professionals. This course includes content in emergency preparedness, public health and safety, personal health, safety and nutrition, and emphasizes partnerships between home, school and the community. 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 teacher's 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)

School Age Programs

CFE212:

3.0 Units

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 child care 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)

Curriculum Strategies for School Age Programs

CFE213:

3.0 Units

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)

Chinese

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.

Elementary Chinese I

CHIN101:

5.0 Units

Advisory: Eligibility for 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) (GE: CSU Area C2, AVC Area C)

Elementary Chinese 2

CHIN102:

5.0 Units

Prerequisite: Completion of CHIN 101. Chinese 102 is designed as a continuation for beginning learners who have successfully completed Chinese 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) (GE: IGETC Areas 3B, 6A, CSU Area C2, AVC Area C)

Intermediate Chinese

CHIN201:

5.0 Units

Prerequisite: Completion of CHIN 102. This course is for students who have completed Chinese 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) (GE: IGETC 6A, CSU Area C2, AVC Area C)

Intermediate Chinese

CHIN202:

5.0 Units

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) (GE: IGETC 6A, CSU Area C2, AVC Area C)

Communication Studies

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.

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: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A “P”(Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Program Requirements

Communication Studies AA-T 2.0 (Total 18)
Complete the following number of credits: 18
Required Courses (Total 6)
Complete all of the following
 COMM101 - Introduction to Public Speaking 3

COMM107 - Introduction to Interpersonal Communication 3

List A (Total 9)

Complete the following number of credits: 9

COMM105 - Introduction to Mass Communication 3
 COMM109 - Small Group Communication 3
 COMM110 - Persuasion 3
 COMM112 - Oral Interpretation 3
 COMM115 - Introduction to Argumentation & Debate 3
 COMM116 - Forensics 3
 COMM219 - Introduction to Intercultural Communication 3

List B (Total 3)

Complete the following number of credits: 3

OR any List A course not already used 0
 COMM215 - Public Relations Communication 3
 JOUR121 - Beginning Journalism 3
 ANTH102 - Introduction to Cultural Anthropology 3
 PSY101 - General Psychology 3
 SOC101 - Introduction to Sociology 3
 COMM114 - Art of Storytelling 3
 COMM217 - Gender and Communication 3
 << ENGL102 CRITICAL THINKING AND LITERATURE OR ENGL103 CRITICAL THINKING AND RESEARCH 0
 ENGL102 - Critical Thinking and Literature 3
 OR
 ENGL103 - Critical Thinking and Research 3

Recommended Pathway Communication Studies AA-T 2.0

Term 1	Credits
Required Courses Take one of the following:	
COMM101 - Introduction to Public Speaking	3.0
COMM107 - Introduction to Interpersonal Communication	3.0
B-4 Mathematics/Quantitative Reasoning	
MATH115 - Statistics	4.0
A-2 Written Communication ENGL101 - College Composition	3.0
D. Social Sciences POLS101 - American Political Institutions	3.0
C-1 Arts (art, Dance, Music, Theatre)	
Take one of the following:	
FTV101 - Introduction to Film	3.0
FTV107 - History of Film, Pre 1950	3.0
FTV108 - History of Film, 1950-Present	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
Total Credits	16.0

Term 2	Credits	PHYS110 - General Physics	4.0
Required Courses Take one of the following:		PHYS120 - General Physics	4.0
COMM101 - Introduction to Public Speaking	3.0	PHYS211 - General Physics	5.0
COMM107 - Introduction to Interpersonal Communication	3.0	PSCI101 - Physical Science	4.0
List A Take one of the following:		Any CSU GE Area B-1	3.0
COMM105 - Introduction to Mass Communication	3.0	B-3 Laboratory Activity Take one of the following:	
COMM109 - Small Group Communication	3.0	ANTH101L - Biological Anthropology Lab	1.0
COMM110 - Persuasion	3.0	ASTR101L - Astronomy Laboratory	1.0
COMM112 - Oral Interpretation	3.0	BIOL101L - General Biology Lab	1.0
COMM115 - Introduction to Argumentation and Debate	3.0	GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
COMM116 - Forensics	3.0	GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0
COMM219 - Introduction to Intercultural Communication	3.0	GEOL101L - Physical Geology Lab	1.0
A-3 Critical Thinking Take one of the following:		GEOL102L - Historical Geology Laboratory	1.0
COMM110 - Persuasion	3.0	Any CSU GE Area B-3	1.0
COMM115 - Introduction to Argumentation and Debate	3.0	C-2 Humanities PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
ENGL102 - Critical Thinking and Literature	3.0	Total Credits	16.0 - 18.0
ENGL103 - Critical Thinking and Research	3.0	Term 3	Credits
PHIL101 - Fundamental Reasoning Skills	3.0	List A Take one of the following:	
PHIL106 - Introduction to Philosophy	3.0	COMM105 - Introduction to Mass Communication	3.0
PHIL110 - Introduction to Logic	3.0	COMM109 - Small Group Communication	3.0
PHIL201 - Critical Thinking	3.0	COMM110 - Persuasion	3.0
Any CSU GE Area A-3	3.0	COMM112 - Oral Interpretation	3.0
B-1 Physical Science Take one of the following:		COMM115 - Introduction to Argumentation and Debate	3.0
ASTR101 - Astronomy	3.0	COMM116 - Forensics	3.0
CHEM101 - Introductory Chemistry	5.0	COMM219 - Introduction to Intercultural Communication	3.0
CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0	List A Take one of the following:	
CHEM110 - General Chemistry	5.0	COMM105 - Introduction to Mass Communication	3.0
CHEM120 - General Chemistry	5.0	COMM109 - Small Group Communication	3.0
CHEM210 - Organic Chemistry	4.0	COMM110 - Persuasion	3.0
CHEM220 - Organic Chemistry	4.0	COMM112 - Oral Interpretation	3.0
ERSC101 - Introduction to Earth Science	4.0	COMM115 - Introduction to Argumentation and Debate	3.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0	COMM116 - Forensics	3.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0	COMM219 - Introduction to Intercultural Communication	3.0
GEOL101 - Physical Geology	3.0	B-2 Life Science Take one of the following:	
GEOL102 - Historical Geology	3.0	ANTH101 - Introduction to Biological Anthropology	3.0
PHYS101 - Introductory Physics	4.0		
PHYS102 - Introductory Physics	4.0		

BIOL101 - General Biology	3.0	OR	0.0
BIOL102 - Human Biology	4.0	ENGL103 - Critical Thinking and Research	3.0
BIOL103 - Introduction to Botany	4.0	F. Ethnic Studies Take one of the following:	
BIOL104 - Environmental Biology	3.0	Ethnic Studies Course	3.0
BIOL110 - General Molecular Cell Biology	5.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0	E. Lifelong Learning and Self-Development Take one of the following:	
BIOL201 - General Human Anatomy	4.0	CFE102 - The Developing Child	3.0
BIOL202 - General Human Physiology	4.0	COMM107 - Introduction to Interpersonal Communication	3.0
BIOL204 - General Microbiology	5.0	DA108 - Dance Ensemble	3.0
BIOL205 - Introduction to Biotechnology	3.0	DA111 - Choreography	3.0
Any CSU GE Area B-2	3.0	HD101 - College and Life Management	3.0
B-3 Laboratory Activity Take one of the following:		HD102 - Soldiers to Scholars	3.0
ANTH101L - Biological Anthropology Lab	1.0	HD105 - Personal Development	3.0
ASTR101L - Astronomy Laboratory	1.0	HE101 - Health Education	3.0
BIOL101L - General Biology Lab	1.0	HE120 - Stress Management	3.0
GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0	NF100 - Nutrition	3.0
GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0	NF103 - Principles of Food Preparation	3.0
GEOL101L - Physical Geology Lab	1.0	NF150 - Food and Culture	3.0
GEOL102L - Historical Geology Laboratory	1.0	PSY212 - Human Sexuality	3.0
Any CSU GE Area B-3	1.0	PSY236 - Developmental Psychology	3.0
D. Social Sciences Take one of the following:		SOC111 - Issues and Concepts in Aging	3.0
HIST107 - U.S. History, 1607-1877	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST108 - U.S. History from 1865	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST110 - African-American History, 1450-1877	3.0	Any CSU GE Area E	3.0
HIST111 - African-American History, 1877-Present	3.0	C-1 Arts (art, Dance, Music, Theatre) Take one of the following:	
Total Credits	13.0 - 15.0	COMM112 - Oral Interpretation	3.0
Term 4 Credits		COMM114 - Art of Storytelling	3.0
List B Take one of the following:		Elective General Elective	3.0
OR any List A course not already used	0.0	Total Credits	12.0 - 15.0
COMM215 - Public Relations Communication	3.0	Program Outcomes	
JOUR121 - Beginning Journalism	3.0	AA-T Communication Studies	
ANTH102 - Introduction to Cultural Anthropology	3.0	Program majors will demonstrate articulate and professional verbal expression.	
PSY101 - General Psychology	3.0	Through active listening, program majors will critically analyze verbal and nonverbal messages in a variety of contexts.	
SOC101 - Introduction to Sociology	3.0	Program majors will make ethical communication decisions based on an understanding of cultural diversity.	
COMM114 - Art of Storytelling	3.0		
COMM217 - Gender and Communication	3.0		
<< ENGL102 CRITICAL THINKING AND LITERATURE OR ENGL103 CRITICAL THINKING AND RESEARCH	0.0		
ENGL102 - Critical Thinking and Literature	3.0		

Introduction to Public Speaking

COMM101:

3.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. The basic course in public speaking provides instruction in the principles of the strategic uses of oral communication and gives students practical experience in organizing and analyzing their ideas, critiquing the oral messages of others and active listening. (C-ID: COMM 110) (UC, CSU, AVC) (GE: IGETC Area 1C, CSU Area A1, AVC Area D2)

Introduction to Mass Communication

COMM105:

3.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. 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) (CSU, UC, AVC)

Introduction to Interpersonal Communication

COMM107:

3.0 Units

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) (GE: CSU Area E, AVC Area D2, E)

Small Group Communication

COMM109:

3.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. 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) (GE: AVC Area D2)

Persuasion

COMM110:

3.0 Units

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. (UC, CSU, AVC) (GE: CSU Area A3)

Oral Interpretation

COMM112:

3.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. 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) (GE: CSU Area C1, C2, AVC Area C, D2)

Art of Storytelling

COMM114:

3.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. 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) (GE: IGETC Area 3B, CSU Area C1, AVC Area C, D2, F)

Introduction to Argumentation and Debate

COMM115:

3.0 Units

Advisory: Eligibility for ENGL 101 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) (GE: CSU A3, AVC Area D2)

Forensics

COMM116:

3.0 Units

Advisory: Completion of COMM 101 or COMM 112 and eligibility for ENGL 101. 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)

Work Experience

COMM199:

4.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Virtual Communication and Expressive Technology

COMM201:

3.0 Units

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)

Public Relations Communication

COMM215:

3.0 Units

Prerequisite: Completion of ENGL 101. This course introduces theory-based communication concepts (such as Source-Message-Channel-Receiver) and presents methods for disseminating information to the public. Composition methods for print, electronic, and graphic communication media are taught. Skill in basic math computation, public speaking, art, and computer literacy are recommended. Furthermore, the course is applications-based and designed for those students desiring practical public communication applications training and study. (CSU, UC, AVC)

Gender and Communication

COMM217:

3.0 Units

Prerequisite: Completion of ENGL 101. 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) (GE: IGETC Area 3B, CSU Area C2, AVC Area B, D2, F)

Introduction to Intercultural Communication

COMM219:

3.0 Units

Prerequisite: Completion of ENGL 101. The course explores communication practices and power dynamics of historically dominant, marginalized, and disadvantaged communities by examining communication practices across a diverse range of cultures, to include Native, African, Asian, and/or Latina/o/x American communities. Intercultural communication theories will be examined to understand how we communicate cultural identities in interpersonal, group, professional, travel, and virtual settings. Students will learn to actively and creatively engage in advocacy and activism to address intercultural conflict and ethical cross-cultural communication in a variety of situations. (C-ID: COMM 150) (UC, CSU, AVC) (GE: CSU Area C2, AVC Area D2, F)

Computer Applications

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

Computer Applications Cert

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 - 29)

Complete all of the following

Required Courses (Total 25 - 26)

Complete all of the following

Introductory Module (Total 3 - 4)

Complete the following number of credits: 3-4

CA103 - Introduction to Computer and Digital Technology 3

CA221 - Computer Concepts & Applications in Business 4

Intermediate Module (Total 16)

Complete all of the following

CA107 - Microcomputer Hardware and Software Support 4

CA111 - Word Processing-Microsoft Word 3

CA121 - Microcomputer Spreadsheets 3

CA151 - Microcomputer Operating System 3

CA171 - Introduction to Networking 3

Advance Module (Total 6)

Complete all of the following

CA131 - Relational Database Management and Design 3

CA157 - Introduction to Linux 3

Program Elective (Total 3)

Complete the following number of credits: 3

CA103 - Introduction to Computer and Digital Technology 3

CA175 - Administering Windows Server 3

CA199 - Occupational Work Experience 1 - 8

CA221 - Computer Concepts & Applications in Business 4

Recommended Pathway

Computer Applications Cert

Fall Semester

Introductory Module CA221 - Computer Concepts & Applications in Business	4.0
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Intermediate Module CA111 - Word Processing-Microsoft Word	3.0
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Intermediate Module CA121 - Microcomputer Spreadsheets	3.0
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Intermediate Module CA107 - Microcomputer Hardware and Software Support	4.0
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Total Credits	14.0
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Spring Semester Credits

Advance Module CA157 - Introduction to Linux	3.0
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Advance Module CA131 - Relational Database Management and Design	3.0
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Intermediate Module CA151 - Microcomputer Operating System	3.0
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Intermediate Module CA171 - Introduction to Networking	3.0
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Total Credits	12.0
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Fall Semester Credits

Program Elective CA175 - Administering Windows Server	3.0
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Total Credits	3.0
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Program Outcomes

Computer Applications Cert

Demonstrate an understanding of computer components and explain their purpose.

Demonstrate the ability to use a word processing software application.

Demonstrate the ability to use a spreadsheet software application.

Demonstrate the ability to use a database management software application.

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 61-62 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)

Complete all of the following

Introductory Computer Application Module (Total 3 - 4)

Complete the following number of credits: 3-4

CA103 - Introduction to Computer and Digital Technology 3

CA221 - Computer Concepts & Applications in Business 4

Intermediate Module (Total 16)

Complete all of the following

CA107 - Microcomputer Hardware and Software Support 4

CA111 - Word Processing-Microsoft Word 3

CA121 - Microcomputer Spreadsheets 3

CA151 - Microcomputer Operating System 3

CA171 - Introduction to Networking 3

Advance Module (Total 6)

Complete the following number of credits: 6

CA131 - Relational Database Management and Design 3

CA157 - Introduction to Linux 3

Program Electives (Total 3 - 4)

Complete the following number of credits: 3-4

CA103 - Introduction to Computer and Digital Technology 3

CA175 - Administering Windows Server 3

CA199 - Occupational Work Experience 1 - 9

CA221 - Computer Concepts & Applications in Business 4

Recommended Pathway

GE RPS

Fall Semester Credits

Introductory Computer Application Module CA221 - Computer Concepts & Applications in Business 4.0

Elective BIP110 - Keyboarding I 1.0

Elective BIP120 - Keyboarding II 1.0

Elective BIP130 - Keyboarding III 1.0

Area E - Additional Breadth HD101 - College and Life Management 3.0

D1 - Language & Rationality - Communication and Analytical Thinking ENGL101 - Academic Composition 3.0

Total Credits 13.0

Spring Semester Credits

Intermediate Module CA107 - Microcomputer Hardware and Software Support 4.0

Intermediate Module CA111 - Word Processing-Microsoft Word 3.0

Intermediate Module CA151 - Microcomputer Operating System 3.0

Area A - Natural Sciences BIOL104 - Environmental Biology 3.0

Total Credits 13.0

Summer Semester Credits

Area B - Social & Behavioral Sciences POLS101 - Amer Political Institutions 3.0

Elective BUS111 - Business English 3.0

Area C - Humanities MUSC102 - History of Jazz 3.0

Total Credits 9.0

Fall Semester Credits

Intermediate Module CA121 - Microcomputer Spreadsheets 3.0

Intermediate Module CA171 - Introduction to Networking 3.0

Advance Module CA157 - Introduction to Linux 3.0

Elective BUS113 - Business Communications 3.0

Total Credits 12.0

Spring Semester Credits

D2 - Language & Rationality - Communication and Analytical Thinking MATH102 - Intermediate Algebra 4.0

Advance Module CA131 - Relational Database Management and Design 3.0

Area F - Diversity Studies BUS212 - Women in Organizations 3.0

Program Electives CA175 - Administering Windows Server 3.0

Total Credits 13.0

Program Outcomes

AS Computer Applications

Demonstrate an understanding of computer components and explain their purpose.

Demonstrate the ability to use a word processing software application.

Demonstrate the ability to use a spreadsheet software application.

Demonstrate the ability to use a database management software application

Computer Networking Core Cert

The Computer Networking Program consists of two parts: the Computer Networking Core 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 Core 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 Core This entry-level "core" certificate is composed of five basic computer courses and one network operating system elective for a total of 19 units.

Program Requirements

Computer Networking Core Cert (Total 19)

Complete the following number of credits: 19

CA107 - Microcomputer Hardware and Software Support	4
CA151 - Microcomputer Operating System	3
CA171 - Introduction to Networking	3
CA176 - Windows Server Networking	3
CA182 - Network Security	3
CA175 - Administering Windows Server	3

Recommended Pathway

Computer Networking Core Cert

First Semester	Credits
Computer Networking Core Cert CA107 - Microcomputer Hardware and Software Support	4.0
Computer Networking Core Cert CA151 - Microcomputer Operating System	3.0
Computer Networking Core Cert CA171 - Introduction to Networking	3.0
Computer Networking Core Cert CA175 - Administering Windows Server	3.0
Total Credits	13.0
Second Semester	Credits
Computer Networking Core Cert CA182 - Network Security	3.0
Computer Networking Core Cert CA176 - Windows Server Networking	3.0
Total Credits	6.0

Program Outcomes

Computer Networking Core Cert

Demonstrate the ability to setup, configure, troubleshoot and maintain a microcomputer operating system.

Demonstrate networking skills that include installing, configuring, and troubleshooting network devices, protocols, and services.

Demonstrate networking administration skills related to server operating systems, network security, and directory services administration.

Computer Networking Multi-Platform Cert

The Computer Networking Program consists of two parts: the Computer Networking Core Certificate-an 18-unit, entry-level certificate composed of five basic computer courses and one network operating system elective; and the Computer Networking Multi-Platform Certificate-a 30-unit program that includes the six courses in the Core 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 Multi-Platform The Multi-Platform Certificate builds on the Computer Networking Core certificate to enhance the skills and knowledge of the student. Any course taken in the Core certificate does not need to be taken again for the Multi-Platform Certificate.

Program Requirements

Computer Networking Multi-Platform Cert (Total 31)

Complete all of the following

Required Courses (Total 28)

Complete the following number of credits: 28

CA107 - Microcomputer Hardware and Software Support	4
CA151 - Microcomputer Operating System	3
CA157 - Introduction to Linux	3
CA159 - SUSE Linux Server Administration	3
CA171 - Introduction to Networking	3
CA175 - Administering Windows Server	3
CA176 - Windows Server Networking	3
CA182 - Network Security	3
CA153 - Windows Installation and System Support	3
Program Electives (Total 3)	
Complete the following number of credits: 3	
CA103 - Introduction to Computer & Digital Technology	3
CA131 - Relational Database Management & Design	3
CA132 - Oracle SQL Database Management	3
CA183 - Security Countermeasures	3

Recommended Pathway

Computer Networking Multi-Platform Cert

First Semester	Credits
Required Courses CA107 - Microcomputer Hardware and Software Support	4.0

Required Courses CA171 - Introduction to Networking	3.0
Required Courses CA151 - Microcomputer Operating System	3.0
Required Courses CA157 - Introduction to Linux	3.0
Total Credits	13.0
Second Semester Credits	
Required Courses CA182 - Network Security	3.0
Required Courses CA153 - Windows Installation and System Support	3.0
Required Courses CA175 - Administering Windows Server	3.0
Total Credits	9.0
Third Semester Credits	
Required Courses CA159 - SUSE Linux Server Administration	3.0
Required Courses CA176 - Windows Server Networking	3.0
Program Electives Take one of the following:	
CA103 - Introduction to Computer and Digital Technology	3.0
CA131 - Relational Database Management and Design	3.0
CA132 - Oracle SQL Database Management	3.0
CA183 - Security Countermeasures	3.0
Total Credits	9.0

Program Outcomes

Computer Networking Multi Cert

Demonstrate the ability to setup, configure, troubleshoot and maintain a microcomputer operating system.

Demonstrate networking skills that include installing, configuring, and troubleshooting network devices, protocols, and services.

Demonstrate networking administration skills related to server operating systems, network security, and directory services administration.

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, 24 units of general education requirements, and sufficient elective credits to total 62 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)

Complete the following number of credits: 28

CA107 - Microcomputer Hardware and Software Support 4

CA151 - Microcomputer Operating System 3

CA157 - Introduction to Linux 3

CA159 - SUSE Linux Server Administration 3

CA171 - Introduction to Networking 3

CA175 - Administering Windows Server 3

CA176 - Windows Server Networking 3

CA182 - Network Security 3

CA153 - Windows Installation and System Support 3

Program electives (Total 3)

Complete the following number of credits: 3

CA103 - Introduction to Computer and Digital Technology 3

CA131 - Relational Database Management & Design 3

CA132 - Oracle SQL Database Management 3

CA183 - Security Countermeasures 3

Recommended Pathway

Computer Networking Multi-Platform AS

First Semester

Credits

Required Courses CA107 - Microcomputer Hardware and Software Support 4.0

Required Courses CA151 - Microcomputer Operating System 3.0

D1 - Language & Rationality - Communication and Analytical Thinking ENGL101 - College Composition 3.0

Area E - Additional Breadth HD101 - College and Life Management 3.0

Total Credits 13.0

Second Semester

Credits

Required Courses CA153 - Windows Installation and System Support 3.0

Required Courses CA171 - Introduction to Networking 3.0

Required Courses CA175 - Administering Windows Server 3.0

Area C - Humanities SPAN101 - Elementary Spanish 1	5.0
Total Credits	14.0
Summer Semester	Credits
Area B - Social & Behavioral Sciences BUS101 - Introduction to Business	3.0
Elective General Elective	3.0
Total Credits	6.0
Third Semester	Credits
Program electives CA131 - Relational Database Management and Design	3.0
D2 - Language & Rationality - Communication and Analytical Thinking MATH115 - Statistics	4.0
Required Courses CA157 - Introduction to Linux	3.0
Required Courses CA176 - Windows Server Networking	3.0
Total Credits	13.0
Fourth Semester	Credits
Area F - Diversity Studies BUS212 - Women in Organizations	3.0
Required Courses CA182 - Network Security	3.0
Required Courses CA159 - SUSE Linux Server Administration	3.0
Area A - Natural Sciences ELTE101 - Survey of Electronics	4.0
Elective General Elective	3.0
Total Credits	16.0

Program Outcomes

AS Computer Networking Multi-Plat

Demonstrate the ability to setup, configure, troubleshoot and maintain a microcomputer operating system.

Demonstrate networking skills that include installing, configuring, and troubleshooting network devices, protocols, and services.

Demonstrate networking administration skills related to server operating systems, network security, and directory services administration.

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 21 units to be completed.

Program Requirements

IT Cybersecurity Cert (Total 21)

Complete the following number of credits: 21

Required course (Total 3)

Complete the following number of credits: 3

CA165 - Digital Forensics Fundamentals 3

CA166 - Cloud Security Fundamentals 3

Required courses (Total 18)

Complete all of the following

CA157 - Introduction to Linux 3

CA170 - Virtualization and Cloud Essentials 3

CA171 - Introduction to Networking 3

CA175 - Administering Windows Server 3

CA182 - Network Security 3

CA183 - Security Countermeasures 3

Recommended Pathway

IT Cybersecurity Cert

Semester # 1	Credits
Required courses CA157 - Introduction to Linux	3.0
Required courses CA170 - Virtualization and Cloud Essentials	3.0
Required courses CA171 - Introduction to Networking	3.0
Total Credits	9.0
Semester # 2	Credits
Required courses CA175 - Administering Windows Server	3.0
Required courses CA182 - Network Security	3.0
Required courses CA183 - Security Countermeasures	3.0
Total Credits	9.0
Semester # 3	Credits
Required course CA165 - Digital Forensics Fundamentals	3.0
Total Credits	3.0

Program Outcomes

Certificate IT Cybersecurity

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.

Demonstrate an understanding of the concepts of computer forensics and summarize how to prepare for a computer investigation.

Identify various cloud interface standards and protocols for building a cloud infrastructure using the cloud computing reference model.

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 60-62 units to be completed.

Program Requirements

IT Cybersecurity AS (Total 30)

Complete all of the following

Required Courses (Total 21)

Complete all of the following

Required courses (Total 18)

Complete all of the following

CA157 - Introduction to Linux 3

CA170 - Virtualization and Cloud Essentials 3

CA171 - Introduction to Networking 3

CA175 - Administering Windows Server 3

CA182 - Network Security 3

CA183 - Security Countermeasures 3

Required Course (Total 3)

Complete the following number of credits: 3

CA165 - Digital Forensics Fundamentals 3

CA166 - Cloud Security Fundamentals 3

Program Electives (Total 9)

Complete the following number of credits: 9

CA107 - Microcomputer Hardware and Software Support 4

CA131 - Relational Database Management and Design 3

CA159 - SUSE Linux Server Administration 3

CA176 - Windows Server Networking 3

CA179 - Cybersecurity Operations -CCNA-Cyberops 3

CA165 - Digital Forensics Fundamentals 3

CA166 - Cloud Security Fundamentals 3

Recommended Pathway

IT Cybersecurity AS

Fall Semester	Credits
Program Electives CA107 - Microcomputer Hardware and Software Support	4.0
Required courses CA157 - Introduction to Linux	3.0
D1 - Language & Rationality - Communication and Analytical Thinking ENGL101 - Academic Composition	3.0
Area E - Additional Breadth HD101 - College and Life Management	3.0
Elective BIP110 - Keyboarding I	1.0
Elective BIP120 - Keyboarding II	1.0

Elective BIP130 - Keyboarding III	1.0
Total Credits	16.0
Spring Semester	Credits
Required Courses CA170 - Virtualization and Cloud Essentials	3.0
Required courses CA171 - Introduction to Networking	3.0
D2 - Language & Rationality - Communication and Analytical Thinking MATH102 - Intermediate Algebra	4.0
Elective CA153 - Windows Install & Sys Support	3.0
Total Credits	13.0
Summer Semester	Credits
Area B - Social & Behavioral Sciences POLS101 - Amer Political Institutions	3.0
Area C - Humanities MUS101 - Music Appreciation	3.0
Area F - Diversity Studies BUS212 - Women in Organizations	3.0
Total Credits	9.0
Fall Semester	Credits
Required courses CA175 - Administering Windows Server	3.0
Required courses CA182 - Network Security	3.0
Required courses CA183 - Security Countermeasures	3.0
Area A - Natural Sceicnes BIOL104 - Environmental Biology	3.0
Total Credits	12.0
Spring Semester	Credits
Required Course CA165 - Digital Forensics Fundamentals	3.0
Program Electives CA166 - Cloud Security Fundamentals	3.0
Program Electives CA179 - Cybersecurity Operations -CCNA-Cyberops	3.0
Elective CA185 - Network Security - CCNA Security	3.0
Total Credits	12.0

Program Outcomes

AS IT Cybersecurity

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

Demonstrate an understanding of the concepts of computer forensics and summarize how to prepare for a computer investigation.

Identify various cloud interface standards and protocols for building a cloud infrastructure using the cloud computing reference model.

Computers, Application Software, and Technology for Beginners

CA098:

0.0 Units

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.

Introduction to Computer and Digital Technology

CA103:

3.0 Units

This course is designed to teach computer users the features of a microcomputer, how a microcomputer operates, and how to select a microcomputer that best fits individual needs. Students 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. 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. (UC, CSU, AVC) (GE: AVC Area D2)

Microcomputer Hardware and Software Support

CA107:

4.0 Units

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. (AVC)

Word Processing-Microsoft Word

CA111:

3.0 Units

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)

Microcomputer Spreadsheets

CA121:

3.0 Units

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)

Relational Database Management and Design

CA131:

3.0 Units

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)

Oracle SQL Database Management

CA132:

3.0 Units

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)

Microcomputer Operating System

CA151:

3.0 Units

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)

Windows Installation and System Support

CA153:

3.0 Units

Advisory: Completion of CA 103 or CIS 101 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)

Introduction to Linux

CA157:

3.0 Units

Advisory: Completion of CA 103 or CA 221 or CIS 101 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)

SUSE Linux Server Administration

CA159:

3.0 Units

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. (CSU, AVC)

Digital Forensics Fundamentals

CA165:

3.0 Units

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)

Cloud Security Fundamentals

CA166:

3.0 Units

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)

Virtualization and Cloud Essentials

CA170:

3.0 Units

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)

Introduction to Networking

CA171:

3.0 Units

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. (CSU, AVC)

Administering Windows Server

CA175:

3.0 Units

Advisory: Completion of CA 103 or Completion of CA 221. 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)

Windows Server Networking

CA176:

3.0 Units

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)

Cybersecurity Operations -CCNA-Cyberops

CA179:

3.0 Units

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)

Network Security

CA182:

3.0 Units

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)

Security Countermeasures

CA183:

3.0 Units

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. (CSU, AVC)

Network Security - CCNA Security

CA185:

3.0 Units

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. This course will help students prepare for the CCNA Security exam. (CSU, AVC)

Occupational Work Experience

CA199:

4.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Computer Concepts & Applications in Business

CA221:

4.0 Units

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) (CSU, UC, AVC)

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:

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

(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education Breadth Requirements.

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

(2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

*This degree may only be earned by completing the Intersegmental General Education Transfer Curriculum (IGETC) requirements.

Program Requirements

Computer Science AST Core Courses (Total 29 - 30)

Complete all of the following

Programming Language Options; Select One Grouping (Total 6)

Complete the following number of credits: 6

C/C++ Programming (Total 6)

Complete all of the following

CS120 - Programming and Algorithms in C/C++ 3

CS130 - Data Structures using C++ 3

Java Programming (Total 6)

Complete all of the following

CS121 - Programming and Algorithms in Java 3

CS131 - Data Structures using Java 3

Python Programming (Total 6)

Complete all of the following

CS122 - Programming and Algorithms in Python 3

CS132 - Data Structures using Python 3

Core Courses Required (Total 19)

Complete all of the following

CS140 - Assembly Language and Computer Architecture 3

CS150 - Discrete Structures 3

MATH150 - Calculus and Analytic Geometry 5

MATH160 - Calculus and Analytic Geometry 4

PHYS110 - General Physics 4

Core Course Options (Total 4 - 5)

Complete the following number of credits: 4-5

BIOL110 - General Molecular Cell Biology 5

BIOL120 - General Organismal, Ecological and Evolutionary Biology 5

CHEM110 - General Chemistry 5

PHYS120 - General Physics 4

Recommended Pathway

Computer Science AS-T IGETC

Summer 1

Credits

Area 3A – Arts Take one of the following:

ART100 - Art Appreciation 3.0

ART101 - History of Art, Prehistoric to Gothic 3.0

ART102 - History of Art, Renaissance to Modern 3.0

ART103 - History of Art: Africa, Oceania and Indigenous North America 3.0

ART104 - History of Modern and Contemporary Art in the 20th Century 3.0

DA101 - Dance Appreciation 3.0

ENGL235 - Shakespeare and Culture 3.0

FTV101 - Introduction to Film 3.0

FTV107 - History of Film, Pre 1950 3.0

FTV108 - History of Film, 1950-Present 3.0

FTV203 - African-American Cinema 3.0

MUS101 - Music Appreciation 3.0

MUS105 - World Music 3.0

MUSC102 - History of Jazz 3.0

MUSC103 - History of Rock 'n Roll 3.0

MUSC107 - History of Women in Rock Music 3.0

THA101 - Introduction to Theatre 3.0

THA110 - Fundamentals of Acting 3.0

Any IGETC GE Area 3A 3.0

Any IGETC GE Area 3A or 3B 3.0

Area 1 Group C – Oral Communication (CSU Only)

Take one of the following:

COMM101 - Introduction to Public Speaking 3.0

Total Credits 6.0

Semester 1	Credits
Area 3A – Arts Take one of the following:	
MUSC102 - History of Jazz	3.0
MUSC103 - History of Rock 'n Roll	3.0
MUSC107 - History of Women in Rock Music	3.0
Programming Language Options; Select One Grouping	
Take one of the following:	
CS120 - Programming and Algorithms in C/C++	3.0
CS121 - Programming and Algorithms in Java	3.0
CS122 - Programming and Algorithms in Python	3.0
Area 1 Group A – English Composition	
ENGL101 - College Composition	3.0
Core Courses Required MATH150 - Calculus and Analytic Geometry	5.0
Total Credits	14.0
Semester 2	Credits
Programming Language Options; Select One Grouping	
Take one of the following:	
CS130 - Data Structures using C++	3.0
CS131 - Data Structures using Java	3.0
CS132 - Data Structures using Python	3.0
Core Courses Required MATH160 - Calculus and Analytic Geometry	4.0
Area 5B – Biological Sciences BIOL104 - Environmental Biology	3.0
Area 1 Group B – Critical Thinking - English Composition ENGL103 - Critical Thinking and Research	3.0
Total Credits	13.0
Semester 3	Credits
Core Courses Required CS140 - Assembly Language and Computer Architecture	3.0
Core Courses Required PHYS110 - General Physics	4.0
Area 4 – Social and Behavioral Sciences GEOG105 - Cultural Geography	3.0
Area 4 – Social and Behavioral Sciences SOC110 - Ethnic Relations	3.0
Total Credits	13.0
Semester 4	Credits
Core Courses Required CS150 - Discrete Structures	3.0

Core Course Options Take one of the following:	
BIOL110 - General Molecular Cell Biology	5.0
BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
CHEM110 - General Chemistry	5.0
PHYS120 - General Physics	4.0
Elective General Elective	1.0
Area 4 – Social and Behavioral Sciences POLS101 - American Political Institutions	3.0
Area 3B – Humanities Take one of the following:	
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
Total Credits	14.0 - 15.0

Program Outcomes

Associate in Science in Computer Science for Transfer

Design, create and test a program in a high-level, object-oriented, programming language based on a given set of specifications.

Design, create and test a program in assembly language based on a given set of specifications.

Solve common problems in the Binary and Hexadecimal numbering systems.

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

Core Non Programming Courses (Total 9)

Complete all of the following

MATH150 - Calculus and Analytic Geometry 5

PHYS110 - 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

CS120 - Programming and Algorithms in C/C++ 3

CS130 - Data Structures using C++ 3

Java Programming (Total 6)

Complete all of the following

CS121 - Programming and Algorithms in Java 3

CS131 - Data Structures using Java 3

Python Programming (Total 6)

Complete all of the following

CS122 - Programming and Algorithms in Python 3

CS132 - Data Structures using Python 3

Recommended Pathway

Programming Fundamentals

Term 1

Credits

Core Programming Courses

Take one of the following:

CS120 - Programming and Algorithms in C/C++ 3.0

CS121 - Programming and Algorithms in Java 3.0

CS122 - Programming and Algorithms in Python 3.0

Core Non Programming Courses MATH150 - Calculus and Analytic Geometry 5.0

Total Credits 8.0

Term 2

Credits

Core Programming Courses

Take one of the following:

CS120 - Programming and Algorithms in C/C++ 3.0

CS121 - Programming and Algorithms in Java 3.0

CS122 - Programming and Algorithms in Python 3.0

Core Non Programming Courses PHYS110 - General Physics 4.0

Total Credits 7.0

Program Outcomes

Programming Fundamentals

Apply knowledge of computer programming to identify, define, and solve business problems.

Design and perform tests/experiments, analyze and interpret data, and prepare technical reports as a member of a computer programming project group.

Survey of Computer Science

CS100:

3.0 Units

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)

Introduction to Programming Concepts and Methodologies

CS110:

3.0 Units

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)

Programming and Algorithms in C/C++

CS120:

3.0 Units

Advisory: Completion of CS 110. 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/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 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) (CSU, UC, AVC) (Students who completed CIS 161 or CIS 173 will not receive credit for CS 120)

Programming and Algorithms in Java

CS121:

3.0 Units

Advisory: Completion of CS 110. 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)
(CSU, UC, AVC) (Formerly CIS 111)

Programming and Algorithms in Python

CS122:

3.0 Units

Advisory: Completion of CS 110. 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.

(Engineering and science majors consult counselors)
(CSU, UC, AVC) (Formerly CIS 177)

Programming and Algorithms in C# CS123:

3.0 Units

Advisory: Completion of CS110. 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)
(CSU, UC, AVC) (Formerly CIS 174)

Data Structures using C++

CS130:

3.0 Units

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)

Data Structures using Java

CS131:

3.0 Units

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.) (CSU, AVC) (Formerly CIS 113)

Data Structures using Python

CS132:

3.0 Units

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.) (CSU, AVC)

Assembly Language and Computer Architecture

CS140:

3.0 Units

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)

Discrete Structures

CS150:

3.0 Units

Prerequisite: 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. (CSU, UC, AVC) (Formerly CIS 121)

Advanced Programming and Algorithms in C++

CS230:

3.0 Units

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)

Advanced Programming and Algorithms in Java

CS231:

3.0 Units

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)

Dance

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.

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 planning to transfer will have a clear pathway to the California State University (CSU) or the University of California (UC) institutions, specifically Cal State Fullerton, however, guidance from AVC counselors could allow for transfer to an alternative institution. The requirements for an Associate in Arts in Dance may be satisfied by completing 27-30 units from the required core and electives, 21 units of general education, and sufficient elective credits to total 60 units.

Program Requirements

Dance (Total 27 - 30)

Complete the following number of credits: 27-30

Required Courses (Total 11)

Complete the following number of credits: 11

DA103 - Beginning Modern Dance 1

DA108 - Dance Ensemble 3

DA111 - Choreography 3

DA116 - Dance Improvisation 1

MUS111 - Fundamentals of Music (Music Theory I) 3

Required Electives A (Total 2)

Complete the following number of credits: 2

DA102 - Beg Ballet 1

DA122 - Int Ballet 1

DA202 - Advanced Ballet 1

Required Electives B (Total 2)

Complete the following number of credits: 2

DA123 - Int Modern Dance 1

DA203 - Adv Modern Dance 1

Required Electives C (Total 12 - 15)

Complete the following number of credits: 12-15

DA104 - Beg Jazz Dance 1

DA105 - Beg Tap Dance 1

DA107A - Dance Performance 1

DA107B - Dance Performance 2

DA107C - Dance Performance 3

DA113 - World Dance-Ethnic Forms 1

DA124 - Int Jazz Dance 1

DA125 - Int Tap Dance 1

DA204 - Adv Jazz Dance 1

DA205 - Advanced Tap Dance 1

MUSC102 - History of Jazz 3

MUSC108 - History of Hip Hop 3

THA101 - Introduction to Theatre 3

THA110 - Fundamentals of Acting 3

Recommended Pathway

Dance

Term 1

Credits

Required Electives A Take one of the following:

DA102 - Beg Ballet 1.0

DA122 - Int Ballet 1.0

Required Courses DA103 - Beginning Modern Dance 1.0

Required Electives C DA107A - Dance Performance 1.0

Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition 3.0

Area D2 - Language & Rationality - Academic Composition

Take one of the following:

COMM101 - Introduction to Public Speaking 3.0

MATH110 - Mathematics for Liberal Arts Students 3.0

Required Electives C Take one of the following:

MUSC102 - History of Jazz 3.0

THA101 - Introduction to Theatre 3.0

THA110 - Fundamentals of Acting 3.0

Area A - Natural Sciences ANTH101 - Introduction to Biological Anthropology 3.0

Total Credits 15.0

Term 2

Credits

Required Electives C DA105 - Beg Tap Dance 1.0

Required Electives A Take one of the following:

DA122 - Int Ballet 1.0

DA202 - Advanced Ballet 1.0

Required Electives B Take one of the following:

DA123 - Int Modern Dance 1.0

DA203 - Adv Modern Dance	1.0
Required Courses DA116 - Dance Improvisation	1.0
Required Electives C DA107C - Dance Performance	3.0
Area C - Humanities MUS111 - Fundamentals of Music (Music Theory I)	3.0
Area F - Diversity Studies HIST111 - African-American History, 1877-Present	3.0
Total Credits	13.0

Term 3 Credits

Required Electives C Take one of the following:	
DA104 - Beg Jazz Dance	1.0
DA124 - Int Jazz Dance	1.0
Required Courses DA108 - Dance Ensemble	3.0
Required Courses DA111 - Choreography	3.0
Required Electives C DA113 - World Dance-Ethnic Forms	1.0
Required Electives A Take one of the following:	
DA122 - Int Ballet	1.0
DA202 - Advanced Ballet	1.0
Required Electives B Take one of the following:	
DA123 - Int Modern Dance	1.0
DA203 - Adv Modern Dance	1.0
Required Electives C Take one of the following:	
MUSC102 - History of Jazz	3.0
THA101 - Introduction to Theatre	3.0
THA110 - Fundamentals of Acting	3.0
Elective General Elective	3.0
Total Credits	16.0

Term 4 Credits

Required Electives C Take one of the following:	
DA124 - Int Jazz Dance	1.0
DA204 - Adv Jazz Dance	1.0
Required Electives C Take one of the following:	
DA125 - Int Tap Dance	1.0
DA205 - Advanced Tap Dance	1.0
Required Electives A DA202 - Advanced Ballet	1.0
Required Electives B DA203 - Adv Modern Dance	1.0
Required Electives C Take one of the following:	
MUSC102 - History of Jazz	3.0
THA101 - Introduction to Theatre	3.0
THA110 - Fundamentals of Acting	3.0

Required Electives C MUSC108 - History of Hip Hop	3.0
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Area E -Additional Breadth

Take one of the following:

KINT100 - Introduction to Kinesiology	3.0
NF100 - Nutrition	3.0

Area B - Social & Behavioral Sceinces

ANTH102 - Introduction to Cultural Anthropology	3.0
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Total Credits	16.0
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Program Outcomes

A.A. DANCE

Demonstrate knowledge of various dance techniques, dance vocabulary, choreography, performance, and history of various dance forms.

Communicate dramatic or emotional content by expression through choreography and dance performance.

Analyze dance works and interpret dance works for their historical origins and choreographic technique.

Dance Appreciation

DA101:

3.0 Units

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) (GE: IGETC 3A, CSU Area C1, AVC Area C)

Beg Ballet

DA102:

1.0 Units

A beginning course that introduces the student to the basic vocabulary, movements, and discipline of classical ballet. (UC, CSU, AVC) (R3#) (GE: AVC Area E) # Enrollment in any combination of DA 102 or DA 122 is limited to 4 times.

Beginning Modern Dance

DA103:

1.0 Units

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#) (GE: AVC Area E) # Enrollment in any combination of DA 103, DA 123 or DA 203 is limited to 4 times.

Beg Jazz Dance

DA104:

1.0 Units

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) (GE: AVC Area E)

Beg Tap Dance

DA105:

1.0 Units

This course will introduce basic tap dance techniques using various beginning level combinations and rhythmic structures. It will provide an opportunity to develop motor coordination and rhythm. Some history of tap dance will be included. Compositional forms and rhythms are practiced leading to an understanding and appreciation of tap as an artistic dance form. (UC, CSU, AVC) (GE: AVC Area E)

Ballroom Dance

DA106:

1.0 Units

This course is designed to introduce students to ballroom dancing through developing an understanding of its history, music, and fundamental practices of performance. Basic steps, variations and styling techniques for the fox trot, swing, waltz, cha cha, tango, rumba, samba, mambo, polka, and selected novelty dances will be included. (UC, CSU, AVC) (GE: AVC Area E)

Dance Performance

DA107A:

1.0 Units

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. BEFORE AUDITIONING, students should have at least two years of dance experience and the knowledge of various dance techniques. (CSU, UC, AVC) (R3#) #Enrollment in any combination of DA 107A, DA 107B or DA 107C is limited to 4 times.

Dance Performance

DA107B:

2.0 Units

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. BEFORE AUDITIONING, students should have at least two years of dance experience and the knowledge of various dance techniques. (CSU, UC, AVC) (R3#) #Enrollment in any combination of DA 107A, DA 107B or DA 107C is limited to 4 times.

Dance Performance

DA107C:

3.0 Units

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. BEFORE AUDITIONING, students should have at least two years of dance experience and the knowledge of various dance techniques. (CSU, UC, AVC) (R3#) #Enrollment in any combination of DA 107A, DA 107B or DA 107C is limited to 4 times.

Dance Ensemble

DA108:

3.0 Units

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. BEFORE AUDITIONING, students should have at least two years of dance experience and the knowledge of various dance techniques. (UC, CSU, AVC) (R3) (GE: CSU Area E)

Choreography

DA111:

3.0 Units

Advisory: Completion of DA 102, DA 103, DA 104, 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) (GE: CSU Area E)

World Dance-Ethnic Forms

DA113:

1.0 Units

An introduction to dance as cultural and social expression in a variety of cultures including Africa, Bali, Java, India, Hawaii, Spain, Russia and Japan. Through the practice of ethnic dance forms, students will gain an understanding of how dance relates to different cultures. (UC, CSU, AVC) (GE: AVC Area E)

Dance Repertory

DA115:

1.0 Units

Advisory: Knowledge and experience in the various genres of dance. 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. BEFORE ENROLLING, students should have at least two years of previous dance experience. (UC, CSU, AVC) (R3) (GE: AVC Area E)

Dance Improvisation

DA116:

1.0 Units

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. BEFORE ENROLLING, students should have at least one year of dance experience. (UC, CSU, AVC) (R3) (GE: AVC Area E)

Int Ballet

DA122:

1.0 Units

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#) (GE: AVC Area E) # Enrollment in any combination of DA 102 or DA 122 is limited to 4 times.

Int Modern Dance

DA123:

1.0 Units

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#) (GE: AVC Area E) # Enrollment in any combination of DA 103, DA 123 or DA 203 is limited to 4 times.

Int Jazz Dance

DA124:

1.0 Units

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#) (GE: AVC Area E) # Enrollment in any combination of DA 124 or DA 204 is limited to 4 times.

Int Tap Dance

DA125:

1.0 Units

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. It includes the study of terminology, tap dance history, and tap dance styles. Compositional forms and rhythms are practiced leading to an understanding and appreciation of tap as an artistic dance form. BEFORE ENROLLING, students should have at least one year of tap dance, and/or completion of DA 105. (UC, CSU, AVC) (GE: AVC Area E)

Work Experience

DA199:

4.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Advanced Ballet

DA202:

1.0 Units

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. (CSU, UC, AVC)

Adv Modern Dance

DA203:

1.0 Units

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#) (GE: AVC Area E) # Enrollment in any combination of DA 103, DA 123 or DA 203 is limited to 4 times.

Adv Jazz Dance

DA204:

1.0 Units

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. At least two years of previous jazz dance training and/or completion of DA 124 is advised. (UC, CSU, AVC) (R3#) (GE: AVC Area E) # Enrollment in any combination of DA 124 or DA 204 is limited to 4 times.

Advanced Tap Dance

DA205:

1.0 Units

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. BEFORE ENROLLING, students should have the strength, coordination, and rhythmic ability to execute the technical skills necessary for intermediate tap dance steps. Students should have at least two years of tap dance experience, and/or completion of DA 125. (UC, CSU, AVC) (GE: AVC Area E)

Deaf Studies

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.

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: ASL Cert (Total 38)

Complete all of the following

Required Courses (Total 31)

Complete all of the following

- DFST101 - American Sign Language I 4
- DFST102 - American Sign Language II 4
- DFST105 - Introduction to American Deaf Culture 3
- DFST110 - Power, Privilege, and Oppression 3
- DFST201 - American Sign Language III 4
- DFST202 - American Sign Language IV 4
- DFST204 - Structure of American Sign Language 3
- INT101 - Principles of Sign Language Interpreting 3
- INT201 - Translation 3

Program Electives (Total 7)

Complete the following number of credits: 7

- DFST101L - American Sign Language I Skill Building Lab 1
- DFST102L - American Sign Language II Skill Building Lab 1
- DFST106 - Introduction to Deaf Education 3
- DFST108 - Visual, Gestural & Non-Manual Aspects of American Sign Language 3
- DFST201L - American Sign Language III/IV Skill Building Lab 1
- DFST205 - Numbers Fingerspelling and Classifiers 3
- DFST206 - Creative Signing 2
- DFST199 - Work Experience 1 - 8
- INT210 - Ethics, Decision-Making, & Professionalism for Interpreters 3

Recommended Pathway

Deaf Studies: American Sign Language Cert

Term 1	Credits
Required Courses DFST101 - American Sign Language I	4.0
Program Electives DFST101L - American Sign Language I Skill Building Lab	1.0
Required Courses DFST110 - Power, Privilege, and Oppression	3.0
Total Credits	8.0
Term 2	Credits
Required Courses DFST102 - American Sign Language II	4.0
Program Electives DFST102L - American Sign Language II Skill Building Lab	1.0
Required Courses DFST105 - Introduction to American Deaf Culture	3.0
Total Credits	8.0
Term 3	Credits
Required Courses DFST201 - American Sign Language III	4.0
Required Courses INT201 - Translation	3.0
Required Courses INT101 - Principles of Sign Language Interpreting	3.0
Program Electives DFST206 - Creative Signing	2.0
Total Credits	12.0
Term 4	Credits
Required Courses DFST202 - American Sign Language IV	4.0
Required Courses DFST204 - Structure of American Sign Language	3.0
Program Electives INT210 - Ethics, Decision-Making, & Professionalism for Interpreters	3.0
Total Credits	10.0

Program Outcomes

Deaf Studies: ASL Cert

Demonstrate good citizenship and teamwork through respect, tolerance, cultural awareness and the role of diversity in the modern Deaf community.

Identify career opportunities available to persons that sign.

Qualify to enter into AVC's DFST -Interpreter Training Program.

Deaf Studies: American Sign Language AA

The requirements for an Associate degree in American Sign Language may be satisfied by completing 31 units of required courses, selecting an additional 7 units from the program electives, 22 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 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

AA Deaf Studies: ASL (Total 38)

Complete all of the following

Required Courses (Total 31)

Complete the following number of credits: 31

- DFST101 - American Sign Language I 4
- DFST102 - American Sign Language II 4
- DFST105 - Introduction to American Deaf Culture 3
- DFST110 - Power, Privilege, and Oppression 3
- DFST201 - American Sign Language III 4
- DFST202 - American Sign Language IV 4
- DFST204 - Structure of American Sign Language 3
- INT101 - Principles of Sign Language Interpreting 3
- INT201 - Translation 3

Program Electives (Total 7)

Complete the following number of credits: 7

- DFST101L - American Sign Language I Skill Building Lab 1
- DFST102L - American Sign Language II Skill Building Lab 1
- DFST106 - Introduction to Deaf Education 3
- DFST108 - Visual, Gestural & Non-Manual Aspects of American Sign Language 3
- DFST201L - American Sign Language III/IV Skill Building Lab 1
- DFST205 - Numbers Fingerspelling and Classifiers 3
- DFST206 - Creative Signing 2
- DFST199 - Work Experience 8
- INT210 - Ethics, Decision-Making, & Professionalism for Interpreters 3

Recommended Pathway

AA Deaf Studies: ASL

Term 1	Credits
Required Courses DFST101 - American Sign Language I	4.0

Program Electives DFST101L - American Sign Language I Skill Building Lab 1.0

Required Courses DFST110 - Power, Privilege, and Oppression 3.0

Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition 3.0

Area D2 - Language & Rationality - Academic Composition MATH110 - Mathematics for Liberal Arts Students 3.0

Total Credits 14.0

Term 2 Credits

Required Courses DFST102 - American Sign Language II 4.0

Program Electives DFST102L - American Sign Language II Skill Building Lab 1.0

Required Courses DFST105 - Introduction to American Deaf Culture 3.0

Area A -Natural Sciences Take one of the following:

ANTH101 - Introduction to Biological Anthropology 3.0

BIOL101 - General Biology 3.0

Area A -Natural Sciences Take one of the following:

ANTH101L - Biological Anthropology Lab 1.0

BIOL101L - General Biology Lab 1.0

Area F -Diversity Studies Take one of the following:

DFST105 - Introduction to American Deaf Culture 3.0

HIST111 - African-American History, 1877-Present 3.0

SOC110 - Ethnic Relations 3.0

SOC116 - Sociology of Gender and Sexuality 3.0

Total Credits 15.0

Term 3 Credits

Required Courses DFST201 - American Sign Language III 4.0

Required Courses INT201 - Translation 3.0

Required Courses INT101 - Principles of Sign Language Interpreting 3.0

Program Electives DFST206 - Creative Signing 2.0

Area B - Social & Behavioral Sciences Take one of the following:

ANTH102 - Introduction to Cultural Anthropology 3.0

HIST110 - African-American History, 1450-1877 3.0

HIST111 - African-American History, 1877-Present 3.0

HIST113 - Women in American History 3.0

Total Credits 15.0

Term 4 Credits

Required Courses DFST202 - American Sign Language IV 4.0

Required Courses DFST204 - Structure of American Sign Language	3.0
Program Electives INT210 - Ethics, Decision-Making, & Professionalism for Interpreters	3.0
Area C - Humanities Take one of the following:	
THA110 - Fundamentals of Acting	3.0
THA130 - Improvisation	3.0
Area E -Additional Breadth Take one of the following:	
DFST105 - Introduction to American Deaf Culture	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
Total Credits	16.0

Program Outcomes

AA Deaf Studies: ASL

Demonstrate good citizenship and teamwork through respect, tolerance, cultural awareness and the role of diversity in the modern Deaf community.

Identify career opportunities available to persons that sign.

Qualify to enter into AVC's DFST -Interpreter Training Program.

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.

Program Requirements

Deaf Studies: Interp Trng Cert (Total 39)

Complete all of the following

Required Courses (Total 33)

Complete all of the following

- DFST110 - Power, Privilege, and Oppression 3
- DFST201 - American Sign Language III 4
- DFST202 - American Sign Language IV 4
- INT101 - Principles of Sign Language Interpreting 3
- INT201 - Translation 3
- INT202 - Interpreting I 3
- INT203 - Interpreting II 3
- INT206 - Interpreting III 4
- INT210 - Ethics, Decision-Making, & Professionalism for Interpreters 3
- DFST204 - Structure of American Sign Language 3

Program Electives (Total 6)

Complete the following number of credits: 6

- DFST105 - Introduction to American Deaf Culture 3
- DFST205 - Numbers Fingerspelling and Classifiers 3
- INT205 - Interpreting in Specialized Settings 3
- INT199 - Work Experience 1 - 8

Recommended Pathway

Term 1	Credits
Required Courses INT101 - Principles of Sign Language Interpreting	3.0
Required Courses DFST201 - American Sign Language III	4.0
Required Courses INT201 - Translation	3.0
Total Credits	10.0
Term 2	Credits
Required Courses DFST202 - American Sign Language IV	4.0
Required Courses INT202 - Interpreting I	3.0
Program Electives DFST105 - Introduction to American Deaf Culture	3.0
Total Credits	10.0
Term 3	Credits
Required Courses DFST110 - Power, Privilege, and Oppression	3.0
Required Courses INT203 - Interpreting II	3.0
Required Courses DFST204 - Structure of American Sign Language	3.0
Total Credits	9.0
Term 4	Credits
Required Courses INT210 - Ethics, Decision-Making, & Professionalism for Interpreters	3.0
Required Courses INT206 - Interpreting III	4.0
Program Electives DFST205 - Numbers Fingerspelling and Classifiers	3.0
Total Credits	10.0

Program Outcomes

Deaf Studies: Interpreting Training Cert

Demonstrate good citizenship and teamwork through respect, tolerance, cultural awareness and the role of diversity in the modern Deaf community.

Identify career opportunities available to persons that sign and/or interpret.

Demonstrate interpreting skills that lead a graduate into the profession of Sign Language Interpreting.

Deaf Studies: Interpreter Training AA

The requirements for an Associate degree in Interpreter Training may be satisfied by completing 33 units of required courses, selecting an additional 6 units from the 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 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

AA Deaf Studies: Interp Trng (Total 39)

Complete all of the following

Required Courses (Total 33)

Complete all of the following

- DFST110 - Power, Privilege, and Oppression 3
- DFST201 - American Sign Language III 4
- DFST202 - American Sign Language IV 4
- INT101 - Principles of Sign Language Interpreting 3
- INT201 - Translation 3
- INT202 - Interpreting I 3
- INT203 - Interpreting II 3
- INT206 - Interpreting III 4
- INT210 - Ethics, Decision-Making, & Professionalism for Interpreters 3
- DFST204 - Structure of American Sign Language 3

Program Electives (Total 6)

Complete the following number of credits: 6

- DFST105 - Introduction to American Deaf Culture 3
- DFST205 - Numbers Fingerspelling and Classifiers 3
- INT205 - Interpreting in Specialized Settings 3
- INT199 - Work Experience 1 - 8

Recommended Pathway

Deaf Studies: Interpreter Training AA

Term 1	Credits
Required Courses INT101 - Principles of Sign Language Interpreting	3.0
Required Courses DFST201 - American Sign Language III	4.0
Required Courses INT201 - Translation	3.0
Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition	3.0
Area D2 - Language & Rationality - Academic Composition MATH110 - Mathematics for Liberal Arts Students	3.0
Total Credits	16.0
Term 2	Credits
Required Courses DFST202 - American Sign Language IV	4.0
Required Courses INT202 - Interpreting I	3.0
Program Electives DFST105 - Introduction to American Deaf Culture	3.0
Area A - Natural Sciences Take one of the following:	

ANTH101 - Introduction to Biological Anthropology	3.0
BIOL101 - General Biology	3.0

Area F -Diversity Studies Take one of the following:

DFST105 - Introduction to American Deaf Culture	3.0
HIST111 - African-American History, 1877-Present	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0

Total Credits 16.0

Term 3 Credits

Required Courses DFST110 - Power, Privilege, and Oppression 3.0

Required Courses INT203 - Interpreting II 3.0

Required Courses DFST204 - Structure of American Sign Language 3.0

Area B - Social & Behavioral Sciences

Take one of the following:

ANTH102 - Introduction to Cultural Anthropology	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0

Area C - Humanities Take one of the following:

THA110 - Fundamentals of Acting	3.0
THA130 - Improvisation	3.0

Total Credits 15.0

Term 4 Credits

Required Courses INT210 - Ethics, Decision-Making, & Professionalism for Interpreters 3.0

Required Courses INT206 - Interpreting III 4.0

Program Electives INT205 - Interpreting in Specialized Settings 3.0

Area E -Additional Breadth

Take one of the following:

DFST105 - Introduction to American Deaf Culture	3.0
SOC116 - Sociology of Gender and Sexuality	3.0

Total Credits 13.0

Program Outcomes

AA Deaf Studies: Interp Trng

Demonstrate good citizenship and teamwork through respect, tolerance, cultural awareness and the role of diversity in the modern Deaf community.

Identify career opportunities available to persons that sign and/or interpret.

Demonstrate interpreting skills that lead a graduate into the profession of Sign Language Interpreting.

Deaf Studies Courses

American Sign Language I

DFST101:

4.0 Units

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) (GE: CSU Area C2, AVC Area C)

American Sign Language I Skill Building Lab

DFST101L:

1.0 Units

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)

American Sign Language II

DFST102:

4.0 Units

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) (GE: IGETC Area 6A, CSU Area C2, AVC Area C)

American Sign Language II Skill Building Lab

DFST102L:

1.0 Units

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)

Introduction to American Deaf Culture

DFST105:

3.0 Units

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) (GE: IGETC Area 4, CSU Area D, AVC Area B, C, E, F)

Introduction to Deaf Education

DFST106:

3.0 Units

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) (GE: IGETC Area 4, CSU Area D, AVC Area C, F)

Visual, Gestural & Non-Manual Aspects of American Sign Language

DFST108:

3.0 Units

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)

Power, Privilege, and Oppression

DFST110:

3.0 Units

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) (GE: CSU Area D)

Work Experience

DFST199:

1.0 - 8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

American Sign Language III

DFST201:

4.0 Units

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) (GE: IGETC Area 6A, CSU Area C2, AVC Area C)

American Sign Language III/IV Skill Building Lab

DFST201L:

1.0 Units

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)

American Sign Language IV

DFST202:

4.0 Units

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) (GE: IGETC Area 6A, CSU Area C2, AVC Area C)

Structure of American Sign Language

DFST204:

3.0 Units

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)

Numbers Fingerspelling and Classifiers

DFST205:

3.0 Units

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)

Creative Signing

DFST206:

2.0 Units

Prerequisite: Completion of DFST 102. Corequisite: 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

Principles of Sign Language

Interpreting

INT101:

3.0 Units

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)

Work Experience

INT199:

1.0 - 8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Translation

INT201:

3.0 Units

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)

Interpreting I

INT202:

3.0 Units

Advisory: Completion of or concurrent enrollment in INT 101, 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)

Interpreting II

INT203:

3.0 Units

Advisory: Completion of or concurrent enrollment in 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)

Sign/English Transliteration

INT204:

3.0 Units

Prerequisite: Completion of DFST 202 and INT 202. Advisory: Completion of or concurrent enrollment in COMM 101 and THA 110. 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)

Interpreting in Specialized Settings

INT205:

3.0 Units

Advisory: Completion of or concurrent enrollment in 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)

Interpreting III

INT206:

4.0 Units

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)

Ethics, Decision-Making, & Professionalism for Interpreters

INT210:

3.0 Units

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)

Digital Media

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.

Computer Animation Cert

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 Cert (Total 30)

Complete all of the following

Required Courses (Total 21)

Complete the following number of credits: 21

- ART110 - Drawing 3
- DM113 - Photoshop I 3
- DM143 - Computer 2-D Animation 3
- DM145 - Computer 3-D Animation 3
- DM205 - Digital Illustration 3
- DM246 - Portfolio and Job Search 3
- DM298 - Special Studies Digital Media 3

Program Electives (Total 9)

Complete the following number of credits: 9

- DM101 - Digital Media Arts 3
- DM103 - Graphic Design I 3
- DM106 - Video Design & Production I 3
- DM110 - Motion Graphics 3
- DM112 - Experimental Video Production 3
- DM115 - Graphic Communications I 3
- DM127 - Web Design and Production I 3
- DM128 - Web Design and Production II 3
- DM206 - Video Design and Production II 3
- DM213 - Photoshop II 3
- WE199 - Occupational Work Experience 1

Recommended Pathway Computer Animation Cert

First Semester Credits

Required Courses ART110 - Drawing 3.0

Program Electives DM101 - Digital Media Arts 3.0

Total Credits 6.0

Second Semester Credits

Required Courses DM113 - Photoshop I 3.0

Required Courses DM205 - Digital Illustration 3.0

Program Electives Take one of the following:

DM101 - Digital Media Arts 3.0

DM103 - Graphic Design I 3.0

DM106 - Video Design & Production I 3.0

DM110 - Motion Graphics 3.0

DM112 - Experimental Video Production 3.0

DM115 - Graphic Communications I 3.0

DM127 - Web Design and Production I 3.0

DM128 - Web Design and Production II 3.0

DM206 - Video Design and Production II 3.0

DM213 - Photoshop II 3.0

WE199 - Occupational Work Experience 1.0

Required Courses DM143 - Computer 2-D Animation 3.0

Total Credits 10.0 - 12.0

Third Semester Credits

Required Courses DM246 - Portfolio and Job Search 3.0

Program Electives Take one of the following:

DM101 - Digital Media Arts 3.0

DM103 - Graphic Design I 3.0

DM106 - Video Design & Production I 3.0

DM110 - Motion Graphics 3.0

DM112 - Experimental Video Production 3.0

DM115 - Graphic Communications I 3.0

DM127 - Web Design and Production I 3.0

DM128 - Web Design and Production II 3.0

DM206 - Video Design and Production II 3.0

DM213 - Photoshop II 3.0

Required Courses DM298 - Special Studies Digital Media 3.0

Required Courses DM145 - Computer 3-D Animation 3.0

Total Credits 12.0

Program Outcomes

Computer Animation Cert

Create a body of work that demonstrates successful animations including image development, key framing, motion, scripting, and story boarding.

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

Required Courses (Total 21)

Complete the following number of credits: 21

ART110 - Drawing 3
DM113 - Photoshop I 3
DM143 - Computer 2-D Animation 3
DM145 - Computer 3-D Animation 3
DM205 - Digital Illustration 3
DM246 - Portfolio and Job Search 3
DM298 - Special Studies Digital Media 3

Program Electives (Total 9)

Complete the following number of credits: 9

DM101 - Digital Media Arts 3
DM103 - Graphic Design I 3
DM106 - Video Design & Production I 3
DM110 - Motion Graphics 3
DM112 - Experimental Video Production 3
DM115 - Graphic Communications I 3
DM127 - Web Design and Production I 3
DM128 - Web Design and Production II 3
DM206 - Video Design and Production II 3
DM213 - Photoshop II 3
WE199 - Occupational Work Experience 1

Recommended Pathway

Computer Animation AA

Semester 1	Credits
Required Courses ART110 - Drawing	3.0
Program Electives DM101 - Digital Media Arts	3.0
Area E -Additional Breadth HD101 - College and Life Management	3.0
Area D2 - Language & Rationality - Academic Composition COMM101 - Introduction to Public Speaking	3.0

Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition	3.0
Total Credits	15.0
Semester 2	Credits
Area C - Humanities ART101 - History of Art, Prehistoric to Gothic	3.0
Required Courses DM113 - Photoshop I	3.0
Area B - Social & Behavioral Sciences BUS101 - Introduction to Business	3.0
Required Courses DM143 - Computer 2-D Animation	3.0
Elective Take one of the following:	
ART101 - History of Art, Prehistoric to Gothic	3.0
FTV107 - History of Film, Pre 1950	3.0
MUS101 - Music Appreciation	3.0
PHOT107 - History of Photography	3.0
THA111 - Theatre History I	3.0
KINF107 - Beginning Weight Lifting	1.0
KINF108 - Intermediate Weight Lifting	1.0
General Elective	1.0
General Elective	2.0
General Elective	3.0
Total Credits	13.0 - 15.0
Semester 3	Credits
Required Courses DM205 - Digital Illustration	3.0
Area F -Diversity Studies Take one of the following:	
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH112 - Native North Americans	3.0
BUS212 - Women in Organizations	3.0
CFE116 - Diversity in Early Childhood Education	3.0
COMM114 - Art of Storytelling	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
DFST106 - Introduction to Deaf Education	3.0
ECON110 - Economics of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0

HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Program Electives DM213 - Photoshop II	3.0
Required Courses DM145 - Computer 3-D Animation	3.0
Elective General Elective	3.0
Total Credits	15.0
Semester 4	Credits
Program Electives DM106 - Video Design & Production I	3.0
Area A - Natural Sciences ANTH101 - Introduction to Biological Anthropology	3.0
Required Courses DM246 - Portfolio and Job Search	3.0
Required Courses DM298 - Special Studies Digital Media	3.0
Elective Take one of the following:	
ART101 - History of Art, Prehistoric to Gothic	3.0
FTV107 - History of Film, Pre 1950	3.0
MUS101 - Music Appreciation	3.0
PHOT107 - History of Photography	3.0
THA111 - Theatre History I	3.0
KINF107 - Beginning Weight Lifting	1.0
KINF108 - Intermediate Weight Lifting	1.0
General Elective	1.0
General Elective	2.0
General Elective	3.0
Total Credits	13.0 - 15.0

Program Outcomes

AA Computer Animation

Create a body of work that demonstrates successful animations including image development, keyframing, motion, scripting, and story boarding.

Digital Photographic Imaging Cert

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

Digital Photo Imaging Cert (Total 24)

Complete all of the following

Required Courses (Total 18)

Complete the following number of credits: 18

- DM113 - Photoshop I 3
- DM115 - Graphic Communications I 3
- DM101 - Digital Media Arts 3
- DM213 - Photoshop II 3
- DM246 - Portfolio and Job Search 3
- PHTC125 - Beginning Digital Photography 3

Program Electives (Total 6)

Complete the following number of credits: 6

- DM103 - Graphic Design I 3
- DM106 - Video Design & Production I 3
- DM133 - Digital Printing I 3
- DM110 - Motion Graphics 3
- DM112 - Experimental Video Production 3
- DM127 - Web Design and Production I 3
- DM128 - Web Design and Production II 3
- DM143 - Computer 2-D Animation 3
- DM145 - Computer 3-D Animation 3
- DM203 - Graphic Design II 3
- DM205 - Digital Illustration 3
- DM206 - Video Design and Production II 3
- DM215 - Graphic Communications II 3
- DM233 - Digital Printing II 3
- DM298 - Special Studies Digital Media 3
- PHTC275 - Advanced Digital Photography 3
- WE199 - Occupational Work Experience 1

Recommended Pathway

Digital Photo Imaging Cert

First Semester

Required Courses PHTC125 - Beginning Digital Photography	3.0
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Required Courses DM101 - Digital Media Arts	3.0
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Total Credits	6.0
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Second Semester

Required Courses DM113 - Photoshop I	3.0
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Required Courses DM115 - Graphic Communications I	3.0
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Program Electives DM103 - Graphic Design I	3.0
Total Credits	9.0
Third Semester	Credits
Required Courses DM213 - Photoshop II	3.0
Required Courses DM246 - Portfolio and Job Search	3.0
Program Electives DM215 - Graphic Communications II	3.0
Total Credits	9.0

Program Outcomes

Digital Photo Imaging Cert

Understand and apply proper industry standards to digital photographic imaging jobs.

Recognize and apply an understanding of current Digital Photographic Imaging design and production for a variety of target audiences.

Digital Photographic Imaging

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

Required Courses (Total 24)

Complete all of the following

- DM101 - Digital Media Arts 3
- DM113 - Photoshop I 3
- DM115 - Graphic Communications I 3
- DM213 - Photoshop II 3
- DM246 - Portfolio and Job Search 3
- PHTC125 - Beginning Digital Photography 3

Program Electives (Total 6)

Complete the following number of credits: 6

- DM103 - Graphic Design I 3
- DM106 - Video Design & Production I 3
- DM133 - Digital Printing I 3
- DM110 - Motion Graphics 3
- DM112 - Experimental Video Production 3
- DM127 - Web Design and Production I 3
- DM128 - Web Design and Production II 3
- DM143 - Computer 2-D Animation 3
- DM145 - Computer 3-D Animation 3
- DM203 - Graphic Design II 3
- DM205 - Digital Illustration 3
- DM206 - Video Design and Production II 3
- DM215 - Graphic Communications II 3

- DM233 - Digital Printing II 3
- DM298 - Special Studies Digital Media 3
- PHTC275 - Advanced Digital Photography 3
- WE199 - Occupational Work Experience 1

Recommended Pathway

Digital Photographic Imaging

Term 1	Credits
Required Courses DM101 - Digital Media Arts	3.0
Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition	3.0
Area E -Additional Breadth HD101 - College and Life Management	3.0
Required Courses PHTC125 - Beginning Digital Photography	3.0
Area C - Humanities ART110 - Drawing	3.0
Total Credits	15.0
Term 2	Credits
Required Courses DM113 - Photoshop I	3.0
Required Courses DM115 - Graphic Communications I	3.0
Program Electives DM103 - Graphic Design I	3.0
Area D2 - Language & Rationality - Academic Composition COMM101 - Introduction to Public Speaking	3.0
Elective General Elective	3.0
Total Credits	15.0
Term 3	Credits
Area B - Social & Behavioral Sciences	
BUS101 - Introduction to Business	3.0
Program Electives DM215 - Graphic Communications II	3.0
Required Courses DM213 - Photoshop II	3.0
Elective General Elective	3.0
Elective General Elective	3.0
Total Credits	15.0
Term 4	Credits
Area A - Natural Sciences ANTH101 - Introduction to Biological Anthropology	3.0
Required Courses DM246 - Portfolio and Job Search	3.0
Area F -Diversity Studies Take one of the following:	
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH112 - Native North Americans	3.0
BUS212 - Women in Organizations	3.0
CFE116 - Diversity in Early Childhood Education	3.0
COMM114 - Art of Storytelling	3.0

COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
DFST106 - Introduction to Deaf Education	3.0
ECON110 - Economics of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Elective General Elective	3.0
Elective General Elective	3.0
Total Credits	15.0

Program Outcomes

PLOs:

Create a body of work that demonstrates successful animations including image development, keyframing, motion, scripting, and story boarding.

Digital Printing Cert

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

Digital Printing Cert (Total 24)

Complete all of the following Required Courses (Total 18)

Complete all of the following

DM103 - Graphic Design I 3

DM113 - Photoshop I 3

DM115 - Graphic Communications I 3

DM133 - Digital Printing I 3

DM233 - Digital Printing II 3

DM246 - Portfolio and Job Search 3

Program Electives (Total 6)

Complete the following number of credits: 6

DM101 - Digital Media Arts 3

DM106 - Video Design & Production I 3

DM110 - Motion Graphics 3

DM112 - Experimental Video Production 3

DM127 - Web Design and Production I 3

DM128 - Web Design and Production II 3

DM143 - Computer 2-D Animation 3

DM145 - Computer 3-D Animation 3

DM203 - Graphic Design II 3

DM205 - Digital Illustration 3

DM206 - Video Design and Production II 3

DM213 - Photoshop II 3

DM215 - Graphic Communications II 3

DM298 - Special Studies Digital Media 3

WE199 - Occupational Work Experience 1

Recommended Pathway

Digital Printing Cert

First Semester

Credits

Program Electives DM101 - Digital Media Arts 3.0

Total Credits 3.0

Second Semester

Credits

Required Courses DM133 - Digital Printing I 3.0

Required Courses DM115 - Graphic Communications I 3.0

Required Courses DM113 - Photoshop I 3.0

Total Credits 9.0

Third Semester

Credits

Required Courses DM103 - Graphic Design I 3.0

Program Electives Take one of the following:

DM101 - Digital Media Arts 3.0

DM106 - Video Design & Production I 3.0

DM110 - Motion Graphics 3.0

DM112 - Experimental Video Production 3.0

DM127 - Web Design and Production I 3.0

DM128 - Web Design and Production II 3.0

DM143 - Computer 2-D Animation 3.0

DM145 - Computer 3-D Animation	3.0
DM203 - Graphic Design II	3.0
DM205 - Digital Illustration	3.0
DM206 - Video Design and Production II	3.0
DM213 - Photoshop II	3.0
DM215 - Graphic Communications II	3.0
DM298 - Special Studies Digital Media	3.0
WE199 - Occupational Work Experience	1.0
Required Courses DM246 - Portfolio and Job Search	3.0
Required Courses DM233 - Digital Printing II	3.0
Total Credits	10.0 - 12.0

Program Outcomes

Digital Printing Cert

Understand and apply proper industry standards to digital printing jobs.

Recognize and apply an understanding of current digital printing production and delivery systems.

Digital Printing

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

Digital Printing AA (Total 24)

Complete all of the following

Required Courses (Total 18)

Complete all of the following

- DM103 - Graphic Design I 3
- DM113 - Photoshop I 3
- DM115 - Graphic Communications I 3
- DM133 - Digital Printing I 3
- DM233 - Digital Printing II 3
- DM246 - Portfolio and Job Search 3

Program Electives (Total 6)

Complete the following number of credits: 6

- DM101 - Digital Media Arts 3
- DM106 - Video Design & Production I 3
- DM110 - Motion Graphics 3
- DM112 - Experimental Video Production 3
- DM127 - Web Design and Production I 3
- DM128 - Web Design and Production II 3
- DM143 - Computer 2-D Animation 3
- DM145 - Computer 3-D Animation 3

- DM203 - Graphic Design II 3
- DM205 - Digital Illustration 3
- DM206 - Video Design and Production II 3
- DM213 - Photoshop II 3
- DM215 - Graphic Communications II 3
- DM298 - Special Studies Digital Media 3
- WE199 - Occupational Work Experience 1

Recommended Pathway

Term 1 Credits

Program Electives DM101 - Digital Media Arts 3.0

Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition 3.0

Area E -Additional Breadth HD101 - College and Life Management 3.0

Area C - Humanities ART110 - Drawing 3.0

Elective General Elective 3.0

Total Credits 15.0

Term 2 Credits

Required Courses DM113 - Photoshop I 3.0

Required Courses DM115 - Graphic Communications I 3.0

Required Courses DM133 - Digital Printing I 3.0

Area D2 - Language & Rationality - Academic Composition COMM101 - Introduction to Public Speaking 3.0

Elective General Elective 3.0

Total Credits 15.0

Term 3 Credits

Required Courses DM233 - Digital Printing II 3.0

Required Courses DM103 - Graphic Design I 3.0

Area B - Social & Behavioral Sciences BUS101 - Introduction to Business 3.0

Program Electives DM205 - Digital Illustration 3.0

Elective General Elective 3.0

Total Credits 15.0

Term 4 Credits

Area A - Natural Sciences ANTH101 - Introduction to Biological Anthropology 3.0

Required Courses DM246 - Portfolio and Job Search 3.0

Area F - Diversity Studies Take one of the following:

ANTH102 - Introduction to Cultural Anthropology 3.0

ANTH112 - Native North Americans 3.0

BUS212 - Women in Organizations 3.0

CFE116 - Diversity in Early Childhood Education	3.0
COMM114 - Art of Storytelling	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
DFST106 - Introduction to Deaf Education	3.0
ECON110 - Economics of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Elective General Elective	3.0
Elective General Elective	3.0
Total Credits	15.0

Program Outcomes

Digital Printing AA

Understand and apply proper industry standards to digital printing jobs.

Recognize and apply an understanding of current digital printing production and delivery systems.

Graphic Design Cert

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

Graphic Design Cert (Total 27)

Complete all of the following

Program Courses (Total 18)

Complete the following number of credits: 18

DM103 - Graphic Design I 3

DM203 - Graphic Design II 3

DM113 - Photoshop I 3

DM115 - Graphic Communications I 3

DM205 - Digital Illustration 3

DM246 - Portfolio and Job Search 3

Program Electives (Total 9)

Complete the following number of credits: 9

DM101 - Digital Media Arts 3

DM106 - Video Design & Production I 3

DM110 - Motion Graphics 3

DM112 - Experimental Video Production 3

DM127 - Web Design and Production I 3

DM128 - Web Design and Production II 3

DM133 - Digital Printing I 3

DM143 - Computer 2-D Animation 3

DM206 - Video Design and Production II 3

DM145 - Computer 3-D Animation 3

DM213 - Photoshop II 3

DM215 - Graphic Communications II 3

DM233 - Digital Printing II 3

DM298 - Special Studies Digital Media 3

WE199 - Occupational Work Experience 1

Recommended Pathway

Graphic Design Cert

Semester 1

Credits

Program Electives DM101 - Digital Media Arts 3.0

Program Courses DM113 - Photoshop I 3.0

Total Credits 6.0

Semester 2

Credits

Program Courses DM115 - Graphic Communications I 3.0

Program Courses DM103 - Graphic Design I 3.0

Program Courses DM205 - Digital Illustration 3.0

Total Credits 9.0

Semester 3

Credits

Program Courses DM203 - Graphic Design II 3.0

Program Courses DM246 - Portfolio and Job Search	3.0
Program Electives Take one of the following:	
DM101 - Digital Media Arts	3.0
DM106 - Video Design & Production I	3.0
DM110 - Motion Graphics	3.0
DM112 - Experimental Video Production	3.0
DM127 - Web Design and Production I	3.0
DM128 - Web Design and Production II	3.0
DM133 - Digital Printing I	3.0
DM143 - Computer 2-D Animation	3.0
DM206 - Video Design and Production II	3.0
DM145 - Computer 3-D Animation	3.0
DM213 - Photoshop II	3.0
DM215 - Graphic Communications II	3.0
DM233 - Digital Printing II	3.0
DM298 - Special Studies Digital Media	3.0
WE199 - Occupational Work Experience	1.0
Program Electives Take one of the following:	
DM101 - Digital Media Arts	3.0
DM106 - Video Design & Production I	3.0
DM110 - Motion Graphics	3.0
DM112 - Experimental Video Production	3.0
DM127 - Web Design and Production I	3.0
DM128 - Web Design and Production II	3.0
DM133 - Digital Printing I	3.0
DM143 - Computer 2-D Animation	3.0
DM206 - Video Design and Production II	3.0
DM145 - Computer 3-D Animation	3.0
DM213 - Photoshop II	3.0
DM215 - Graphic Communications II	3.0
DM233 - Digital Printing II	3.0
DM298 - Special Studies Digital Media	3.0
WE199 - Occupational Work Experience	1.0
Total Credits	8.0 - 12.0

Program Outcomes

Graphic Design Cert

Understand and apply proper industry standards to graphic design jobs.

Recognize and apply an understanding of current graphic design styles for a variety of target audiences.

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

Required Courses (Total 18)

Complete the following number of credits: 18

DM103 - Graphic Design I 3

DM203 - Graphic Design II 3

DM113 - Photoshop I 3

DM115 - Graphic Communications I 3

DM205 - Digital Illustration 3

DM246 - Portfolio and Job Search 3

Program Electives (Total 9)

Complete the following number of credits: 9

DM101 - Digital Media Arts 3

DM106 - Video Design & Production I 3

DM110 - Motion Graphics 3

DM112 - Experimental Video Production 3

DM127 - Web Design and Production I 3

DM128 - Web Design and Production II 3

DM133 - Digital Printing I 3

DM143 - Computer 2-D Animation 3

DM145 - Computer 3-D Animation 3

DM206 - Video Design and Production II 3

DM213 - Photoshop II 3

DM215 - Graphic Communications II 3

DM233 - Digital Printing II 3

DM298 - Special Studies Digital Media 3

WE199 - Occupational Work Experience 1

Recommended Pathway

Graphic Design AA

First Semester	Credits
Program Electives DM101 - Digital Media Arts	3.0
Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition	3.0
Area E -Additional Breadth HD101 - College and Life Management	3.0
Area C - Humanities ART110 - Drawing	3.0
Area D2 - Language & Rationality - Academic Composition COMM101 - Introduction to Public Speaking	3.0
Total Credits	15.0
Second Semester	Credits
Required Courses DM103 - Graphic Design I	3.0

Required Courses DM113 - Photoshop I	3.0	ENGL253 - African American Literature	3.0
Area B - Social & Behavioral Sciences		ENGL256 - Latinx Literature	3.0
BUS101 - Introduction to Business	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
Elective General Elective	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
Elective General Elective	3.0	FTV201 - Intercultural & Women's Film	3.0
Total Credits	15.0	FTV203 - African-American Cinema	3.0
Third Semester	Credits	HE201 - Women's Health Issues	3.0
Required Courses DM203 - Graphic Design II	3.0	HIST110 - African-American History, 1450-1877	3.0
Required Courses DM115 - Graphic Communications I	3.0	HIST111 - African-American History, 1877-Present	3.0
Program Electives Take one of the following:		HIST113 - Women in American History	3.0
DM101 - Digital Media Arts	3.0	MUSC107 - History of Women in Rock Music	3.0
DM106 - Video Design & Production I	3.0	MUSC108 - History of Hip Hop	3.0
DM110 - Motion Graphics	3.0	POLS202 - Ethnic Politics in America	3.0
DM112 - Experimental Video Production	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
DM127 - Web Design and Production I	3.0	SOC110 - Ethnic Relations	3.0
DM128 - Web Design and Production II	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
DM133 - Digital Printing I	3.0	THA239 - Intercultural and Women's Theatre	3.0
DM143 - Computer 2-D Animation	3.0	Elective General Elective	3.0
DM145 - Computer 3-D Animation	3.0	Total Credits	13.0 - 15.0
DM206 - Video Design and Production II	3.0	Fourth Semester	Credits
DM213 - Photoshop II	3.0	Required Courses DM205 - Digital Illustration	3.0
DM215 - Graphic Communications II	3.0	Required Courses DM246 - Portfolio and Job Search	3.0
DM233 - Digital Printing II	3.0	Program Electives Take one of the following:	
DM298 - Special Studies Digital Media	3.0	DM101 - Digital Media Arts	3.0
WE199 - Occupational Work Experience	1.0	DM106 - Video Design & Production I	3.0
Area F -Diversity Studies Take one of the following:		DM110 - Motion Graphics	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	DM112 - Experimental Video Production	3.0
ANTH112 - Native North Americans	3.0	DM127 - Web Design and Production I	3.0
BUS212 - Women in Organizations	3.0	DM128 - Web Design and Production II	3.0
CFE116 - Diversity in Early Childhood Education	3.0	DM133 - Digital Printing I	3.0
COMM114 - Art of Storytelling	3.0	DM143 - Computer 2-D Animation	3.0
COMM217 - Gender and Communication	3.0	DM145 - Computer 3-D Animation	3.0
COMM219 - Introduction to Intercultural Communication	3.0	DM206 - Video Design and Production II	3.0
DFST105 - Introduction to American Deaf Culture	3.0	DM213 - Photoshop II	3.0
DFST106 - Introduction to Deaf Education	3.0	DM215 - Graphic Communications II	3.0
ECON110 - Economics of the Underclass	3.0	DM233 - Digital Printing II	3.0

DM298 - Special Studies Digital Media	3.0
WE199 - Occupational Work Experience	1.0
Area A - Natural Sciences ANTH101 - Introduction to Biological Anthropology	3.0
Elective General Elective	3.0
Total Credits	13.0 - 15.0

Program Outcomes

AA Graphic Design

Understand and apply proper industry standards to graphic design jobs.

Recognize and apply an understanding of current graphic design styles for a variety of target audiences.

Interactive Media-Web Design Cert

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

Interact Media-Web Design Cert (Total 27)

Complete all of the following

Required Courses (Total 21)

Complete the following number of credits: 21

- DM101 - Digital Media Arts 3
- DM103 - Graphic Design I 3
- DM105 - Interactive Media 3
- DM113 - Photoshop I 3
- DM127 - Web Design and Production I 3
- DM128 - Web Design and Production II 3
- DM246 - Portfolio and Job Search 3

Program Electives (Total 6)

Complete the following number of credits: 6

- ART100 - Art Appreciation 3
- ART145 - 2-D Design Basics 3
- DM106 - Video Design & Production I 3
- DM110 - Motion Graphics 3
- DM115 - Graphic Communications I 3
- DM213 - Photoshop II 3
- DM298 - Special Studies Digital Media 3
- PHTC125 - Beginning Digital Photography 3
- WE199 - Occupational Work Experience 1

Recommended Pathway

Interact Media-Web Design Cert

Semester 1

Credits

Required Courses DM101 - Digital Media Arts	3.0
Program Electives ART100 - Art Appreciation	3.0
Program Electives PHTC125 - Beginning Digital Photography	3.0
Total Credits	9.0

Semester 2

Credits

Required Courses DM113 - Photoshop I	3.0
Required Courses DM103 - Graphic Design I	3.0
Required Courses DM127 - Web Design and Production I	3.0
Total Credits	9.0

Semester 3

Credits

Required Courses DM105 - Interactive Media	3.0
Required Courses DM128 - Web Design and Production II	3.0
Required Courses DM246 - Portfolio and Job Search	3.0
Total Credits	9.0

Program Outcomes

Interact Media-Web Design Cert

Create interactive content according to industry standard procedures for operations on the web.

Complete content linking all products to consistent with industry standards.

Interactive Media-Web Design 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

Interactive Media-Web Design AA (Total 27)

Complete all of the following

Required Courses (Total 21)

Complete the following number of credits: 21

- DM101 - Digital Media Arts 3
- DM103 - Graphic Design I 3
- DM105 - Interactive Media 3
- DM113 - Photoshop I 3

DM127 - Web Design and Production I 3
 DM128 - Web Design and Production II 3
 DM246 - Portfolio and Job Search 3
Program Electives (Total 6)
Complete the following number of credits: 6
 ART100 - Art Appreciation 3
 ART145 - 2-D Design Basics 3
 DM106 - Video Design & Production I 3
 DM110 - Motion Graphics 3
 DM115 - Graphic Communications I 3
 DM213 - Photoshop II 3
 DM298 - Special Studies Digital Media 3
 PHTC125 - Beginning Digital Photography 3
 WE199 - Occupational Work Experience 1

Recommended Pathway

Interactive Media-Web Design AA

Term 1	Credits
Required Courses DM101 - Digital Media Arts	3.0
Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition	3.0
Area E -Additional Breadth HD101 - College and Life Management	3.0
Area C - Humanities ART100 - Art Appreciation	3.0
Elective General Elective	3.0
Total Credits	15.0
Term 2	Credits
Required Courses DM103 - Graphic Design I	3.0
Required Courses DM105 - Interactive Media	3.0
Required Courses DM113 - Photoshop I	3.0
Area B - Social & Behavioral Sciences BUS101 - Introduction to Business	3.0
Area D2 - Language & Rationality - Academic Composition COMM101 - Introduction to Public Speaking	3.0
Total Credits	15.0
Term 3	Credits
Area F -Diversity Studies Take one of the following:	
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH112 - Native North Americans	3.0
BUS212 - Women in Organizations	3.0
CFE116 - Diversity in Early Childhood Education	3.0
COMM114 - Art of Storytelling	3.0
COMM217 - Gender and Communication	3.0

COMM219 - Introduction to Intercultural Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
DFST106 - Introduction to Deaf Education	3.0
ECON110 - Economics of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Required Courses DM127 - Web Design and Production I	3.0
Program Electives DM115 - Graphic Communications I	3.0
Area A - Natural Sciences ANTH101 - Introduction to Biological Anthropology	3.0
Elective General Elective	3.0
Total Credits	15.0
Term 4	Credits
Required Courses DM128 - Web Design and Production II	3.0
Required Courses DM246 - Portfolio and Job Search	3.0
Program Electives Take one of the following:	
ART100 - Art Appreciation	3.0
ART145 - 2-D Design Basics	3.0
DM106 - Video Design & Production I	3.0
DM110 - Motion Graphics	3.0
DM115 - Graphic Communications I	3.0
DM213 - Photoshop II	3.0

DM298 - Special Studies Digital Media	3.0
PHTC125 - Beginning Digital Photography	3.0
WE199 - Occupational Work Experience	1.0
Elective General Elective	3.0
Elective General Elective	3.0
Total Credits	13.0 - 15.0

Program Outcomes

AA Interactive Media-Web Design

Create interactive content according to industry standard procedures for operations on the web.

Complete content linking all products to consistent with industry standards.

Video Design & Production Cert.

This program is to prepare students for the world of Digital Media with an emphasis on Video Production. 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 & Production Cert. (Total 27)

Complete all of the following

Required Courses (Total 24)

Complete the following number of credits: 24

- DM101 - Digital Media Arts 3
- DM106 - Video Design & Production I 3
- DM110 - Motion Graphics 3
- DM112 - Experimental Video Production 3
- DM113 - Photoshop I 3
- DM206 - Video Design and Production II 3
- DM246 - Portfolio and Job Search 3
- DM298 - Special Studies Digital Media 3

Program Electives (Total 3)

Complete the following number of credits: 3

- ART100 - Art Appreciation 3
- ART110 - Drawing 3
- DM105 - Interactive Media 3
- DM115 - Graphic Communications I 3
- DM127 - Web Design and Production I 3
- FTV101 - Introduction to Film 3
- FTV121 - Beginning Motion Picture Production 4
- FTV215 - Directing for Film and Video 3
- FTV230 - Digital Cinematography 4
- PHTC125 - Beginning Digital Photography 3
- THA101 - Introduction to Theatre 3
- THA220 - Fundamentals of Directing 3
- WE199 - Occupational Work Experience 1

Recommended Pathway Video Design & Production Cert.

First Semester	Credits
Required Courses DM101 - Digital Media Arts	3.0
Program Electives ART110 - Drawing	3.0
Total Credits	6.0
Second Semester	Credits
Required Courses DM106 - Video Design & Production I	3.0
Required Courses DM113 - Photoshop I	3.0
Total Credits	6.0
Term 3	Credits
Required Courses DM110 - Motion Graphics	3.0
Required Courses DM112 - Experimental Video Production	3.0
Required Courses DM206 - Video Design and Production II	3.0
Required Courses DM246 - Portfolio and Job Search	3.0
Required Courses DM298 - Special Studies Digital Media	3.0
Total Credits	15.0

Program Outcomes

Video Design&Production Cert

Create interactive content according to industry standard procedures for operations on the web.

Complete content linking all products to consistent with industry standards.

Digital Media Arts

DM101:

3.0 Units

Instructional fee: Students may need to purchase a student Adobe creative suite software license This course is designed to provide students with an introductory overview of the professional digital media including print, illustration, typography, digital photography, and video/audio. The course will examine interactive media with an overview of the digital techniques such as animation, web design and video editing. 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. Students may need to purchase a student Adobe creative suite software license . (CSU, AVC)

Graphic Design I

DM103:

3.0 Units

Prerequisite: Completion of DM 101. Instructional Fee: Students may need to purchase a Student Adobe Creative Suite Software License. This course is an introduction to graphic design and production for the digital media arts industry. Students will learn to create visual designs for a variety of media such as television, web, 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, and television graphics. Focus will be on developing entry-level skills for creating contemporary visual design solutions to typical industry projects. (CSU, AVC)

Interactive Media

DM105:

3.0 Units

Prerequisite: Completion of DM 101. Instructional materials fee required for this course and must be paid at registration. Introduction to design and production methods using industry software for interactive media such as Web authoring, CD/DVD, kiosk, 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. (CSU, AVC)

Video Design & Production I

DM106:

3.0 Units

Prerequisite: Completion of DM 101 Instructional fee: Students may need to purchase a student Adobe creative suite software license 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. (CSU, AVC)

Motion Graphics

DM110:

3.0 Units

Prerequisite: Completion of DM 106. Instructional fee; Students may need to purchase a student Adobe creative suite software license. 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. BEFORE ENROLLING, students should be familiar with the Macintosh operating system, the Macintosh computer, and related peripherals. (CSU, AVC)

Experimental Video Production

DM112:

3.0 Units

Prerequisite: Completion of DM 106. Instructional materials fee: Students may need to purchase a student Adobe creative suite software license. 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 BEFORE ENROLLING, students should be familiar with the Macintosh operating system, the Macintosh computer, and related peripherals. (CSU, AVC)

Photoshop I

DM113:

3.0 Units

Prerequisite: Completion of DM 101. 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. BEFORE ENROLLING, students should have a basic knowledge of the Mac OS and Adobe Photoshop. (CSU, AVC)

Graphic Communications I

DM115:

3.0 Units

Prerequisite: Completion of DM 101. Instructional Fee: Students may need to purchase a Student Adobe Creative Suite Software License 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. (CSU, AVC)

Web Design and Production I

DM127:

3.0 Units

Advisory: Completion of DM 101 and ART 110. 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)

Web Design and Production II

DM128:

3.0 Units

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. (CSU, AVC)

Digital Printing I

DM133:

3.0 Units

Prerequisite: Completion of DM 101. Instructional materials fee required for this course and must be paid at registration. This course provides students with basic instruction in software, hardware, and design and production skills necessary for various types of digital printing, with an emphasis on output to paper. Students will learn how to create projects with appropriate specifications for typical industry standard entry-level print jobs such as brochures, fliers, and promotional pieces. Students will learn to finalize files for output to professional printing vendors. (CSU, AVC)

Computer 2-D Animation

DM143:

3.0 Units

Prerequisite: Completion of DM 101. Instructional materials fee: Students may need to purchase a student Adobe creative suite software license 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 (CSU, AVC)

Computer 3-D Animation

DM145:

3.0 Units

Prerequisite : Completion of DM 101, DM 143

Instructional fee: Students may need to purchase a student Adobe creative suite software license 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. (CSU, AVC)

Work Experience

DM199:

1.0 - 4.0 Units

Graphic Design II

DM203:

3.0 Units

Prerequisite: Completion of DM 103. Instructional Fee: Students may need to purchase a Student Adobe Creative Suite Software License 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. (CSU, AVC)

Digital Illustration

DM205:

3.0 Units

Advisory: Completion of DM 113. Prerequisite: Completion of DM 101. Instructional fee:: Students may need to purchase a student Adobe creative suite software license 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. (CSU, AVC)

Video Design and Production II

DM206:

3.0 Units

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.(CSU, AVC)

Photoshop II

DM213:

3.0 Units

Advisory: Completion of DM 101. Prerequisite: Completion of DM 113. Instructional Fee: Students may need to purchase a Student Adobe Creative Suite Software License 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. (CSU, AVC)

Graphic Communications II

DM215:

3.0 Units

Prerequisite: Completion of DM 115. Instructional Fee: Students may need to purchase a Student Adobe Creative Suite Software License 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. (CSU, AVC)

Digital Printing II

DM233:

3.0 Units

Advisory: Completion of DM 101. Prerequisite: Completion of DM 133. Instructional materials fee: Students may need to purchase a student Adobe creative suite software license. This course provides students with advanced instruction in software, hardware, and design and production skills necessary for various types of digital printing, with an emphasis on output to paper. Students will learn how to create projects for typical industry standard advanced-level multiple page print jobs such as brochures, newsletters, newspapers, and magazines. BEFORE ENROLLING, students should have a basic knowledge of the Mac OS and Adobe Photoshop. (CSU, AVC)

Portfolio and Job Search

DM246:

3.0 Units

Advisory: Completion of DM 101 Prerequisite: Completion of DM 113 Instructional Fee: Students may need to purchase a Student Adobe Creative Suite Software License. This course provides students with the necessary skills associated with portfolio development, self-promotion, interview techniques, and job search in digital media arts. Students will refine their existing examples of digital media work and create new works as needed to showcase their abilities to prospective employers. Self-promotional pieces such as direct mail, business cards, and Web site designs will be developed. (CSU, AVC)

Special Studies Digital Media

DM298:

3.0 Units

Advisory: Completion of DM 101. Instructional fee: Students may need to purchase a Student Adobe Creative Suite Software License This course provides the student with the ability to conduct advanced individual study in the field of digital media under instructor guidance. Work during this course will provide the student with the opportunity to refine skills that can be demonstrated in a portfolio quality final project that will serve as part of the degree/certificate program. Cost for supplies beyond the instructional materials fee will depend on the type of individual study or project to be undertaken. Students may need to purchase an Adobe creative suite software license (CSU, AVC)

Earth Science

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.

Introduction to Earth Science

ERSC101:

4.0 Units

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. (UC, CSU, AVC) (GE: IGETC Areas 5A, 5C, CSU Areas B1, B3, AVC Area A)

Economics

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.

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

Program Requirements

Economics AA-T (Total 20 - 23)

Complete all of the following

REQUIRED CORE (Total 14 - 15)

Complete the following number of credits: 14-15

ECON101 - Principles of Macroeconomics 3

ECON102 - Principles of Microeconomics 3

<<CHOOSE EITHER MATH 115 or MATH 116>> 0

MATH115 - Statistics 4

OR

MATH116 - Introduction to Statistics Using R 4

<<CHOOSE EITHER MATH 148 or MATH 1150>> 0

MATH148 - Calculus for Business and Economics 4

OR

MATH150 - Calculus and Analytic Geometry 5

LIST A (Total 3 - 4)

Complete the following number of credits: 3-4

BUS201 - Business Law 3

MATH124 - Finite Math 4

MATH160 - Calculus and Analytic Geometry 4

ACCT201 - Financial Accounting 4

ACCT205 - Managerial Accounting 4

BUS113 - Business Communications 3

CA221 - Computer Concepts & Applications in Business 4

CIS101 Introduction to Computer Information Science 3

LIST B (Total 3 - 4)

Complete the following number of credits: 3-4

OR Any LIST A course not already used. 0

ECON100 - Survey of Economics 3

ECON110 - Economics of the Underclass 3

MATH250 - Calculus and Analytic Geometry 4

POLS101 - American Political Institutions 3

PSY101 - General Psychology 3

SOC101 - Introduction to Sociology 3

MATH220 - Linear Algebra 4

Recommended Pathway

Term 1	Credits
LIST B ECON100 - Survey of Economics	3.0
LIST A MATH124 - Finite Math	4.0
A-2 Written Communication ENGL101 - College Composition	3.0
B-1 Physical Science Take one of the following:	
ASTR101 - Astronomy	3.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
GEOL101 - Physical Geology	3.0
GEOL102 - Historical Geology	3.0
B-3 Laboratory Activity Take one of the following:	
ANTH101L - Biological Anthropology Lab	1.0
ASTR101L - Astronomy Laboratory	1.0
BIOL101L - General Biology Lab	1.0
GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0
GEOL101L - Physical Geology Lab	1.0
GEOL102L - Historical Geology Laboratory	1.0

Any CSU GE Area B-3	1.0	MUSC103 - History of Rock 'n Roll	3.0
Total Credits	14.0	MUSC107 - History of Women in Rock Music	3.0
Term 2	Credits	PHOT107 - History of Photography	3.0
REQUIRED CORE ECON102 - Principles of Microeconomics	3.0	PHTC101 - Beginning Black and White Photography	3.0
REQUIRED CORE MATH148 - Calculus for Business and Economics	4.0	PHTC150 - Beginning Color Photography	3.0
A-1 Oral Communication Take one of the following:		PHTC201 - Advanced Black and White Photography	3.0
COMM101 - Introduction to Public Speaking	3.0	THA101 - Introduction to Theatre	3.0
C-1 Arts (art, Dance, Music, Theatre) Take one of the following:		THA102 - Introduction to Stagecraft	3.0
ART100 - Art Appreciation	3.0	THA110 - Fundamentals of Acting	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0	THA130 - Improvisation	3.0
ART102 - History of Art, Renaissance to Modern	3.0	THA225 - Script Analysis	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0	E. Lifelong Learning and Self-Development Take one of the following:	
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0	CFE102 - The Developing Child	3.0
ART106 - History of Art: Asia	3.0	COMM107 - Introduction to Interpersonal Communication	3.0
ART113 - Painting I	3.0	DA108 - Dance Ensemble	3.0
ART132 - Introduction to Ceramics: Hand-Building	3.0	DA111 - Choreography	3.0
ART135 - Beginning Wheel-Thrown Ceramics	3.0	HD101 - College and Life Management	3.0
ART137 - Advanced Wheel-Thrown Ceramics	3.0	HD102 - Soldiers to Scholars	3.0
ART140 - Watercolor	3.0	HD105 - Personal Development	3.0
ART145 - 2-D Design Basics	3.0	HE101 - Health Education	3.0
ART213 - Painting III	3.0	HE120 - Stress Management	3.0
COMM112 - Oral Interpretation	3.0	NF100 - Nutrition	3.0
COMM114 - Art of Storytelling	3.0	NF103 - Principles of Food Preparation	3.0
DA101 - Dance Appreciation	3.0	NF150 - Food and Culture	3.0
FTV101 - Introduction to Film	3.0	PSY212 - Human Sexuality	3.0
FTV107 - History of Film, Pre 1950	3.0	PSY236 - Developmental Psychology	3.0
FTV108 - History of Film, 1950-Present	3.0	SOC111 - Issues and Concepts in Aging	3.0
FTV201 - Intercultural & Women's Film	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
FTV203 - African-American Cinema	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST115 - Cultural History of Mexico	3.0	Any CSU GE Area E	3.0
MUS101 - Music Appreciation	3.0	Total Credits	16.0
MUS105 - World Music	3.0	Term 3	Credits
MUS111 - Fundamentals of Music (Music Theory I)	3.0	REQUIRED CORE ECON101 - Principles of Macroeconomics	3.0
MUS151 - Music Theory II	3.0	A-3 Critical Thinking Take one of the following:	
MUS251A - Music Theory III	3.0	COMM110 - Persuasion	3.0
MUS251B - Music Theory IV	3.0	COMM115 - Introduction to Argumentation and Debate	3.0
MUSC102 - History of Jazz	3.0	ENGL102 - Critical Thinking and Literature	3.0
		ENGL103 - Critical Thinking and Research	3.0

PHIL101 - Fundamental Reasoning Skills	3.0
PHIL106 - Introduction to Philosophy	3.0
PHIL110 - Introduction to Logic	3.0
PHIL201 - Critical Thinking	3.0
Any CSU GE Area A-3	3.0

C-2 Humanities Any CSU GE Area C-2 3.0

D. Social Sciences Take one of the following:

POLS101 - American Political Institutions	3.0
SOC101 - Introduction to Sociology	3.0

F. Ethnic Studies Ethnic Studies Course 3.0

Total Credits 15.0

Term 4 Credits

REQUIRED CORE MATH115 - Statistics 4.0

Elective Take one of the following:

General Elective	3.0
PSY101 - General Psychology	3.0

Elective General Elective 2.0

C-2 Humanities PHIL106 - Introduction to Philosophy 3.0

B-2 Life Science ANTH101 - Introduction to Biological Anthropology 3.0

Total Credits 15.0

Program Outcomes

AA-T Economics

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.

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.

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.

Students will be able to identify career options that utilize the knowledge and skill sets of the discipline of economics.

Survey of Economics

ECON100:

3.0 Units

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) (GE: IGETC Area 4B, CSU Area D2, AVC Area B)

Principles of Macroeconomics

ECON101:

3.0 Units

Principles of Macroeconomics is the study of the aggregate economic analysis of the U.S. economy. Topics covered include: national income accounts; inflation; unemployment; economic growth; business cycles; money and financial institutions; interest rates; monetary and fiscal policy; international trade and finance. (C-ID: ECON 202) (UC, CSU, AVC) (GE: IGETC Area 4, CSU Area D, AVC Area B)

Principles of Microeconomics

ECON102:

3.0 Units

Advisory: Completion of ENGL 101 or placement by multiple measures. Prerequisite: Completion of Intermediate Algebra or higher or placement by multiple measures. This course is a study of the basic economic principles governing individual and business decisions. It includes an introductory analysis of fundamental microeconomic concepts and the application of these concepts to understanding the causes and consequences of consumer and business firm actions. It examines the determinants of firm specific supply and individual consumer demand, cost-benefit analysis, the theory of competitive equilibrium, price determination in various alternative market structures, and international trade. (C-ID: ECON 201) (UC, CSU, AVC) (GE: IGETC Area 4B, CSU Area D2, AVC Area B)

Economics of the Underclass

ECON110:

3.0 Units

Advisory: Completion of ENGL 101 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) (GE: IGETC Area 4B, CSU Area D, AVC Areas B, F)

Education

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.

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 - 26)

Complete all of the following

Required Courses (Total 21)

Complete the following number of credits: 21

Required Courses (Total 18)

Complete all of the following

ED140 - Introduction to Education 3

ED141 - Introduction to Special Education 3

ED145 - Understanding and Educating the Learning Disabled 3

PSY101 - General Psychology 3

CFE102 - The Developing Child-Child Growth and Development 3

CA103 - Introduction to Computer and Digital Technology 3

Required Course:

Complete the following number of credits: 3

PSY235 - Child Psychology 3

CFE103 - The Child in Family and Community Relationship 3

Program Electives : 3-8 units of CFE Classes or (Total 3 - 5)

Complete the following number of credits: 3-5

DFST101 - American Sign Language I 4

DFST102 - American Sign Language II 4

ED199 - Work Experience 8

ENGL101 - College Composition 3

LAC100 - Introduction to Tutoring 3

LAC200 - Advanced Tutoring 3

SPAN101 - Elementary Spanish 1 5

SPAN102 - Elementary Spanish 2 5

CFE101 - Principles and Practices of Teaching Young Children 3

CFE105 - Introduction to Curriculum-Discovery Based Education for Children 3

CFE106 - Creative Experiences for Children 3

CFE115 - Guiding Children's Behavior 3

CFE116 - Diversity in Early Childhood Education 3

CFE202 - Child Development Practicum-Emergent Leadership 3

CFE211 - Health, Safety, and Nutrition for the Young Child 3

CFE103 - The Child in Family and Community Relationship 3

Recommended Pathway

Term 1	Credits
Program Electives : 3-8 units of CFE Classes or	
ENGL101 - College Composition	3.0
Required Courses ED140 - Introduction to Education	3.0
Required Courses CFE102 - The Developing Child-Child Growth and Development	3.0
Total Credits	9.0
Term 2	Credits
Required Courses CA103 - Introduction to Computer and Digital Technology	3.0
Required Courses PSY101 - General Psychology	3.0
Required Course: Choose one of the following	
CFE103 - The Child in Family and Community Relationship	3.0
Total Credits	9.0
Term 3	Credits
Required Courses ED141 - Introduction to Special Education	3.0
Required Courses ED145 - Understanding and Educating the Learning Disabled	3.0
Total Credits	6.0

Program Outcomes

Instructional Aide Cert

Students will differentiate the multiple influences on the historical and philosophical development of regular and special education at the state and federal levels.

Students will describe, identify, and evaluate education theory, practice, and licensure necessary for employment in education.

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.

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

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.

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.

- DFST102 - American Sign Language II 4
- ED199 - Work Experience 8
- ENGL101 - College Composition 3
- SPAN101 - Elementary Spanish 1 5
- SPAN102 - Elementary Spanish 2 5
- CFE101 - Principles and Practices of Teaching Young Children 3
- CFE105 - Discovery-Based Ed for Childre 3
- CFE106 - Creative Exper for Children 3
- CFE115 - Guiding Children's Behavior 3
- CFE116 - Diversity in Early Childhood Education 3
- CFE202 - Child Devel Prac-Emerg. Leader 3
- CFE211 - Health, Safety, and Nutrition for the Young Child 3
- CFE103 - Child in Family&Community Rel 3
- LAC100 Introduction to Tutoring 3
- LAC200 Advanced Tutoring 3

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 - 26)

Complete all of the following

Required Courses (Total 21)

Complete all of the following

Required Courses (Total 18)

Complete the following number of credits: 18

CFE102 - The Developing Child-Child Growth and Development 3

ED140 - Introduction to Education 3

PSY101 - General Psychology 3

ED141 - Intro to Special Education 3

ED145 - Understand & Ed Learn Disabled 3

CA103 - Introduction to Computer and Digital Technology 3

Required Courses-Choose One: (Total 3)

Complete the following number of credits: 3

CFE103 - Child in Family&Community Rel 3

PSY235 - Child Psychology 3

Program Electives : 3-8 units of CFE Classes or (Total 3 - 5)

Complete the following number of credits: 3-5

DFST101 - American Sign Language I 4

Recommended Pathway

Term 1	Credits
Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition	3.0
Area E -Additional Breadth HD101 - College and Life Management	3.0
Required Courses CA103 - Introduction to Computer and Digital Technology	3.0
Required Courses ED140 - Introduction to Education	3.0
Required Courses CFE102 - The Developing Child-Child Growth and Development	3.0
Total Credits	15.0
Term 2	Credits
Required Courses ED141 - Intro to Special Education	3.0
Required Courses PSY101 - General Psychology	3.0
Area B - Social & Behavioral Sciences SOC101 - Introduction to Sociology	3.0
Required Courses-Choose One: CFE103 - Child in Family&Community Rel	3.0
Area F - Diversity Studies SOC116 - Sociology of Gender and Sexuality	3.0
Total Credits	15.0
Term 3	Credits
Required Courses ED145 - Understand & Ed Learn Disabled	3.0
Area C - Humanities ART100 - Art Appreciation	3.0

Program Electives : 3-8 units of CFE Classes or Take one of the following:	
CFE101 - Principles and Practices of Teaching Young Children	3.0
CFE106 - Creative Exper for Children	3.0
CFE115 - Guiding Children's Behavior	3.0
CFE116 - Diversity in Early Childhood Education	3.0
Elective General Elective	3.0
Elective General Elective	3.0
Total Credits	15.0
Term 4	Credits
Area A - Natural Sciences BIOL102 - Human Biology	4.0
Area D2 - Language & Rationality - Academic Composition COMM114 - Art of Storytelling	3.0
Elective General Elective	3.0
Elective General Elective	3.0
Elective General Elective	2.0
Total Credits	15.0

Program Outcomes

AA Instructional Aide

Students will differentiate the multiple influences on the historical and philosophical development of regular and special education at the state and federal levels.

Students will describe, identify, and evaluate education theory, practice, and licensure necessary for employment in education.

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.

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

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.

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.

Introduction to Education

ED140:

3.0 Units

An introductory survey course to the field of education including the study of historical and philosophical perspectives; school governance and funding; student diversity; instructional methods, curriculum and teacher practice and pathways towards teacher certification and other careers in education. In addition this course includes a foundational understanding of public school law as well as federal and state educational policies and regulations. Students will be introduced to such topics as educational psychology, student discipline, California Standards for the Teaching Profession, and current trends in education. Students will also gain practical experience in recent research, research sources and APA writing style. A current TB clearance might be required for field experiences. (UC, CSU, AVC)

Introduction to Special Education

ED141:

3.0 Units

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)

Understanding and Educating the Learning Disabled

ED145:

3.0 Units

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)

Work Experience

ED199:

8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Electrical Technology

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.

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 control. 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 the following number of credits: 34

- ELEC110 - Fundamentals of Electricity 4
- ELEC115 - Electrical Codes and Ordinances 4
- ELEC120 - Residential Wiring 4
- ELEC130 - Alternating Current Theory 3
- ELEC140 - Comm&Indust Wiring&Cabling 4
- ELEC150 - Electrical Maintenance 4
- ELEC160 - Fundamentals of Motor Control 4
- ELEC220 - Advanced Motor Control-PLC 4
- ELEC250 - Electricians Journeyman Review 3

Recommended Pathway

Term 1	Credits
Electrical Technology Cert ELEC110 - Fundamentals of Electricity	4.0
Electrical Technology Cert ELEC115 - Electrical Codes and Ordinances	4.0
Electrical Technology Cert ELEC120 - Residential Wiring	4.0
Total Credits	12.0

Term 2	Credits
Electrical Technology Cert ELEC130 - Alternating Current Theory	3.0
Electrical Technology Cert ELEC140 - Comm&Indust Wiring&Cabling	4.0
Electrical Technology Cert ELEC160 - Fundamentals of Motor Control	4.0
Total Credits	11.0
Term 3	Credits
Electrical Technology Cert ELEC150 - Electrical Maintenance	4.0
Electrical Technology Cert ELEC220 - Advanced Motor Control-PLC	4.0
Electrical Technology Cert ELEC250 - Electricians Journeyman Review	3.0
Total Credits	11.0

Program Outcomes

Electrical Technology Cert

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.

Analyze, evaluate, troubleshoot, and repair residential, commercial and industrial electrical systems to meet industry standards and the National Electric Code.

Read and interpret blueprints, architectural drawings and schematics to install, maintain and repair electrical systems.

Evaluate the operation of various motor control systems, including programmable control systems, and modify or repair as necessary.

Electrical Technology AS

The requirements for an associate degree in Electrical Technology may be satisfied by completing 34 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 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 the following number of credits: 34

- ELEC110 - Fundamentals of Electricity 4
- ELEC115 - Electrical Codes and Ordinances 4
- ELEC120 - Residential Wiring 4
- ELEC130 - Alternating Current Theory 3
- ELEC140 - Comm&Indust Wiring&Cabling 4
- ELEC150 - Electrical Maintenance 4
- ELEC160 - Fundamentals of Motor Control 4
- ELEC220 - Advanced Motor Control-PLC 4
- ELEC250 - Electricians Journeyman Review 3

Recommended Pathway

Term 1

- | | | |
|---|----------------|-----|
| Electrical Technology AS ELEC110 - Fundamentals of Electricity | Credits | 4.0 |
| Electrical Technology AS ELEC115 - Electrical Codes and Ordinances | | 4.0 |
| Electrical Technology AS ELEC120 - Residential Wiring | | 4.0 |

D1 - Language & Rationality - Communication and Analytical Thinking Take one of the following:

- | | |
|--------------------------------|-------------|
| ENGL101 - Academic Composition | 3.0 |
| Total Credits | 15.0 |

Term 2

- | | | |
|--|----------------|-----|
| Electrical Technology AS ELEC130 - Alternating Current Theory | Credits | 3.0 |
| Electrical Technology AS ELEC140 - Comm&Indust Wiring&Cabling | | 4.0 |
| Electrical Technology AS ELEC160 - Fundamentals of Motor Control | | 4.0 |

Area A -Natural Sciences Take one of the following:

- | | |
|---|-----|
| ANTH101 - Introduction to Biological Anthropology | 3.0 |
| ANTH101L - Biological Anthropology Lab | 1.0 |
| ASTR101 - Astronomy | 3.0 |
| ASTR101L - Astronomy Laboratory | 1.0 |
| BIOL100 - Elementary Human Anatomy and Physiology | 3.0 |
| BIOL101 - General Biology | 3.0 |
| BIOL101L - General Biology Lab | 1.0 |
| BIOL102 - Human Biology | 4.0 |
| BIOL103 - Introduction to Botany | 4.0 |
| BIOL104 - Environmental Biology | 3.0 |
| BIOL110 - General Molecular Cell Biology | 5.0 |

- | | |
|---|--------------------|
| BIOL120 - General Organismal, Ecological and Evolutionary Biology | 5.0 |
| BIOL201 - General Human Anatomy | 4.0 |
| BIOL202 - General Human Physiology | 4.0 |
| BIOL204 - General Microbiology | 5.0 |
| BIOL205 - Introduction to Biotechnology | 3.0 |
| CHEM101 - Introductory Chemistry | 5.0 |
| CHEM102 - Intro Chem (Organic & Biochem) | 4.0 |
| CHEM110 - General Chemistry | 5.0 |
| ELTE101 - Survey of Electronics | 4.0 |
| ERSC101 - Introduction to Earth Science | 4.0 |
| GEOG101 - Physical Geography: Earth's Surface Landscapes | 3.0 |
| GEOG101L - Physical Geography Lab: Earth's Surface Landscapes | 1.0 |
| GEOG102 - Physical Geography: Earth's Weather & Climate | 3.0 |
| GEOG102L - Phy Geog Lab: Earth's Wea&Cli | 1.0 |
| GEOL101 - Physical Geology | 3.0 |
| GEOL101L - Physical Geology Lab | 1.0 |
| GEOL102 - Historical Geology | 3.0 |
| GEOL102L - Historical Geology Laboratory | 1.0 |
| PHYS101 - Introductory Physics | 4.0 |
| PHYS102 - Introductory Physics | 4.0 |
| PHYS110 - General Physics | 4.0 |
| PHYS120 - General Physics | 4.0 |
| PHYS211 - General Physics | 5.0 |
| PSCI101 - Physical Science | 4.0 |
| Total Credits | 12.0 - 16.0 |

Term 3

- | | | |
|---|----------------|-----|
| Electrical Technology AS ELEC150 - Electrical Maintenance | Credits | 4.0 |
| Area B - Social & Behavioral Sciences Take one of the following: | | |
| AJ201 - Police in Society | | 3.0 |
| AJ204 - Juvenile Procedures | | 3.0 |
| AJ206 - Criminology | | 3.0 |
| ANTH102 - Introduction to Cultural Anthropology | | 3.0 |
| ANTH103 - Archaeology and World Prehistory | | 3.0 |
| ANTH112 - Native North Americans | | 3.0 |
| ANTH140 - Intro to Archaeology | | 4.0 |
| BUS101 - Introduction to Business | | 3.0 |
| CFE102 - The Developing Child | | 3.0 |

COMM217 - Gender and Communication	3.0	PSY233 - Personal and Social Adjustment	3.0
DFST105 - Intro to American Deaf Culture	3.0	PSY234 - Abnormal Psychology	3.0
ECON100 - Survey of Economics	3.0	PSY235 - Child Psychology	3.0
ECON101 - Prin of Macroeconomics	3.0	PSY236 - Developmental Psychology	3.0
ECON102 - Principles of Microeconomics	3.0	SOC101 - Introduction to Sociology	3.0
ECON110 - Econ of the Underclass	3.0	SOC105 - Mexican Amer Contemp Society	3.0
GEOG105 - Cultural Geography	3.0	SOC110 - Ethnic Relations	3.0
GEOG106 - California Geography	3.0	SOC112 - American Social Issues	3.0
GEOG110 - World Regional Geography	3.0	SOC111 - Issues Concepts in Aging	3.0
HIST101 - Western Civilization, Beg-1750	3.0	SOC115 - Marriage and Family Life	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC116 - Sociology of Gender&Sexuality	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC120 - Drugs Society Human Behavior	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	D2 - Language & Rationality - Communication and Analytical Thinking Take one of the following:	
HIST107 - U.S. History, 1607-1877	3.0	BUS113 - Business Communications	3.0
HIST108 - U.S. History from 1865	3.0	CIS101 - Intro Computer Info Science	3.0
HIST110 - African-American History, 1450- 1877	3.0	CA103 - Intro to Computers & Dig Tech	3.0
HIST111 - African-American History, 1877- Present	3.0	CIS111 - Intro Programming & Algorithms	3.0
HIST113 - Women in American History	3.0	CIS161 - Introduction to C Programming	3.0
HIST114 - History of California	3.0	COMM101 - Intro to Public Speaking	3.0
HIST116 - Contemp US History: From Viet	3.0	COMM107 - Introduction to Interpersonal Communication	3.0
HIST118 - American West Hist, 1806-Pres	3.0	COMM109 - Small Group Communication	3.0
HIST119 - History Latin American and the Caribbean	3.0	COMM112 - Oral Interpretation	3.0
POLS101 - Amer Political Institutions	3.0	COMM114 - Art of Storytelling	3.0
POLS103 - Comparative Government	3.0	COMM115 - Introduction to Argumentation and Debate	3.0
POLS200 - Intro to Political Theory	3.0	COMM217 - Gender and Communication	3.0
POLS201 - Contemporary International Relations	3.0	COMM219 - Introduction to Intercultural Communication	3.0
POLS202 - Ethnic Politics in America	3.0	ENGL102 - Critical Thinking & Literature	3.0
POLS203 - The Judicial Process	3.0	ENGL103 - Critical Thinking and Research	3.0
PSY101 - General Psychology	3.0	GEOG201 - Map Interpretation and GPS	4.0
PSY102 - Introduction to Alcohol and Other Drug Studies	3.0	GEOG205 - Intro Geographic Info Systems	3.0
PSY201 - Introduction to Physiological Psychology	3.0	MATH102 - Intermediate Algebra	4.0
PSY212 - Human Sexuality	3.0	MATH110 - Mathematics for Liberal Arts Students	3.0
PSY230 - Social Psychology	3.0	MATH115 - Statistics	4.0
PSY232 - Theories of Personality	3.0	MATH116 - Intro to Statistics Using R	4.0
		MATH120 - Math for Teachers	3.0
		MATH124 - Finite Math	4.0

MATH128 - College Algebra for Liberal Arts	3.0	HD101 - College and Life Management	3.0
MATH135 - Plane Trigonometry	3.0	HD102 - Soldiers to Scholars	3.0
MATH140 - Precalculus	5.0	HD103 - Career Planning	1.5
MATH148 - Calculus for Business and Economics	4.0	HD105 - Personal Development	3.0
MATH150 - Calculus and Analytic Geometry	5.0	HE120 - Stress Management	3.0
MATH160 - Calculus and Analytic Geometry	4.0	KINF135 - Physical Conditioning	0.5 - 1.0
MATH220 - Linear Algebra	4.0	KINF150 - Beginning Soccer	1.0
MATH230 - Introduction to Ordinary Differential Equations	4.0	KINF151 - Intermediate Soccer	1.0
MATH250 - Calculus and Analytic Geometry	4.0	KINF160 - Beginning Tennis	1.0
PHIL101 - Fundamental Reasoning Skills	3.0	KINF161 - Intermediate Tennis	1.0
PHIL106 - Intro to Philosophy	3.0	KINF115 - Beginning Fast-Pitch Softball	1.0
PHIL110 - Introduction to Logic	3.0	KINF107 - Beginning Weight Lifting	1.0
PHIL201 - Critical Thinking	3.0	KINF162 - Advanced Tennis	1.0
Area E - Additional Breadth Take one of the following:		KINT100 - Introduction to Kinesiology	3.0
Course utilized from AREA A, B, C, or D2	3.0	LIB107 - Information Literacy	3.0
CFE102 - The Developing Child	3.0	LIB110 - Intro to Internet Research	1.0
COMM107 - Introduction to Interpersonal Communication	3.0	NF100 - Nutrition	3.0
COMM219 - Introduction to Intercultural Communication	3.0	NF102 - Nutrition & Food Children	3.0
DA102 - Beg Ballet	1.0	NF103 - Prin of Food Preparation	3.0
DA103 - Beg Modern Dance	1.0	NF110 - Sports Nutrition	3.0
DA104 - Beg Jazz Dance	1.0	NF150 - Food and Culture	3.0
DA105 - Beg Tap Dance	1.0	PSY212 - Human Sexuality	3.0
DA106 - Ballroom Dance	1.0	SOC111 - Issues Concepts in Aging	3.0
DA113 - World Dance-Ethnic Forms	1.0	SOC116 - Sociology of Gender&Sexuality	3.0
DA115 - Dance Repertory	1.0	Elective Take one of the following:	
DA116 - Dance Improvisation	1.0	General Elective	3.0
DA122 - Int Ballet	1.0	BIP110 - Keyboarding I	1.0
DA123 - Int Modern Dance	1.0	BIP120 - Keyboarding II	1.0
DA124 - Int Jazz Dance	1.0	BIP130 - Keyboarding III	1.0
DA125 - Int Tap Dance	1.0	BUS111 - Business English	3.0
DA202 - Advanced Ballet	1.0	BUS113 - Business Communications	3.0
DA203 - Adv Modern Dance	1.0	CA175 - Administering Windows Server	3.0
DA204 - Adv Jazz Dance	1.0	CA176 - Windows Server Networking	3.0
DA205 - Advanced Tap Dance	1.0	DA101 - Dance Appreciation	3.0
DFST105 - Intro to American Deaf Culture	3.0	FTV101 - Introduction to Film	3.0
HD100 - Basic Strategies For College Success	1.5	HD101 - College and Life Management	3.0
		HE101 - Health Education	3.0
		MUS101 - Music Appreciation	3.0
		CA153 - Windows Install & Sys Support	3.0

CA185 - Network Security - CCNA Security	3.0	ENGL102 - Critical Thinking & Literature	3.0
Total Credits	11.5 - 19.0	ENGL111 - Creative Writing: Fiction	3.0
Term 4	Credits	ENGL112 - Creative Writing: Poetry	3.0
Electrical Technology AS ELEC220 - Advanced Motor Control-PLC	4.0	ENGL221 - American Literature 1400-1865	3.0
Electrical Technology AS ELEC250 - Electricians Journeyman Review	3.0	ENGL222 - American Literature, 1865-Present	3.0
Area C - Humanities Take one of the following:		ENGL225 - English Literature, 800-1750	3.0
ART100 - Art Appreciation	3.0	ENGL227 - English Literature, 1750-Present	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0	ENGL230 - World Literature 1	3.0
ART102 - History of Art, Renaissance to Modern	3.0	ENGL231 - World Literature 2	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0	ENGL235 - Shakespeare and Culture	3.0
ART104 - Hist of Art in 20th Century	3.0	ENGL242 - Narrative and Culture	3.0
ART106 - History of Art: Asia	3.0	ENGL253 - African American Literature	3.0
ART110 - Drawing	3.0	ENGL256 - Latinx Literature	3.0
ART113 - Painting I	3.0	ENGL257 - Native-Amer Literature	3.0
ART120 - Introduction to Printmaking	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
ART132 - Introduction to Ceramics: Hand- Building	3.0	ENGL265 - Film: Text and Context	3.0
ART135 - Beginning Wheel-Thrown Ceramics	3.0	ENGL279 - Science Fiction and Dystopian Literature	3.0
ART136 - Int Wheel-Thrown Ceramics	3.0	FREN101 - Elementary French 1	5.0
ART137 - Advanced Wheel-Thrown Ceramics	3.0	FREN102 - Elementary French 2	5.0
ART140 - Watercolor	3.0	FREN201 - Intermediate French 1	5.0
ART145 - 2-D Design Basics	3.0	FREN202 - Intermediate French 2	5.0
ART150 - 3-D Design Basics	3.0	FREN203 - Advanced French	3.0
ART210 - Drawing III	3.0	FTV101 - Introduction to Film	3.0
ART213 - Painting III	3.0	FTV103 - Introduction to Television	3.0
CHIN101 - Elementary Chinese I	5.0	FTV107 - History of Film, Pre 1950	3.0
CHIN102 - Elementary Chinese 2	5.0	FTV108 - History of Film, 1950-Present	3.0
CHIN201 - Intermediate Chinese	5.0	FTV201 - Intercultural & Women's Film	3.0
CHIN202 - Intermediate Chinese	5.0	FTV203 - African-American Cinema	3.0
COMM112 - Oral Interpretation	3.0	FTV251 - Cont American Indep Film	4.0
COMM114 - Art of Storytelling	3.0	FTV261 - Religion and Cinema	4.0
DA101 - Dance Appreciation	3.0	GER101 - Elementary German 1	5.0
DFST101 - American Sign Language I	4.0	GER102 - Elementary German 2	5.0
DFST102 - American Sign Language II	4.0	GER201 - Intermediate German 1	4.0
DFST105 - Intro to American Deaf Culture	3.0	GER202 - Intermediate German 2	4.0
DFST106 - Intro to Deaf Education	3.0	HIST115 - Cultural History of Mexico	3.0
DFST201 - Amer Sign Language III	4.0	LATN101 - Elementary Latin 1	5.0
DFST202 - Amer Sign Language IV	4.0	LATN102 - Elementary Latin 2	5.0
		LATN201 - Intermediate Latin	5.0
		MUS101 - Music Appreciation	3.0

MUS105 - World Music	3.0	THA118A - Rehearsal and Performance: Children's Theatre	1.0
MUS111 - Fundamentals of Music (Music Theory I)	3.0	THA121A - Theatre Production	1.0
MUS131 - Piano I	2.0	THA130 - Improvisation	3.0
MUS132 - Piano II	2.0	THA133 - Makeup for the Stage	3.0
MUS151 - Music Theory II	3.0	THA225 - Script Analysis	3.0
MUS153B - Musicianship II	2.0	THA239 - Intercultural and Women's Theatre	3.0
MUS185 - Concert Choir	1.0		
MUS231 - Piano III	2.0	Area F -Diversity Studies Take one of the following:	
MUS251A - Music Theory III	3.0	ANTH102 - Introduction to Cultural Anthropology	3.0
MUS251B - Music Theory IV	3.0	ANTH112 - Native North Americans	3.0
MUS253A - Musicianship III	2.0	BUS212 - Women in Organizations	3.0
MUS253B - Musicianship IV	2.0	CFE116 - Diversity Early Childhood Ed	3.0
MUSC102 - History of Jazz	3.0	COMM114 - Art of Storytelling	3.0
MUSC103 - History of Rock 'n Roll	3.0	COMM217 - Gender and Communication	3.0
MUSC107 - History of Women in Rock Music	3.0	COMM219 - Introduction to Intercultural Communication	3.0
PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0	DFST105 - Intro to American Deaf Culture	3.0
PHIL106 - Intro to Philosophy	3.0	DFST106 - Intro to Deaf Education	3.0
PHIL108 - Philosophy of Religion	3.0	ECON110 - Econ of the Underclass	3.0
PHIL109 - World Religions	3.0	ENGL253 - African American Literature	3.0
PHOT107 - History of Photography	3.0	ENGL256 - Latinx Literature	3.0
PHTC101 - Beginning Black and White Photography	3.0	ENGL257 - Native-Amer Literature	3.0
PHTC150 - Beginning Color Photography	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
PHTC201 - Advanced Black and White Photography	3.0	FTV201 - Intercultural & Women's Film	3.0
SPAN101 - Elementary Spanish 1	5.0	FTV203 - African-American Cinema	3.0
SPAN102 - Elementary Spanish 2	5.0	HE201 - Women's Health Issues	3.0
SPAN110SS - Span for Heritage Speakers I	5.0	HIST110 - African-American History, 1450- 1877	3.0
SPAN201 - Intermediate Spanish 1	5.0	HIST111 - African-American History, 1877- Present	3.0
SPAN202 - Intermediate Spanish 2	5.0	HIST113 - Women in American History	3.0
SPAN210SS - Span for Heritage Speakers II	5.0	MUSC107 - History of Women in Rock Music	3.0
SPAN220SS - Composition and Conversation	5.0	MUSC108 - History of Hip Hop	3.0
THA101 - Introduction to Theatre	3.0	POLS202 - Ethnic Politics in America	3.0
THA102 - Introduction to Stagecraft	3.0	SOC105 - Mexican Amer Contemp Society	3.0
THA103 - Introduction to Stage Lighting	3.0	SOC110 - Ethnic Relations	3.0
THA110 - Fundamentals of Acting	3.0	SOC116 - Sociology of Gender&Sexuality	3.0
THA115A - Rehearsal and Performance: Drama	1.0	THA239 - Intercultural and Women's Theatre	3.0
THA116A - Rehearsal and Performance: Comedy	1.0	Elective General Elective	3.0
THA117A - Rehearsal and Performance: Musical Theatre	1.0	Total Credits	14.0 - 18.0

Program Outcomes

AS Electrical Technology

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.

Analyze, evaluate, troubleshoot, and repair residential, commercial and industrial electrical systems to meet industry standards and the National Electric Code.

Read and interpret blueprints, architectural drawings and schematics to install, maintain and repair electrical systems.

Evaluate the operation of various motor control systems, including programmable control systems, and modify or repair as necessary.

Fundamentals of Electricity

ELEC110:

4.0 Units

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)

Electrical Codes and Ordinances

ELEC115:

4.0 Units

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).

Residential Wiring

ELEC120:

4.0 Units

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)

Alternating Current Theory

ELEC130:

3.0 Units

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)

Commercial & Industrial Wiring & Cabling

ELEC140:

4.0 Units

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. (AVC)

Electrical Maintenance

ELEC150:

4.0 Units

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. (AVC)

Fundamentals of Motor Control

ELEC160:

4.0 Units

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. (AVC)

Occupational Work Experience

ELEC199:

8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Advanced Motor Control-PLC

ELEC220:

4.0 Units

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. (AVC)

Electricians Journeyman Review

ELEC250:

3.0 Units

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. (AVC) (R unlimited*) * Course repeatability allowed for mandated training as stated in Title 5, Section 55763(c) and 58161(c).

Electronics Technology

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 Administrator (FAA).

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 the following number of credits: 15

- ELTE110 - Electronic Mathematics 4
- ELTE125 - Direct Current and Alternating Current Principles 5
- ELTE145 - Acceptability of Electronic Assemble 6

Recommended Pathway

Avionics Technology Certificate

Term 1	Credits
Avionics Technology Certificate ELTE110 - Electronic Mathematics	4.0
Avionics Technology Certificate ELTE125 - Direct Current and Alternating Current Principles	5.0
Avionics Technology Certificate ELTE145 - Acceptability of Electronic Assemble	6.0
Total Credits	15.0

Program Outcomes

Avionics Technology Certificate

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.

Analyze, evaluate, troubleshoot, and repair electronics systems.

Evaluate, read and properly interpret industry standard electronics schematics and technical manuals to assess, maintain, and repair electronics systems.

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

Required Courses (Total 21)

Complete the following number of credits: 21

- ELTE110 - Electronic Mathematics 4
- ELTE125 - Direct Current and Alternating Current Principles 5
- ELTE130 - Digital Circuit Analysis 4

ELTE135 - Analog Circuit Analysis 4

ELTE235 - 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

- ELTE220 - Microprocessor Systems II 3
- ELTE140 - Microprocessor Systems I 3

Option 2 (Total 6)

Complete all of the following

- ELTE180 - Microprocessor Systems 6

Program Electives (Total 3)

Complete the following number of credits: 3

- ELTE105 - Introduction to Robotics 3
- ELTE145 - Acceptability of Electronic Assemble 6
- ELTE199 - Occupational Work Experience 1 - 8

ELTE252 - Introduction to Avionics 3

ELTE254 - Radio Telephone License 3

Recommended Pathway

Electronics Technology Cert

First Semester	Credits
Required Courses ELTE110 - Electronic Mathematics	4.0
Required Courses ELTE125 - Direct Current and Alternating Current Principles	5.0
Required Courses ELTE130 - Digital Circuit Analysis	4.0
Total Credits	13.0
Second Semester	Credits
Required Courses ELTE135 - Analog Circuit Analysis	4.0

Complete Option 1 or Option 2 ELTE180 - Microprocessor Systems	6.0
Total Credits	10.0
Third Semester Credits	
Required Courses ELTE235 - Electronic Communications I	4.0
Option 1 ELTE220 - Microprocessor Systems II	3.0
Program Electives Take one of the following:	
ELTE105 - Introduction to Robotics	3.0
ELTE145 - Acceptability of Electronic Assemble	6.0
ELTE199 - Occupational Work Experience	1.0 - 8.0
ELTE252 - Introduction to Avionics	3.0
ELTE254 - Radio Telephone License	3.0
Total Credits	8.0 - 15.0

Program Outcomes

Electronics Technology Cert

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.

Analyze, evaluate, troubleshoot, and repair electronics systems.

Evaluate, read and properly interpret industry standard electronics schematics and technical manuals to assess, maintain, and repair electronics systems.

Electronics Technology AS

The requirements for an associate degree in Electronics Technology may be satisfied by completing 27 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

Required Courses (Total 21)

Complete the following number of credits: 21

ELTE110 - Electronic Mathematics 4

ELTE125 - Direct Current and Alternating Current Principles 5

ELTE130 - Digital Circuit Analysis 4

ELTE135 - Analog Circuit Analysis 4

ELTE235 - 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

ELTE140 - Microprocessor Systems I 3

ELTE220 - Microprocessor Systems II 3

Option 2 (Total 6)

Complete all of the following

ELTE180 - Microprocessor Systems 6

Program Elective (Total 3)

Complete the following number of credits: 3

ELTE105 - Introduction to Robotics 3

ELTE145 - Acceptability of Electronic Assemble 6

ELTE199 - Occupational Work Experience 1 - 8

ELTE252 - Introduction to Avionics 3

ELTE254 - Radio Telephone License 3

Recommended Pathway

First Semester	Credits
Required Courses ELTE110 - Electronic Mathematics	4.0
Required Courses ELTE125 - Direct Current and Alternating Current Principles	5.0
Required Courses ELTE130 - Digital Circuit Analysis	4.0
D1 - Language & Rationality - Communication and Analytical Thinking	3.0
ENGL101 - College Composition	
Total Credits	16.0
Second Semester	Credits
Required Courses ELTE135 - Analog Circuit Analysis	4.0
Complete Option 1 or Option 2 ELTE180 - Microprocessor Systems	6.0
D2 - Language & Rationality - Communication and Analytical Thinking	
Take one of the following:	
BUS113 - Business Communications	3.0
CA103 - Introduction to Computer and Digital Technology	3.0

COMM101 - Introduction to Public Speaking	3.0	KINF107 - Beginning Weight Lifting	1.0
COMM107 - Introduction to Interpersonal Communication	3.0	KINF108 - Intermediate Weight Lifting	1.0
COMM109 - Small Group Communication	3.0	General Elective	1.0
COMM112 - Oral Interpretation	3.0	General Elective	2.0
COMM114 - Art of Storytelling	3.0	General Elective	3.0
COMM115 - Introduction to Argumentation and Debate	3.0	Total Credits	14.0 - 18.0
COMM217 - Gender and Communication	3.0	Third Semester	Credits
COMM219 - Introduction to Intercultural Communication	3.0	Required Courses ELTE235 - Electronic Communications I	4.0
ENGL102 - Critical Thinking and Literature	3.0	Area A -Natural Sciences Take one of the following:	
ENGL103 - Critical Thinking and Research	3.0	ANTH101 - Introduction to Biological Anthropology	3.0
GEOG201 - Map Interpretation and GPS	4.0	ANTH101L - Biological Anthropology Lab	1.0
GEOG205 - Introduction to Geographic Information Systems	3.0	ASTR101 - Astronomy	3.0
MATH110 - Mathematics for Liberal Arts Students	3.0	ASTR101L - Astronomy Laboratory	1.0
MATH115 - Statistics	4.0	BIOL100 - Elementary Human Anatomy and Physiology	3.0
MATH116 - Introduction to Statistics Using R	4.0	BIOL101 - General Biology	3.0
MATH120 - Math for Teachers	3.0	BIOL101L - General Biology Lab	1.0
MATH124 - Finite Math	4.0	BIOL102 - Human Biology	4.0
MATH128 - College Algebra for Liberal Arts	3.0	BIOL103 - Introduction to Botany	4.0
MATH135 - Plane Trigonometry	3.0	BIOL104 - Environmental Biology	3.0
MATH148 - Calculus for Business and Economics	4.0	BIOL110 - General Molecular Cell Biology	5.0
MATH150 - Calculus and Analytic Geometry	5.0	BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
MATH160 - Calculus and Analytic Geometry	4.0	BIOL201 - General Human Anatomy	4.0
MATH220 - Linear Algebra	4.0	BIOL202 - General Human Physiology	4.0
MATH230 - Introduction to Ordinary Differential Equations	4.0	BIOL204 - General Microbiology	5.0
MATH250 - Calculus and Analytic Geometry	4.0	BIOL205 - Introduction to Biotechnology	3.0
PHIL101 - Fundamental Reasoning Skills	3.0	CHEM101 - Introductory Chemistry	5.0
PHIL106 - Introduction to Philosophy	3.0	CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0
PHIL110 - Introduction to Logic	3.0	CHEM110 - General Chemistry	5.0
PHIL201 - Critical Thinking	3.0	ELTE101 - Survey of Electronics	4.0
MATH140 - Precalculus	4.0	ERSC101 - Introduction to Earth Science	4.0
Any GE Area D2	3.0	GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
Elective Take one of the following:		GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
ART101 - History of Art, Prehistoric to Gothic	3.0	GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
DA101 - Dance Appreciation	3.0	GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0
FTV107 - History of Film, Pre 1950	3.0	GEOL101 - Physical Geology	3.0
MUS101 - Music Appreciation	3.0	GEOL101L - Physical Geology Lab	1.0
PHOT107 - History of Photography	3.0		
THA111 - Theatre History I	3.0		

GEOL102 - Historical Geology	3.0	KINF151 - Intermediate Soccer	1.0
GEOL102L - Historical Geology Laboratory	1.0	KINF160 - Beginning Tennis	1.0
PHYS101 - Introductory Physics	4.0	KINF161 - Intermediate Tennis	1.0
PHYS102 - Introductory Physics	4.0	KINF115 - Beginning Fast-Pitch Softball	1.0
PHYS110 - General Physics	4.0	KINF107 - Beginning Weight Lifting	1.0
PHYS120 - General Physics	4.0	KINT100 - Introduction to Kinesiology	3.0
PHYS211 - General Physics	5.0	LIB107 - Information Literacy	3.0
PSCI101 - Physical Science	4.0	LIB110 - Introduction to Internet Research	1.0
Any GE Area A	3.0	NF100 - Nutrition	3.0
Area E - Additional Breadth		NF102 - Nutrition and Food for Children	3.0
Take one of the following:		NF103 - Principles of Food Preparation	3.0
Course utilized from AREA A, B, C, or D2	3.0	NF110 - Sports Nutrition	3.0
CFE102 - The Developing Child	3.0	NF150 - Food and Culture	3.0
COMM107 - Introduction to Interpersonal Communication	3.0	PSY212 - Human Sexuality	3.0
COMM219 - Introduction to Intercultural Communication	3.0	SOC111 - Issues and Concepts in Aging	3.0
DA102 - Beg Ballet	1.0	SOC116 - Sociology of Gender and Sexuality	3.0
DA103 - Beginning Modern Dance	1.0	Any GE Area E	3.0
DA104 - Beg Jazz Dance	1.0	Elective Take one of the following:	
DA105 - Beg Tap Dance	1.0	ART101 - History of Art, Prehistoric to Gothic	3.0
DA106 - Ballroom Dance	1.0	DA101 - Dance Appreciation	3.0
DA111 - Choreography	3.0	FTV107 - History of Film, Pre 1950	3.0
DA113 - World Dance-Ethnic Forms	1.0	MUS101 - Music Appreciation	3.0
DA115 - Dance Repertory	1.0	PHOT107 - History of Photography	3.0
DA116 - Dance Improvisation	1.0	THA111 - Theatre History I	3.0
DA122 - Int Ballet	1.0	KINF107 - Beginning Weight Lifting	1.0
DA123 - Int Modern Dance	1.0	KINF108 - Intermediate Weight Lifting	1.0
DA124 - Int Jazz Dance	1.0	General Elective	1.0
DA125 - Int Tap Dance	1.0	General Elective	2.0
DA202 - Advanced Ballet	1.0	General Elective	3.0
DA203 - Adv Modern Dance	1.0	Program Elective Take one of the following:	
DA204 - Adv Jazz Dance	1.0	ELTE105 - Introduction to Robotics	3.0
DA205 - Advanced Tap Dance	1.0	ELTE145 - Acceptability of Electronic Assemble	6.0
DFST105 - Introduction to American Deaf Culture	3.0	ELTE199 - Occupational Work Experience	1.0 - 8.0
HD100 - Basic Strategies For College Success	1.5	ELTE252 - Introduction to Avionics	3.0
HD101 - College and Life Management	3.0	ELTE254 - Radio Telephone License	3.0
HD102 - Soldiers to Scholars	3.0	Total Credits	8.0 - 23.0
HD103 - Career Planning	1.5	Fourth Semester Credits	
HD105 - Personal Development	3.0	Elective Take one of the following:	
HE120 - Stress Management	3.0	ART101 - History of Art, Prehistoric to Gothic	3.0
KINF150 - Beginning Soccer	1.0	DA101 - Dance Appreciation	3.0
		FTV107 - History of Film, Pre 1950	3.0
		MUS101 - Music Appreciation	3.0

PHOT107 - History of Photography	3.0	HIST111 - African-American History, 1877- Present	3.0
THA111 - Theatre History I	3.0	HIST113 - Women in American History	3.0
KINF107 - Beginning Weight Lifting	1.0	HIST114 - History of California	3.0
KINF108 - Intermediate Weight Lifting	1.0	HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
General Elective	1.0	HIST118 - American West History, 1806- Present	3.0
General Elective	2.0	HIST119 - History of Latin America and the Caribbean	3.0
General Elective	3.0	POLS101 - American Political Institutions	3.0
Area B - Social & Behavioral Sciences		POLS103 - Comparative Government	3.0
Take one of the following:		POLS200 - Introduction to Political Theory	3.0
AJ201 - Police in Society	3.0	POLS201 - Contemporary International Relations	3.0
AJ204 - Juvenile Procedures	3.0	POLS202 - Ethnic Politics in America	3.0
AJ206 - Criminology	3.0	POLS203 - The Judicial Process	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	PSY101 - General Psychology	3.0
ANTH103 - Archaeology and World Prehistory	3.0	PSY102 - Introduction to Alcohol and Other Drug Studies	3.0
ANTH112 - Ethnic Studies: Native North Americans	3.0	PSY201 - Introduction to Physiological Psychology	3.0
ANTH140 - Introduction to Archaeology	4.0	PSY212 - Human Sexuality	3.0
BUS101 - Introduction to Business	3.0	PSY230 - Social Psychology	3.0
CFE102 - The Developing Child	3.0	PSY232 - Theories of Personality	3.0
COMM217 - Gender and Communication	3.0	PSY233 - Personal and Social Adjustment	3.0
DFST105 - Introduction to American Deaf Culture	3.0	PSY234 - Abnormal Psychology	3.0
ECON100 - Survey of Economics	3.0	PSY235 - Child Psychology	3.0
ECON101 - Principles of Macroeconomics	3.0	PSY236 - Developmental Psychology	3.0
ECON102 - Principles of Microeconomics	3.0	SOC101 - Introduction to Sociology	3.0
ECON110 - Economics of the Underclass	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
GEOG105 - Cultural Geography	3.0	SOC110 - Ethnic Relations	3.0
GEOG106 - California Geography	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
GEOG110 - World Regional Geography	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	SOC115 - Modern Relationships and Family Life	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	Any GE Area B	3.0
HIST107 - U.S. History, 1607-1877	3.0	Area C - Humanities Take one of the following:	
HIST108 - U.S. History from 1865	3.0	ART100 - Art Appreciation	3.0
HIST110 - African-American History, 1450-1877	3.0		

ART101 - History of Art, Prehistoric to Gothic	3.0	ENGL227 - English Literature, 1750-Present	3.0
ART102 - History of Art, Renaissance to Modern	3.0	ENGL230 - World Literature 1	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0	ENGL231 - World Literature 2	3.0
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0	ENGL235 - Shakespeare and Culture	3.0
ART106 - History of Art: Asia	3.0	ENGL242 - Narrative and Culture	3.0
ART110 - Drawing	3.0	ENGL253 - African American Literature	3.0
ART113 - Painting I	3.0	ENGL256 - Latinx Literature	3.0
ART120 - Introduction to Printmaking	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ART132 - Introduction to Ceramics: Hand-Building	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
ART135 - Beginning Wheel-Thrown Ceramics	3.0	ENGL265 - Film: Text and Context	3.0
ART136 - Intermediate Wheel-Thrown Ceramics	3.0	ENGL279 - Science Fiction and Dystopian Literature	3.0
ART137 - Advanced Wheel-Thrown Ceramics	3.0	FREN101 - Elementary French 1	5.0
ART140 - Watercolor	3.0	FREN102 - Elementary French 2	5.0
ART145 - 2-D Design Basics	3.0	FREN201 - Intermediate French 1	5.0
ART150 - 3-D Design Basics	3.0	FREN202 - Intermediate French 2	5.0
ART210 - Drawing III	3.0	FREN203 - Advanced French	3.0
ART213 - Painting III	3.0	FTV101 - Introduction to Film	3.0
CHIN101 - Elementary Chinese I	5.0	FTV103 - Introduction to Television	3.0
CHIN102 - Elementary Chinese 2	5.0	FTV107 - History of Film, Pre 1950	3.0
CHIN201 - Intermediate Chinese	5.0	FTV108 - History of Film, 1950-Present	3.0
CHIN202 - Intermediate Chinese	5.0	FTV201 - Intercultural & Women's Film	3.0
COMM112 - Oral Interpretation	3.0	FTV203 - African-American Cinema	3.0
COMM114 - Art of Storytelling	3.0	FTV251 - Contemporary American Independent Film	4.0
DA101 - Dance Appreciation	3.0	FTV261 - Religion and Cinema	4.0
DFST101 - American Sign Language I	4.0	GER101 - Elementary German 1	5.0
DFST102 - American Sign Language II	4.0	GER102 - Elementary German 2	5.0
DFST105 - Introduction to American Deaf Culture	3.0	GER201 - Intermediate German 1	4.0
DFST106 - Introduction to Deaf Education	3.0	GER202 - Intermediate German 2	4.0
DFST201 - American Sign Language III	4.0	HIST115 - Cultural History of Mexico	3.0
DFST202 - American Sign Language IV	4.0	LATN101 - Elementary Latin 1	5.0
ENGL102 - Critical Thinking and Literature	3.0	LATN102 - Elementary Latin 2	5.0
ENGL111 - Creative Writing: Fiction	3.0	LATN201 - Intermediate Latin	5.0
ENGL112 - Creative Writing: Poetry	3.0	MUS101 - Music Appreciation	3.0
ENGL221 - American Literature 1400-1865	3.0	MUS105 - World Music	3.0
ENGL222 - American Literature 1865-Present	3.0	MUS111 - Fundamentals of Music (Music Theory I)	3.0
ENGL225 - English Literature, 800-1750	3.0	MUS131 - Piano I	2.0
		MUS132 - Piano II	2.0
		MUS151 - Music Theory II	3.0
		MUS153B - Musicianship II	2.0
		MUS185 - Concert Choir	1.0

MUS231 - Piano III	2.0	THA133 - Makeup for the Stage	3.0
MUS251A - Music Theory III	3.0	THA225 - Script Analysis	3.0
MUS251B - Music Theory IV	3.0	THA239 - Intercultural and Women's Theatre	3.0
MUS253A - Musicianship III	2.0	Any GE Area C	3.0
MUS253B - Musicianship IV	2.0	Area F -Diversity Studies Take one of the following:	
MUSC102 - History of Jazz	3.0	ANTH102 - Introduction to Cultural Anthropology	3.0
MUSC103 - History of Rock 'n Roll	3.0	ANTH112 - Ethnic Studies: Native North Americans	3.0
MUSC107 - History of Women in Rock Music	3.0	BUS212 - Women in Organizations	3.0
MUSC109 - The History of Motown Music	3.0	CFE116 - Diversity Early Childhood Ed	3.0
NF150 - Food and Culture	3.0	COMM114 - Art of Storytelling	3.0
PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0	COMM217 - Gender and Communication	3.0
PHIL106 - Introduction to Philosophy	3.0	COMM219 - Introduction to Intercultural Communication	3.0
PHIL108 - Philosophy of Religion	3.0	DFST105 - Introduction to American Deaf Culture	3.0
PHIL109 - World Religions	3.0	DFST106 - Introduction to Deaf Education	3.0
PHOT107 - History of Photography	3.0	ECON110 - Economics of the Underclass	3.0
PHTC101 - Beginning Black and White Photography	3.0	ENGL253 - African American Literature	3.0
PHTC150 - Beginning Color Photography	3.0	ENGL256 - Latinx Literature	3.0
PHTC201 - Advanced Black and White Photography	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
SPAN101 - Elementary Spanish 1	5.0	ENGL259 - Gender, Image, and Rhetoric	3.0
SPAN102 - Elementary Spanish 2	5.0	FTV201 - Intercultural & Women's Film	3.0
SPAN110SS - Spanish for Heritage Speakers I	5.0	FTV203 - African-American Cinema	3.0
SPAN201 - Intermediate Spanish 1	5.0	HE201 - Women's Health Issues	3.0
SPAN202 - Intermediate Spanish 2	5.0	HIST110 - African-American History, 1450-1877	3.0
SPAN210SS - Spanish for Heritage Speakers II	5.0	HIST111 - African-American History, 1877-Present	3.0
SPAN220SS - Composition and Conversation	5.0	HIST113 - Women in American History	3.0
THA101 - Introduction to Theatre	3.0	MUSC107 - History of Women in Rock Music	3.0
THA102 - Introduction to Stagecraft	3.0	MUSC108 - History of Hip Hop	3.0
THA103 - Introduction to Stage Lighting	3.0	POLS202 - Ethnic Politics in America	3.0
THA110 - Fundamentals of Acting	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
THA115A - Rehearsal and Performance: Drama	1.0	SOC110 - Ethnic Relations	3.0
THA116A - Rehearsal and Performance: Comedy	1.0	SOC116 - Sociology of Gender and Sexuality	3.0
THA117A - Rehearsal and Performance: Musical Theatre	1.0	THA239 - Intercultural and Women's Theatre	3.0
THA118A - Rehearsal and Performance: Children's Theatre	1.0	Any GE Area F	3.0
THA121A - Theatre Production	1.0	Total Credits	8.0 - 15.0
THA130 - Improvisation	3.0		

Program Outcomes

AS Electronics Technology

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.

Analyze, evaluate, troubleshoot, and repair electronics systems.

Evaluate, read and properly interpret industry standard electronics schematics and technical manuals to assess, maintain, and repair electronics systems.

Survey of Electronics

ELTE101:

4.0 Units

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) (GE: AVC Area A)

Introduction to Robotics

ELTE105:

3.0 Units

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)

Electronic Mathematics

ELTE110:

4.0 Units

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)

Direct Current and Alternating Current Principles

ELTE125:

5.0 Units

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)

Digital Circuit Analysis

ELTE130:

4.0 Units

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 use of IC specification books, troubleshooting, and use of test equipment. More advance soldering techniques are also included. (AVC)

Analog Circuit Analysis

ELTE135:

4.0 Units

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)

Microprocessor Systems I

ELTE140:

3.0 Units

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)

Acceptability of Electronic Assemble

ELTE145:

6.0 Units

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)

Microprocessor Systems

ELTE180:

6.0 Units

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)

Occupational Work Experience

ELTE199:

8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Microprocessor Systems II

ELTE220:

3.0 Units

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)

Electronic Communications I

ELTE235:

4.0 Units

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)

Introduction to Avionics

ELTE252:

3.0 Units

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)

Radio Telephone License

ELTE254:

3.0 Units

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)

Emergency Medical Technology

EMT Emergency Medical Technology is one course that prepares students to take the National Registry examination to become an EMT-1. A non-credit continuing education course, EMT Refresher, is offered annually through the Corporate and Community Services office and is fee-based. This course is dependent upon sufficient enrollment. 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.

Emergency Medical Technician

(EMT)

EMT101:

7.0 Units

Limitation on Enrollment: Students must obtain a specific medical exam, including TB testing and specific immunizations and/or proof of immunizations and a criminal background check, as detailed by the instructor. Students must be able to meet the physical demands of working on an emergency ambulance, such as eyesight, hearing, speech, bending, squatting, lifting, climbing stairs, or other physical requirements as may be necessary for such work. The student's final grade is contingent upon the successful completion of all mandatory requirements of this course by a specified deadline. Failure to complete all requirements will result in a grade of "D" in the course. Students must be 18 years of age. Course covers theory and techniques of emergency medical services to be performed by an EMT (EMT 1). Course is approved by the Los Angeles County EMS Agency. Upon successful completion of final written and skills exams, students and complete additional requirements, including a minimum of 24 hours of ambulance/clinical experience, 12 hours of additional homework including online FEMA courses, resume' creation, and National Registry Exam test review using an approved text. Upon successful completion of this course, a certificate of completion will be awarded by Antelope Valley College. Students are required to pass a national exam after completing this course in order to receive EMT certification. Students will be required to have or obtain BLS (Basic Life Support) for the Professional Rescuer/BLS for the Healthcare Provider CPR certification, information will be provided at the first class meeting. Class size in each lab section is limited to 10 students per instructor with a maximum, if staffed, of 20 students in each lab section. (CSU, AVC)

Engineering

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.

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 48)

Complete all of the following

Required Courses (Total 42)

Complete all of the following

ENGR110 - Introduction to Engineering 3
MATH150 - Calculus and Analytic Geometry 5
MATH160 - Calculus and Analytic Geometry 4
MATH220 - Linear Algebra 4
MATH230 - Introduction to Ordinary Differential Equations 4
MATH250 - Calculus and Analytic Geometry 4
PHYS110 - General Physics 4
PHYS120 - General Physics 4
ENGR230 - Circuit Analysis 4
CS140 - Assembly Language and Computer Architecture 3

CS150 - Discrete Structures 3

Computer Programming Options (Total 6)

Complete the following number of rules: 1

C/C++ Programming (Total 6)

Complete all of the following

CS120 - Programming and Algorithms in C/C++ 3

CS130 - Data Structures using C++ 3

Java Programming (Total 6)

Complete all of the following

CS121 - Programming and Algorithms in Java 3

CS131 - Data Structures using Java 3

Python Programming (Total 6)

Complete all of the following

CS122 - Programming and Algorithms in Python 3

CS132 - Data Structures using Python 3

Recommended Pathway

Computer Engineering

Term 1	Credits
Required Courses ENGR110 - Introduction to Engineering	3.0
Required Courses MATH150 - Calculus and Analytic Geometry	5.0
Area B - Social & Behavioral Sciences	3.0
POLS101 - American Political Institutions	
D1 - Language & Rationality - Communication and Analytical Thinking	3.0
ENGL101 - College Composition	
Total Credits	14.0
Term 2	Credits
Computer Programming Options	
Take one of the following:	
CS120 - Programming and Algorithms in C/C++	3.0
CS121 - Programming and Algorithms in Java	3.0
CS122 - Programming and Algorithms in Python	3.0
Area F - Diversity Studies HIST110 - African-American History, 1450-1877	3.0
Required Courses MATH160 - Calculus and Analytic Geometry	4.0
Required Courses PHYS110 - General Physics	4.0
Total Credits	14.0
Term 3	Credits
Area C - Humanities ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
Total Credits	3.0
Term 4	Credits
Required Courses MATH250 - Calculus and Analytic Geometry	4.0
Required Courses PHYS120 - General Physics	4.0
Required Courses CS140 - Assembly Language and Computer Architecture	3.0
Computer Programming Options	
Take one of the following:	
CS130 - Data Structures using C++	3.0
CS131 - Data Structures using Java	3.0
CS132 - Data Structures using Python	3.0
Total Credits	14.0
Term 5	Credits
Required Courses MATH220 - Linear Algebra	4.0

Required Courses MATH230 - Introduction to Ordinary Differential Equations	4.0
Required Courses ENGR230 - Circuit Analysis	4.0
Required Courses CS150 - Discrete Structures	3.0
Total Credits	15.0

Program Outcomes

AS Computer Engineering

Apply knowledge of math, science, and engineering to identify, define, and solve computer engineering related problems.

Design and perform tests/experiments, analyze and interpret data, and prepare technical reports as a member of a group.

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 48)

Complete the following number of credits: 48

- ENGR110 - Introduction to Engineering 3
- ENGR125 - Programming and Problem-Solving in MATLAB 4
- ENGR185 - Digital Logic and Design 4
- ENGR230 - Circuit Analysis 4
- MATH150 - Calculus and Analytic Geometry 5
- MATH160 - Calculus and Analytic Geometry 4
- MATH230 - Introduction to Ordinary Differential Equations 4
- MATH250 - Calculus and Analytic Geometry 4
- PHYS110 - General Physics 4
- PHYS120 - General Physics 4
- PHYS211 - General Physics 5

Programming Choices (Total 3)

Complete the following number of rules: 1

C/C++ Programming (Total 3)

Complete all of the following

- CS120 - Programming and Algorithms in C/C++ 3
- Java Programming (Total 3)**

Complete all of the following

- CS121 - Programming and Algorithms in Java 3

Python Programming (Total 3)

Complete all of the following

- CS122 - Programming and Algorithms in Python 3

Recommended Pathway

Electrical Engineering

Term 1	Credits
Electrical Engineering AS ENGR110 - Introduction to Engineering	3.0
Electrical Engineering AS MATH150 - Calculus and Analytic Geometry	5.0
Area B - Social & Behavioral Sciences	3.0
POLS101 - American Political Institutions	
D1 - Language & Rationality - Communication and Analytical Thinking	3.0
ENGL101 - College Composition	
Total Credits	14.0
Term 2	Credits
Electrical Engineering AS ENGR125 - Programming and Problem-Solving in MATLAB	4.0
Electrical Engineering AS MATH160 - Calculus and Analytic Geometry	4.0
Electrical Engineering AS PHYS110 - General Physics	4.0
Programming Choices Take one of the following:	
CS120 - Programming and Algorithms in C/C++	3.0
CS121 - Programming and Algorithms in Java	3.0
CS122 - Programming and Algorithms in Python	3.0
Total Credits	15.0
Term 3	Credits
Electrical Engineering AS ENGR185 - Digital Logic and Design	4.0
Electrical Engineering AS MATH250 - Calculus and Analytic Geometry	4.0
Electrical Engineering AS PHYS120 - General Physics	4.0
Area C - Humanities THA101 - Introduction to Theatre	3.0
Total Credits	15.0
Term 4	Credits
Electrical Engineering AS ENGR230 - Circuit Analysis	4.0
Electrical Engineering AS MATH230 - Introduction to Ordinary Differential Equations	4.0
Electrical Engineering AS PHYS211 - General Physics	5.0

Area F - Diversity Studies FTV201 - Intercultural & Women's Film	3.0
Total Credits	16.0

Program Outcomes
AS Electrical Engineering

Apply knowledge of math, science, and engineering to identify, define, and solve electrical engineering related problems.

Design and perform tests/experiments, analyze and interpret data, and prepare technical reports as a member of a group.

Effectively employ techniques, skills, and computational tools necessary for electrical engineering.

Engineering Fundamentals

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 25 - 28)

Complete all of the following

Required Courses (Total 19)

Complete all of the following

- ENGR110 - Introduction to Engineering 3
- MATH150 - Calculus and Analytic Geometry 5
- MATH160 - Calculus and Analytic Geometry 4
- PHYS110 - General Physics 4
- ENGL101 - College Composition 3
- Electives (Total 6 - 9)**
- Complete the following number of credits: 6-9**
- CHEM110 - General Chemistry 5
- CS110 - Introduction to Programming Concepts and Methodologies 3
- CS120 - Programming and Algorithms in C/C++ 3
- CS121 - Programming and Algorithms in Java 3
- CS122 - Programming and Algorithms in Python 3
- CS123 - Programming and Algorithms in C# 3
- ENGR125 - Programming and Problem-Solving in MATLAB 4

Recommended Pathway

Engineering Fundamentals Certificate

Term 1	Credits
Required Courses ENGR110 - Introduction to Engineering	3.0

Required Courses ENGL101 - College Composition	3.0
Required Courses MATH150 - Calculus and Analytic Geometry	5.0
Total Credits	11.0

Term 2 Credits

Required Courses MATH160 - Calculus and Analytic Geometry	4.0
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Required Courses PHYS110 - General Physics	4.0
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Electives Take one of the following:

CHEM110 - General Chemistry	5.0
CS110 - Introduction to Programming Concepts and Methodologies	3.0
CS120 - Programming and Algorithms in C/C++	3.0
CS121 - Programming and Algorithms in Java	3.0
CS122 - Programming and Algorithms in Python	3.0
CS123 - Programming and Algorithms in C#	3.0
ENGR125 - Programming and Problem-Solving in MATLAB	4.0

Electives Take one of the following:

CHEM110 - General Chemistry	5.0
CS110 - Introduction to Programming Concepts and Methodologies	3.0
CS120 - Programming and Algorithms in C/C++	3.0
CS121 - Programming and Algorithms in Java	3.0
CS122 - Programming and Algorithms in Python	3.0
CS123 - Programming and Algorithms in C#	3.0
ENGR125 - Programming and Problem-Solving in MATLAB	4.0

Total Credits	14.0 - 18.0
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Program Outcomes

Engineering Fundamentals Certificate

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.

Demonstrate the ability to write computer programs and apply them towards solving engineering problems.

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 48)

Complete the following number of credits: 48

CHEM110 - General Chemistry 5
 ENGR110 - Introduction to Engineering 3
 ENGR125 - Programming and Problem-Solving in MATLAB 4
 ENGR130 - Materials Science 4
 ENGR140 - Engineering 3D Graphics 3
 ENGR210 - Statics 4
 MATH150 - Calculus and Analytic Geometry 5
 MATH160 - Calculus and Analytic Geometry 4
 MATH230 - Introduction to Ordinary Differential Equations 4
 MATH250 - Calculus and Analytic Geometry 4
 PHYS110 - General Physics 4
 PHYS120 - General Physics 4

Recommended Pathway

Term 1	Credits
Mechanical Engineering AS CHEM110 - General Chemistry	5.0
Mechanical Engineering AS ENGR110 - Introduction to Engineering	3.0
Mechanical Engineering AS MATH150 - Calculus and Analytic Geometry	5.0
Area F - Diversity Studies FTV201 - Intercultural & Women's Film	3.0
Total Credits	16.0
Term 2	Credits
D1 - Language & Rationality - Communication and Analytical Thinking ENGL101 - College Composition	3.0
Mechanical Engineering AS ENGR125 - Programming and Problem-Solving in MATLAB	4.0
Mechanical Engineering AS MATH160 - Calculus and Analytic Geometry	4.0
Mechanical Engineering AS PHYS110 - General Physics	4.0
Total Credits	15.0

Summer	Credits
Area B - Social & Behavioral Sciences POLS101 - American Political Institutions	3.0
Total Credits	3.0
Term 3	Credits
Mechanical Engineering AS ENGR140 - Engineering 3D Graphics	3.0
Mechanical Engineering AS MATH230 - Introduction to Ordinary Differential Equations	4.0
Mechanical Engineering AS PHYS120 - General Physics	4.0
Area C - Humanities THA101 - Introduction to Theatre	3.0
Total Credits	14.0
Term 4	Credits
Mechanical Engineering AS ENGR210 - Statics	4.0
Mechanical Engineering AS MATH250 - Calculus and Analytic Geometry	4.0
Mechanical Engineering AS ENGR130 - Materials Science	4.0
Total Credits	12.0

Program Outcomes

AS Mechanical Engineering

Apply knowledge of math, science, and engineering to identify, define, and solve mechanical engineering related problems.

Design and perform tests/experiments, analyze and interpret data, and prepare technical reports as a member of a group.

Effectively employ techniques, skills, and computational tools necessary for mechanical engineering.

Introduction to Engineering

ENGR110:

3.0 Units

Prerequisite: Completion of MATH 135 or placement by multiple measures. 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) (CSU, UC, AVC)

Programming and Problem-Solving in MATLAB

ENGR125:

4.0 Units

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)

Materials Science

ENGR130:

4.0 Units

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)

Engineering 3D Graphics

ENGR140:

3.0 Units

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)

Digital Logic and Design

ENGR185:

4.0 Units

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)

Occupational Work Experience

ENGR199:

8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Statics

ENGR210:

4.0 Units

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) (UC, CSU, AVC)

Circuit Analysis

ENGR230:

4.0 Units

Prerequisite: Completion of PHYS 120. Corequisite: Completion 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) (CSU, UC, AVC)

English

“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.

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 an Associate in Arts in English for Transfer (AA-T in English) degree a student must complete the following: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education---Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is an acceptable grade for courses in the major.

Program Requirements

English AA-T (Total 18)

Complete all of the following

Required Courses (Total 6)

Complete the following number of credits: 6

ENGL102 - Critical Thinking and Literature 3

ENGL103 - Critical Thinking and Research 3

Required Electives A (Total 6)

Complete the following number of credits: 6

ENGL221 - American Literature 1400-1865 3

ENGL222 - American Literature 1865-Present 3

ENGL225 - English Literature, 800-1750 3

ENGL227 - English Literature, 1750-Present 3

ENGL230 - World Literature 1 3

ENGL231 - World Literature 2 3

Required Electives B (Total 3)

Complete the following number of credits: 3

OR Any LIST A course not already used. 0

ENGL111 - Creative Writing: Fiction 3

ENGL112 - Creative Writing: Poetry 3

ENGL242 - Narrative and Culture 3

Required Electives C (Total 3)

Complete the following number of credits: 3

OR Any LIST A or B course not already used. 0

ENGL235 - Shakespeare and Culture 3

ENGL253 - African American Literature 3

ENGL256 - Latinx Literature 3

ENGL257 - Ethnic Studies: Native American Studies in Literature 3

ENGL259 - Gender, Image, and Rhetoric 3

ENGL265 - Film: Text and Context 3

ENGL279 - Science Fiction and Dystopian Literature 3

Recommended Pathway

Term 1	Credits
A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
A-2 Written Communication ENGL101 - College Composition	3.0
B-4 Mathematics/Quantitative Reasoning MATH110 - Mathematics for Liberal Arts Students	3.0
C-1 Arts (art, Dance, Music, Theatre) ART100 - Art Appreciation	3.0
E. Lifelong Learning and Self-Development HD101 - College and Life Management	3.0
Total Credits	15.0
Term 2	Credits
A-3 Critical Thinking ENGL102 - Critical Thinking and Literature	3.0
Required Electives A ENGL231 - World Literature 2	3.0
B-1 Physical Science GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
C-2 Humanities ENGL222 - American Literature 1865-Present	3.0
D. Social Sciences POLS101 - American Political Institutions	3.0

Total Credits	15.0
Term 3	Credits
Required Courses ENGL103 - Critical Thinking and Research	3.0
Required Electives A ENGL221 - American Literature 1400-1865	3.0
B-2 Life Science ANTH101 - Introduction to Biological Anthropology	3.0
B-3 Laboratory Activity ANTH101L - Biological Anthropology Lab	1.0
F. Ethnic Studies Ethnic Studies Course	3.0
Elective PSY101 - General Psychology	3.0
Total Credits	16.0
Term 4	Credits
Required Electives B Take one of the following:	
OR Any LIST A course not already used.	0.0
ENGL111 - Creative Writing: Fiction	3.0
ENGL112 - Creative Writing: Poetry	3.0
ENGL242 - Narrative and Culture	3.0
Required Electives C Take one of the following:	
OR Any LIST A or B course not already used.	0.0
ENGL235 - Shakespeare and Culture	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
ENGL265 - Film: Text and Context	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0
D. Social Sciences HIST107 - U.S. History, 1607-1877	3.0
C-1 Arts (art, Dance, Music, Theatre) COMM114 - Art of Storytelling	3.0
Elective General Elective	2.0
Total Credits	8.0 - 14.0

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.

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.

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.

Writing Support

ENGL090:

0.0 Units

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 090 is one of three 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.

Academic Strategies

ENGL100A:

4.0 Units

Advisory: Completion of ESL course sequence. This course is designed to assist and empower students as they encounter and navigate different college learning environments. It emphasizes the foundational writing skills needed to succeed in these environments, as well as the importance of critical awareness, reading skills, and textual analysis. Also included is a brief introduction to research strategies. Throughout the course, students will compose, revise, and collect various writings that will determine their eligibility for ENGL 101, Academic Composition. NOTE: No letter grade will be given for this course; students will receive only "pass" or "no pass" based solely on the score of their eligible final portfolio, a collection of their work that is evaluated by faculty readers using the departmental rubric. (Credit course not applicable to the associate degree and certificate programs.)

Program Outcomes

AA-T English

College Composition

ENGL101:

3.0 Units

Prerequisite: Placement by multiple measures. This course is designed to promote standard college-level writing and awareness of academic formats, conventions, and expectations. Readings and written assignments encourage and facilitate the use of critical thinking skills, textual analysis, rhetorical strategies, and informational literacy. The course includes a documented research paper and prepares students for academic coursework across the disciplines and in transfer institutions. (C-ID: ENGL 100) (UC, CSU, AVC) (GE IGETC Area 1A, CSU Area A2, AVC Area D1)

Composition Strategies

ENGL101C

1.0 Units

Corequisite: Concurrent enrollment in ENGL 101. This writing lab is designed to support instruction in English 101, offering students further practice and application of the skills needed for expressing ideas effectively and confidently, whether in sentence, paragraph, or essay form. NOTE: No letter grade will be given for this course; students will receive only "pass" or "no pass." (Credit course not applicable to the associate degree and certificate programs.) (AVC)

Critical Thinking and Literature

ENGL102:

3.0 Units

Prerequisite: Completion of ENGL 101. Using literature and literary analysis as the subject matter, this advanced composition course offers students instruction and practice in critical reading, thinking, and writing. Students will learn to create effective arguments that demonstrate their ability to reason logically, to recognize the structural, rhetorical, and aesthetic features of both primary and secondary texts, and to engage and converse with a variety of perspectives and approaches from different literary genres and traditions. (C-ID: ENGL 120) (UC, CSU, AVC) (GE: IGETC Area 1B, CSU Area A3, C2, AVC Area C, D2)

Critical Thinking and Research

ENGL103:

3.0 Units

Prerequisite: Completion of ENGL 101. This advanced composition course gives students instruction and practice in critical thinking and argumentative writing skills through a synthesis of research, an awareness of language, and a study of the basic principles of logical analysis. Students will learn to interpret and analyze complex texts, write concisely and cogently, conduct research with efficiency and thoroughness, and expertly incorporate secondary sources in support of their own analytical arguments. (C-ID: ENGL 105) (UC, CSU, AVC) (GE: IGETC Area 1B, CSU Area A3, AVC Area D2)

Creative Writing: Fiction

ENGL111:

3.0 Units

Prerequisite: Completion of ENGL 101. Using a workshop format, this course examines the literary genre and traditions of fiction as they relate to the technical skills needed to produce quality student writing. Emphasis is on the structural and aesthetic features of the fiction genre, as well as the evaluation of such, including the standards of professional editors and publishers. Students will read examples of literary fiction, as well as student writing produced for a critically adept audience. (UC, CSU, AVC) (GE: CSU Area C2, AVC Area C)

Creative Writing: Poetry

ENGL112:

3.0 Units

Prerequisite: Completion of ENGL 101. Using a workshop format, this course examines the literary genre and traditions of poetry as they relate to the technical skills needed to produce quality student writing. Emphasis is on the structural and aesthetic features of the poetry genre, as well as the evaluation of such, including the standards of professional editors and publishers. Students will read examples of literary verse, as well as student writing produced for a critically adept audience. (UC, CSU, AVC) (GE: CSU Area C2, AVC Area C)

Introduction to Technical Communication

ENGL115:

3.0 Units

Prerequisite: Completion of 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)

American Literature 1400-1865

ENGL221:

3.0 Units

Prerequisite: Completion of ENGL 101. 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) (GE: IGETC Area 3B, CSU Area C2, AVC Area C)

American Literature 1865-Present

ENGL222:

3.0 Units

Prerequisite: Completion of ENGL 101. 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) (GE: IGETC Area 3B, CSU Area C2, AVC Area C)

English Literature, 800-1750

ENGL225:

3.0 Units

Prerequisite: Completion of ENGL 101. 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) (GE: IGETC Area 3B, CSU Area C2, AVC Area C)

English Literature, 1750-Present

ENGL227:

3.0 Units

Prerequisite: Completion of ENGL 101. 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) (GE: IGETC Area 3B, CSU Area C2, AVC Area C)

World Literature 1

ENGL230:

3.0 Units

Prerequisite: Completion of ENGL 101. 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) (GE: IGETC Area 3B, CSU Area C2, AVC Area C)

World Literature 2

ENGL231:

3.0 Units

Prerequisite: Completion of ENGL 101. 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) (GE: IGETC Area 3B, CSU Area C2, AVC Area C)

Shakespeare and Culture

ENGL235:

3.0 Units

Prerequisite: Completion of ENGL 101. This course studies the works of William Shakespeare, focusing on representative plays, with emphasis upon their structure, their linguistic artistry, their connection to his poetic works, and their impact on culture. Attention is given both to the historical contexts (Shakespeare's life; the philosophical, aesthetic, cultural, and sociological realities of the Elizabethan age; the conventions of its theatre) and to the relevance of Shakespeare's work to today's audiences. The course allows students many opportunities for critical analysis, through reading, writing, class discussions, and the viewing of relevant film texts. (UC, CSU, AVC) (GE: IGETC Areas 3A, 3B, CSU Area C2, AVC Area C)

Narrative and Culture

ENGL242:

3.0 Units

Prerequisite: Completion of ENGL 101. The course is designed to familiarize students with narrative fiction as a literary art form and as unique cultural expression. Students gain a critical awareness of the historical, social, and ideological issues which helped shape the ideas that inform 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 perspectives, and filmic interpretations, as students develop an academic appreciation of the vital role that narrative form has played in the human experience. (UC, CSU, AVC) (GE: IGETC Area 3B, CSU Area C2, AVC Area C)

African American Literature

ENGL253:

3.0 Units

Prerequisite: Completion of ENGL 101. 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) (GE: IGETC Area 3B, CSU Area C2, AVC Areas C, F)

Latinx Literature

ENGL256:

3.0 Units

Prerequisite: Completion of ENGL 101. 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 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) (GE: IGETC Area 3B, CSU Area C2, AVC Areas C, F)

Ethnic Studies: Native American Studies in Literature

ENGL257:

3.0 Units

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) (GE: IGETC Area 3B, CSU Areas C2, F, AVC Areas C, F)

Gender, Image, and Rhetoric

ENGL259:

3.0 Units

Prerequisite: Completion of ENGL 101. This course gives students practice in the reading and analysis of gendered images, as constructed and reinforced by text, context, and culture. Through close study of various genres and media--myth, fiction, nonfiction, film, high art, and popular cultural materials--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 theory. (UC, CSU, AVC) (GE: IGETC Area 3B, CSU Area C2, AVC Areas C, F)

Film: Text and Context

ENGL265:

3.0 Units

Prerequisite: Completion of ENGL 101. This course examines film as both a cultural expression and an artistic medium that can be analyzed in relation to the structural, aesthetic, and rhetorical features of literary works. Students will view selected films, read literary texts that relate to or correspond with these films, utilize applicable critical materials, and respond through academic discussions, analytical essays, and research-based assignments. In doing so, students will gain a deeper and more nuanced understanding of film as text, as well as gaining insight into the contexts that enrich, inform, and help explain the cultural appeal and power of visual narrative. (UC, CSU, AVC) (GE: IGETC Area 3B, CSU Area C2, AVC Area C)

Science Fiction and Dystopian Literature

ENGL279:

3.0 Units

Prerequisite: Completion of ENGL 101. This course is designed to increase students' knowledge of the science fiction genre. Emphasis will be on the study of literature--mostly novels and short fiction-- that depicts futuristic worlds, visionary scientific endeavor, and conflicts between humans, aliens, and sentient technology. Students will study the history, emerging trends, and the relevant contemporary issues in science fiction, including dystopia vs. utopia; artificial intelligence' current theory concerning technology, cloning and physical science; human psychology in a futuristic environment; the rise of cyberpunk and new alternate reality literature within the genre; and examples of speculative fiction that relate to or comment on social issues and events of the present. (UC, CSU, AVC) (GE: IGETC Area 3B, CSU Area C2, AVC Area C)

Applied Technical Writing

ENGL315:

3.0 Units

Limitation on Enrollment: Must be selected as part of the AFMT BS Degree cohort 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. (AVC)

English as a Second Language

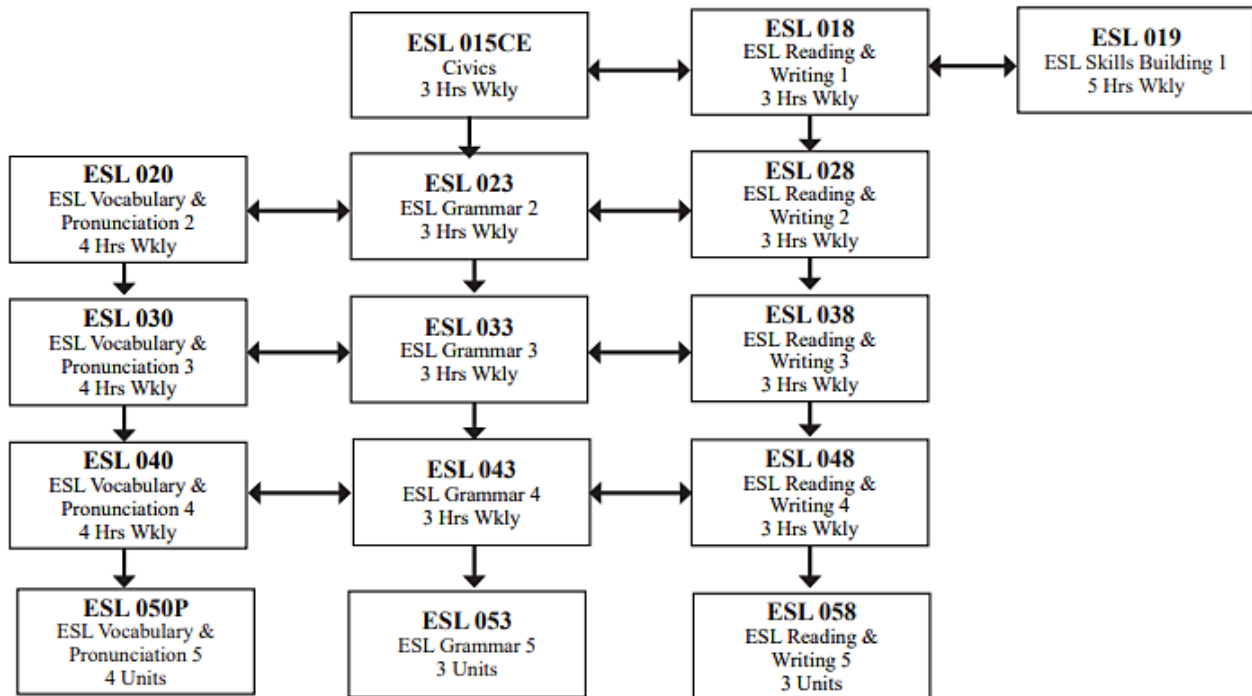
The English as a Second Language program is designed to enable non-native speakers to improve English speaking, listening, reading, and writing skills. These free, non-credit courses serve students, adults, and professionals who want to improve their language skills or focus on a specific aspect of English (such as grammar, conversation, or academic writing). The ESL program offers five levels with the opportunity to earn a High Intermediate Certificate of Competency 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

For additional guidance on the ESL sequences, please see below.

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 not transferable to CSU or UC and are not degree applicable.

1. ESL students are encouraged to take the assessment test to determine initial course placement.
2. Students are advised to consult with a counselor when selecting ESL courses.
3. Level 5 courses are offered for credit.
4. Students enrolled in ESL 048 and ESL 058 must already have adequate grammar skills.
5. ESL 019 Skills Building is an introductory integrated skills course in which students practice their listening, speaking, reading, writing, vocabulary, grammar, and pronunciation skills.

Advanced ESL Certificate (Noncredit)

The Advanced ESL Certificate of Competency is awarded to ESL students who successfully complete the three Level 5 ESL courses (ESL 050P, ESL 053, and ESL 058). The advisory skills are those of the three Level 4 courses (ESL 040, ESL 043, and ESL 048), 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 101) 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. The objectives of this certificate include advanced reading comprehension of college level texts; extended essay production specifically focusing on academic required genres including descriptive, expository, argumentative, and narrative; identification and production (both oral and written) of the advanced grammar structures necessary for academic writing and speaking; aurally and orally advanced academic vocabulary in written and/or oral discourse; and aural recognition and oral production of advanced vowel and consonant segments, as well as the suprasegmentals of stress, intonation, reductions, and linking. The goal of the Advanced Noncredit ESL Certificate of Competency is to recognize ESL students who have successfully completed Level 5 (Advanced) and mark their preparation for subsequent academic transfer preparation. Emphasis is placed on academic preparation for degree completion courses, including, but not limited to, the foundational General Education courses of English 101 (preceded by the ESL preparation courses of ESL 053 Grammar 5 and ESL 058 Reading & Writing 5) and Communication 101 (preceded by the ESL preparation course of ESL 050P). The certificate will provide training in skills necessary to be successful in transfer level credit courses that focus on degree completion. The Advanced Noncredit ESL Certificate of Competency meets AVC's mission to provide a quality, comprehensive education to a diverse population of learners. As a Hispanic Serving Institution, the certificate also contributes to the mission of expanding educational opportunities for and improving the academic achievement of Hispanic students by offering courses

designed to prepare this population for an academic transfer path.

Program Requirements

Required Courses (Total 0)

Complete all of the following

- ESL050P - ESL Vocabulary and Pronunciation 5 0
- ESL053 - ESL Grammar 5 0
- ESL058 - ESL Reading and Writing 5 0

Recommended Pathway

Advanced ESL Certificate

Term 1	Hours
Required Courses Take one of the following:	
ESL050P - ESL Vocabulary and Pronunciation 5	0.0
ESL053 - ESL Grammar 5	0.0
ESL058 - ESL Reading and Writing 5	0.0
Total Hours	0.0
Term 1	
Required Courses ESL050P - ESL Vocabulary and Pronunciation 5	
	0.0
Required Courses ESL053 - ESL Grammar 5	
	0.0
Required Courses ESL058 - ESL Reading and Writing 5	
	0.0
Total Hours	0.0
Term 1	
Required Courses Take one of the following:	
ESL050P - ESL Vocabulary and Pronunciation 5	0.0
ESL053 - ESL Grammar 5	0.0
ESL058 - ESL Reading and Writing 5	0.0
Total Hours	0.0
Term 2	
Required Courses Take one of the following:	
ESL050P - ESL Vocabulary and Pronunciation 5	0.0
ESL053 - ESL Grammar 5	0.0
ESL058 - ESL Reading and Writing 5	0.0
Total Hours	0.0
Term 3	
Required Courses Take one of the following:	
ESL050P - ESL Vocabulary and Pronunciation 5	0.0
ESL053 - ESL Grammar 5	0.0
ESL058 - ESL Reading and Writing 5	0.0
Total Hours	0.0

Program Outcomes

Advanced ESL Certificate

Recognize aurally and orally produce the segmental, suprasegmental, and lexical components of advanced level ESL.

Produce written and/or oral discourse using proper grammar and parts of speech, demonstrating literacy skills of advanced level ESL.

High Intermediate ESL Cert

Recognize aurally and orally produce the segmental, suprasegmental, and lexical components of high-intermediate English.

Produce written and/or oral discourse using proper grammar and parts of speech, demonstrating literacy skills at the high-intermediate level of English.

High Intermediate ESL Certificate (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

Required Courses (Total 0)

Complete the following number of hours: 0

ESL040 - ESL Vocabulary & Pronunciation 4 0

ESL043 - ESL Grammar 4 0

ESL048 - ESL Reading and Writing 4 0

Program Electives : Choose one course (Total 0)

Complete the following number of hours: 0

ESL015CE - Civics 0

ESL018 - ESL Reading and Writing 1 0

ESL019 - ESL Skills Building 1 0

ESL020 - ESL Vocabulary & Pronunciation 2 0

ESL023 - ESL Grammar 2 0

ESL028 - ESL Reading and Writing 2 0

ESL030 - ESL Vocabulary & Pronunciation 3 0

ESL033 - ESL Grammar 3 0

ESL038 - ESL Reading and Writing 3 0

Recommended Pathway

High Intermediate ESL Cert

Term 1

Hours

Program Electives : Choose one course

Take one of the following:

ESL015CE - Civics 0.0

ESL018 - ESL Reading and Writing 1 0.0

ESL019 - ESL Skills Building 1 0.0

ESL020 - ESL Vocabulary & Pronunciation 2 0.0

ESL023 - ESL Grammar 2 0.0

ESL028 - ESL Reading and Writing 2 0.0

ESL030 - ESL Vocabulary & Pronunciation 3 0.0

ESL033 - ESL Grammar 3 0.0

ESL038 - ESL Reading and Writing 3 0.0

Total Hours 0.0

Term 2

Hours

Required Courses ESL040 - ESL Vocabulary & Pronunciation 4 0.0

Required Courses ESL043 - ESL Grammar 4 0.0

Required Courses ESL048 - ESL Reading and Writing 4 0.0

Total Hours 0.0

Program Outcomes

High Intermediate ESL Cert

Recognize aurally and orally produce the segmental, suprasegmental, and lexical components of high-intermediate English.

Produce written and/or oral discourse using proper grammar and parts of speech, demonstrating literacy skills at the high-intermediate level of English.

Civics

ESL015CE:

0.0 Units

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 Reading and Writing 1

ESL018:

0.0 Units

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 Skills Building 1

ESL019:

0.0 Units

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 Vocabulary & Pronunciation 2

ESL020:

0.0 Units

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 Grammar 2

ESL023:

0.0 Units

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 Reading and Writing 2

ESL028:

0.0 Units

Advisory: Completion of ESL 018 or Eligibility for ESL 028. 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 Vocabulary & Pronunciation 3

ESL030:

0.0 Units

Advisory: Completion of ESL 020 or Eligibility for ESL 030. 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 Grammar 3

ESL033:

0.0 Units

Advisory: Completion of ESL 023 or Eligibility for ESL 033. 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 Reading and Writing 3

ESL038:

0.0 Units

Advisory: Completion of ESL 028 or Eligibility for ESL 038. 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 Vocabulary & Pronunciation 4

ESL040:

0.0 Units

Advisory: Completion of ESL 030 or Eligibility for ESL 040. 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 Grammar 4

ESL043:

0.0 Units

Advisory: Completion of ESL 033 or Eligibility for ESL 043. 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 Reading and Writing 4

ESL048:

0.0 Units

Advisory: Completion of ESL 038 or Eligibility for ESL 048. 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 Vocabulary and Pronunciation

5

ESL050P:

0.0 Units

Advisory: Completion of ESL 040. 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 Grammar 5

ESL053:

0.0 Units

Advisory: Completion of ESL 043. 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; Modals of Necessity and Certainty; Count and Non-Count Nouns; Articles; Noun Clause; Adjective Clauses; and Passive Voice). 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 Reading and Writing 5

ESL058:

0.0 Units

Advisory: Completion of ESL 048. 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 of 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)

VESL Welding

ESL060:

0.0 Units

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)

Ethnic Studies

Ethnic Studies is the multi-disciplinary, humanistic study of American racial and ethnic groups. Ethnic Studies courses may examine theories of identity and/or the historical, sociological, literary, cultural, economic, and political forces that emanate from a perspective of race antiracism in America. These experiences affecting Black/African Americans, Asian Americans, Chicanos, Latina and Latino Americans, Mexican Americans, Native Americans, and other ethnic minorities provide a cultural framework to study how race, ethnicity, and inequality in America have and continue to affect the American way of life.

Distinctive Features: AB 1460 passed in August 2020. This law requires that, as an undergraduate graduation requirement, the completion of, at minimum, one three-unit semester or four-quarter unit course in ethnic studies (CSU Area F). New students starting at Antelope Valley College (or any CCC or CSU) beginning Fall 2021 are required to complete 3 semester or 4 quarter units for CSU GE Certification. Students who started at Antelope Valley College (or any CCC or CSU) prior to Fall 2021 and have maintained continuous enrollment are not required to complete CSU Area F for CSU GE Certification.

Ethnic Studies: Native American Studies in Literature

ENGL257:

3.0 Units

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) (GE: IGETC Area 3B, CSU Areas C2, F, AVC Areas C, F)

Introduction to Ethnic Studies

ETHN101:

3.0 Units

Advisory: ENGL 101 This is an ethnic studies course. This course offers foundational knowledge of, and sensitivity to, cultural and historical experiences of ethnic/minority groups in the United States.

This course is an intersectional investigation that focuses on the histories, cultures, and experiences of Native Americans, African Americans, Latinx/Chicanx peoples, Asian Americans, and Southwest Asian/Arab Americans. This course critically examines the existing scholarship on race, ethnicity, nationality, colonization, and de-colonization within the larger interdisciplinary field of comparative cultural and ethnic studies. It explores racial/ethnic relations regarding topics such as immigration, incarceration, policy, economy, and white privilege while contextualizing social and historical events via an intersectional lens. (CSU, AVC)

Introduction to Latinx/Chicanx Studies

ETHN102:

3.0 Units

Advisory: Completion of ENGL101 This is an ethnic studies course. This course examines U.S. Latina/o/x and Chicana/o/x societies from a comparative, interdisciplinary approach in the context of the United States. Course discussion topics include: race and racism, ethnicity, indigenous culture, colonialism, imperialism, war, genocide, migration, diaspora, transnationalism, citizenship, identity, language, community, social movements, resistance, liberation, and sovereignty. An overview of modern Latin American history and indigenous and African cultures connected to the Latinx diaspora, including Chicana/o/x, Mexican, Central American, South American, and Caribbean-American communities will be discussed. Additionally, in exploring the histories of hemispheric Americas from a local, regional and global perspective, this course will trace social movements of Latina/o/x and Chicana/o/x communities and cultures. (CSU, AVC)

Introduction to African American Studies

ETHN103:

3.0 Units

This is an ethnic studies course. This course will introduce students to the field of African American Studies. It will explore African American and/or Black history, culture, and heritage from the 1600s to present day. Students will analyze and investigate the lived experiences from the African American and/or Black perspective. Additionally, students will examine and critically discuss intersectional oppression of race, gender and ethnicity; as well as the economic, political, racial, ethnic, artistic, cultural, and intellectual experiences that have impacted African American and/or Black peoples' lives. It includes an examination of key historical movements in the struggle for equity and liberation of African American and/or Black people in the United States and the world. (CSU, AVC)

Film and Television

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.

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, televisions 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 Science in Film, Television and 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. The production program 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. The program emphasizes the exploration of the student's personal creative voice through "hands-on" filmmaking. 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 Science 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. The Associate in Science 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 an Associates in Arts in Film, Television, and Electronic Media for Transfer (AA-T in Film, Television, and Electronic Media) degree a student must complete the following: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a "C" (or "P") or better in all courses required for the major or area of emphasis.

Program Requirements

Film, TV, Electronic AS-T (Total 19)

Complete all of the following

Required Courses (Total 6)

Complete the following number of credits: 6

FTV101 - Introduction to Film 3

FTV134 - Introduction to Screenwriting 3

Required Electives A (Total 7)

Complete the following number of credits: 7

FTV121 - Beginning Motion Picture Production 4

FTV241 - Beginning Audio Production 3

Required Electives B (Total 3)

Complete the following number of credits: 3

FTV103 - Introduction to Television 3

FTV107 - History of Film, Pre 1950 3

FTV108 - History of Film, 1950-Present 3

PHTC101 - Beginning Black and White Photography 3

COMM105 - Introduction to Mass Communication 3

Required Electives C: Select a minimum of 3 units from the following or any course from List B not already used. (Total 3)

Complete the following number of credits: 3

FTV155 - Film Festival Analysis 1

FTV201 - Intercultural & Women's Film 3

FTV203 - African-American Cinema 3

FTV215 - Directing for Film and Video 3

FTV220 - Advanced Screenwriting 3

FTV230 - Digital Cinematography 4

FTV242 - Writing & Pre-Production of the Short Film 4

FTV244 - Production and Post-Production of the Short Film 4

DM110 - Motion Graphics 3

Recommended Pathway	
Film, TV, Electronic AS-T	
Semester 1	Credits
Film, TV, Electronic AS-T FTV101 - Introduction to Film	3.0
Required Courses FTV134 - Introduction to Screenwriting	3.0
A-2 Written Communication ENGL101 - College Composition	3.0
A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
B-4 Mathematics/Quantitative Reasoning MATH110 - Mathematics for Liberal Arts Students	3.0
Total Credits	15.0
Semester 2	Credits
Required Electives A FTV241 - Beginning Audio Production	3.0
Required Electives B FTV103 - Introduction to Television	3.0
Elective FTV107 - History of Film, Pre 1950	3.0
A-3 Critical Thinking Take one of the following:	
ENGL102 - Critical Thinking and Literature	3.0
ENGL103 - Critical Thinking and Research	3.0
B-2 Life Science ANTH101 - Introduction to Biological Anthropology	3.0
Total Credits	15.0
Semester 3	Credits
Elective General Elective	1.0
Required Electives A FTV121 - Beginning Motion Picture Production	4.0
B-1 Physical Science PSCI101 - Physical Science	4.0
E. Lifelong Learning and Self-Development Take one of the following:	
CFE102 - The Developing Child-Child Growth and Development	3.0
COMM107 - Introduction to Interpersonal Communication	3.0
HE101 - Health Education	3.0
PSY236 - Developmental Psychology	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
D. Social Sciences Take one of the following:	
HIST108 - U.S. History from 1865	3.0
HIST111 - African-American History, 1877-Present	3.0
Total Credits	15.0

Semester 4	Credits
Required Electives B FTV108 - History of Film, 1950-Present	3.0
C-2 Humanities (Literature, Philosophy, Foreign Languages) FTV203 - African-American Cinema	3.0
D. Social Sciences POLS101 - American Political Institutions	3.0
F. Ethnic Studies Ethnic Studies Course	3.0
Elective General Elective	3.0
Total Credits	15.0

Program Outcomes

AS-T Film, TV, Electronic

Students will plan, script, budget, light, shoot, provide sound recording/design and edit a short film production.

Students will develop an understanding of screenplay format and will write a short film script.

Students will demonstrate an understanding of the different phases of film production as well as film theories, criticism, history, aesthetics & vocabulary.

Introduction to Film

FTV101:

3.0 Units

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) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

Introduction to Television

FTV103:

3.0 Units

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. (CSU, AVC)

History of Film, Pre 1950

FTV107:

3.0 Units

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) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

History of Film, 1950-Present

FTV108:

3.0 Units

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) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

Beginning Motion Picture Production

FTV121:

4.0 Units

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)

Introduction to Screenwriting

FTV134:

3.0 Units

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. (CSU, AVC)

Film Festival Analysis

FTV155:

1.0 Units

A course introduces students to contemporary independent film and its makers through direct participation in the Antelope Valley 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)

Film and Television Work Experience

FTV199:

1.0 - 8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Intercultural & Women's Film

FTV201:

3.0 Units

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) (GE: IGETC Area 3A, 3B, CSU Areas C1, C2, AVC Areas C, F)

African-American Cinema

FTV203:

3.0 Units

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) (GE: IGETC Area 3A, 3B, CSU Areas C1, C2, AVC Areas C, F)

Directing for Film and Video

FTV215:

3.0 Units

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)

Advanced Screenwriting

FTV220:

3.0 Units

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)

Digital Cinematography

FTV230:

4.0 Units

Prerequisite: Completion of FTV 121. Advisory: Completion of FTV 101. 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. (CSU, UC, AVC)

Beginning Audio Production

FTV241:

3.0 Units

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. (CSU, UC, AVC)

Writing and Pre-Production of the Short Film

FTV242:

4.0 Units

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)

Production and Post-Production of the Short Film

FTV244:

4.0 Units

Prerequisite: Completion of FTV 242. 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)

Contemporary American Independent Film

FTV251:

4.0 Units

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) (GE: IGETC Area 3B, CSU Areas C1, C2, AVC Area C)

Religion and Cinema

FTV261:

4.0 Units

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. (CSU, AVC)

Fire Technology

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.

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

Required Courses (Total 18)

Complete the following number of credits: 18

FTEC111 - Fire Protection Organization 3
 FTEC112 - Fire Prevention Technology 3
 FTEC113 - Fire Protection Equipment and Systems 3
 FTEC211 - Fire Behavior and Combustion 3
 FTEC212 - Building Construction for the Fire Service 3
 FTEC109 - Principles of Fire and Emergency Services Safety and Survival 3

Program Electives (Total 12)

Complete the following number of credits: 12

EMT101 - Emergency Medical Technician (EMT) 7
 FTEC117 - Preparing to be a Firefighter 3
 FTEC125 - Hazardous Materials First Responder Operation 1
 FTEC215 - Rescue Practices 3
 FTW121 - Wildland Firefighter 4
 FTW122 - Wildland Public Information Officer, Prevention, and Investigation 3
 FTW123 - Wildland Fire Operations 3
 FTW124 - Wildfire Chain Saws 1.5
 FTW221 - Wildland Firefighter Safety and Survival 3
 FTW222 - Wildland Fire Behavior 3
 FTW223 - Wildland Engine Firefighter 4
 FTW224 - Wildland Fire Control 3
 GEOG201 - Map Interpretation and GPS 4

Recommended Pathway

	Credits
Term 1	
Required Courses FTEC112 - Fire Prevention Technology	3.0
Required Courses FTEC113 - Fire Protection Equipment and Systems	3.0
Required Courses FTEC111 - Fire Protection Organization	3.0
Program Electives Take one of the following:	
EMT101 - Emergency Medical Technician (EMT)	7.0
FTEC117 - Preparing to be a Firefighter	3.0
FTEC125 - Hazardous Materials First Responder Operation	1.0
FTEC215 - Rescue Practices	3.0
FTW121 - Wildland Firefighter	4.0
FTW122 - Wildland Public Information Officer, Prevention, and Investigation	3.0
FTW123 - Wildland Fire Operations	3.0
FTW124 - Wildfire Chain Saws	1.5
FTW221 - Wildland Firefighter Safety and Survival	3.0
FTW222 - Wildland Fire Behavior	3.0
FTW223 - Wildland Engine Firefighter	4.0
FTW224 - Wildland Fire Control	3.0
GEOG201 - Map Interpretation and GPS	4.0
Total Credits	10.0 - 16.0
Term 2	
Credits	
Required Courses FTEC109 - Principles of Fire and Emergency Services Safety and Survival	3.0
Required Courses FTEC212 - Building Construction for the Fire Service	3.0
Program Electives Take one of the following:	
EMT101 - Emergency Medical Technician (EMT)	7.0
FTEC117 - Preparing to be a Firefighter	3.0
FTEC125 - Hazardous Materials First Responder Operation	1.0
FTEC215 - Rescue Practices	3.0
FTW121 - Wildland Firefighter	4.0
FTW122 - Wildland Public Information Officer, Prevention, and Investigation	3.0
FTW123 - Wildland Fire Operations	3.0
FTW124 - Wildfire Chain Saws	1.5

FTW221 - Wildland Firefighter Safety and Survival	3.0
FTW222 - Wildland Fire Behavior	3.0
FTW223 - Wildland Engine Firefighter	4.0
FTW224 - Wildland Fire Control	3.0
GEOG201 - Map Interpretation and GPS	4.0
Program Electives Take one of the following:	
EMT101 - Emergency Medical Technician (EMT)	7.0
FTEC117 - Preparing to be a Firefighter	3.0
FTEC125 - Hazardous Materials First Responder Operation	1.0
FTEC215 - Rescue Practices	3.0
FTW121 - Wildland Firefighter	4.0
FTW122 - Wildland Public Information Officer, Prevention, and Investigation	3.0
FTW123 - Wildland Fire Operations	3.0
FTW124 - Wildfire Chain Saws	1.5
FTW221 - Wildland Firefighter Safety and Survival	3.0
FTW222 - Wildland Fire Behavior	3.0
FTW223 - Wildland Engine Firefighter	4.0
FTW224 - Wildland Fire Control	3.0
GEOG201 - Map Interpretation and GPS	4.0
Total Credits	8.0 - 20.0

Term 3

Credits

Program Electives Take one of the following:	
EMT101 - Emergency Medical Technician (EMT)	7.0
FTEC117 - Preparing to be a Firefighter	3.0
FTEC125 - Hazardous Materials First Responder Operation	1.0
FTEC215 - Rescue Practices	3.0
FTW121 - Wildland Firefighter	4.0
FTW122 - Wildland Public Information Officer, Prevention, and Investigation	3.0
FTW123 - Wildland Fire Operations	3.0
FTW124 - Wildfire Chain Saws	1.5
FTW221 - Wildland Firefighter Safety and Survival	3.0
FTW222 - Wildland Fire Behavior	3.0
FTW223 - Wildland Engine Firefighter	4.0
FTW224 - Wildland Fire Control	3.0

GEOG201 - Map Interpretation and GPS	4.0
Program Electives Take one of the following:	
EMT101 - Emergency Medical Technician (EMT)	7.0
FTEC117 - Preparing to be a Firefighter	3.0
FTEC125 - Hazardous Materials First Responder Operation	1.0
FTEC215 - Rescue Practices	3.0
FTW121 - Wildland Firefighter	4.0
FTW122 - Wildland Public Information Officer, Prevention, and Investigation	3.0
FTW123 - Wildland Fire Operations	3.0
FTW124 - Wildfire Chain Saws	1.5
FTW221 - Wildland Firefighter Safety and Survival	3.0
FTW222 - Wildland Fire Behavior	3.0
FTW223 - Wildland Engine Firefighter	4.0
FTW224 - Wildland Fire Control	3.0
GEOG201 - Map Interpretation and GPS	4.0
Required Courses FTEC211 - Fire Behavior and Combustion	3.0
Total Credits	5.0 - 17.0

Program Outcomes

Fire Technology Cert

Analyze the fire behavior and combustion process as observed on the fire ground to make safe and effective attacks on a variety of fires.

Differentiate between the types of suppression resources, methods, tactics and strategy, that are available for use and the type of incident to be mitigated.

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.

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.

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.

Fire Technology AS

The requirements for an associate degree in Fire Technology may be satisfied by completing 18 units of required courses, selecting an additional 12 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 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

Required Courses (Total 18)

Complete the following number of credits: 18

FTEC111 - Fire Protection Organization 3
 FTEC112 - Fire Prevention Technology 3
 FTEC113 - Fire Protection Equipment and Systems 3
 FTEC211 - Fire Behavior and Combustion 3
 FTEC212 - Building Construction for the Fire Service 3
 FTEC109 - Principles of Fire and Emergency Services Safety and Survival 3

Program Electives (Total 12)

Complete the following number of credits: 12

EMT101 - Emergency Medical Technician (EMT) 7
 FTEC117 - Preparing to be a Firefighter 3
 FTEC125 - Hazardous Materials First Responder Operation 1
 FTEC215 - Rescue Practices 3
 FTW121 - Wildland Firefighter 4
 FTW122 - Wildland Public Information Officer, Prevention, and Investigation 3
 FTW123 - Wildland Fire Operations 3
 FTW124 - Wildfire Chain Saws 1.5
 FTW221 - Wildland Firefighter Safety and Survival 3
 FTW222 - Wildland Fire Behavior 3
 FTW223 - Wildland Engine Firefighter 4
 FTW224 - Wildland Fire Control 3
 GEOG201 - Map Interpretation and GPS 4

Recommended Pathway

Term 1

Required Courses FTEC111 - Fire Protection Organization

Credits

3.0

Required Courses FTEC109 - Principles of Fire and Emergency Services Safety and Survival 3.0

Required Courses FTEC112 - Fire Prevention Technology 3.0

Required Courses FTEC113 - Fire Protection Equipment and Systems 3.0

D1 - Language & Rationality - Communication and Analytical Thinking 3.0
 ENGL101 - College Composition

Area A -Natural Sciences Take one of the following:

ANTH101 - Introduction to Biological Anthropology 3.0

ANTH101L - Biological Anthropology Lab 1.0

ASTR101 - Astronomy 3.0

ASTR101L - Astronomy Laboratory 1.0

BIOL100 - Elementary Human Anatomy and Physiology 3.0

BIOL101 - General Biology 3.0

BIOL101L - General Biology Lab 1.0

BIOL102 - Human Biology 4.0

BIOL103 - Introduction to Botany 4.0

BIOL104 - Environmental Biology 3.0

BIOL110 - General Molecular Cell Biology 5.0

BIOL120 - General Organismal, Ecological and Evolutionary Biology 5.0

BIOL201 - General Human Anatomy 4.0

BIOL202 - General Human Physiology 4.0

BIOL204 - General Microbiology 5.0

BIOL205 - Introduction to Biotechnology 3.0

CHEM101 - Introductory Chemistry 5.0

CHEM102 - Introductory Chemistry (Organic & Biochemistry) 4.0

CHEM110 - General Chemistry 5.0

ELTE101 - Survey of Electronics 4.0

ERSC101 - Introduction to Earth Science 4.0

GEOG101 - Physical Geography: Earth's Surface Landscapes 3.0

GEOG101L - Physical Geography Lab: Earth's Surface Landscapes 1.0

GEOG102 - Physical Geography: Earth's Weather & Climate 3.0

GEOG102L - Physical Geography Lab: Earth's Weather & Climate 1.0

GEO101 - Physical Geology 3.0

GEOL101L - Physical Geology Lab	1.0	HIST105 - Introduction to World Civilization, 1500 - Present	3.0
GEOL102 - Historical Geology	3.0	HIST107 - U.S. History, 1607-1877	3.0
GEOL102L - Historical Geology Laboratory	1.0	HIST108 - U.S. History from 1865	3.0
PHYS101 - Introductory Physics	4.0	HIST110 - African-American History, 1450-1877	3.0
PHYS102 - Introductory Physics	4.0	HIST111 - African-American History, 1877-Present	3.0
PHYS110 - General Physics	4.0	HIST113 - Women in American History	3.0
PHYS120 - General Physics	4.0	HIST114 - History of California	3.0
PHYS211 - General Physics	5.0	HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
PSCI101 - Physical Science	4.0	HIST118 - American West History, 1806-Present	3.0
Any GE Area A	3.0	HIST119 - History of Latin America and the Caribbean	3.0
Total Credits	16.0 - 20.0	POLS101 - American Political Institutions	3.0
Term 2	Credits	POLS103 - Comparative Government	3.0
Required Courses FTEC212 - Building Construction for the Fire Service	3.0	POLS200 - Introduction to Political Theory	3.0
Area B - Social & Behavioral Sciences		POLS201 - Contemporary International Relations	3.0
Take one of the following:		POLS202 - Ethnic Politics in America	3.0
AJ201 - Police in Society	3.0	POLS203 - The Judicial Process	3.0
AJ204 - Juvenile Procedures	3.0	PSY101 - General Psychology	3.0
AJ206 - Criminology	3.0	PSY102 - Introduction to Alcohol and Other Drug Studies	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	PSY201 - Introduction to Physiological Psychology	3.0
ANTH103 - Archaeology and World Prehistory	3.0	PSY212 - Human Sexuality	3.0
ANTH112 - Ethnic Studies: Native North Americans	3.0	PSY230 - Social Psychology	3.0
ANTH140 - Introduction to Archaeology	4.0	PSY232 - Theories of Personality	3.0
BUS101 - Introduction to Business	3.0	PSY233 - Personal and Social Adjustment	3.0
CFE102 - The Developing Child	3.0	PSY234 - Abnormal Psychology	3.0
COMM217 - Gender and Communication	3.0	PSY235 - Child Psychology	3.0
DFST105 - Introduction to American Deaf Culture	3.0	PSY236 - Developmental Psychology	3.0
ECON100 - Survey of Economics	3.0	SOC101 - Introduction to Sociology	3.0
ECON101 - Principles of Macroeconomics	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
ECON102 - Principles of Microeconomics	3.0	SOC110 - Ethnic Relations	3.0
ECON110 - Economics of the Underclass	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
GEOG105 - Cultural Geography	3.0	SOC111 - Issues and Concepts in Aging	3.0
GEOG106 - California Geography	3.0	SOC115 - Modern Relationships and Family Life	3.0
GEOG110 - World Regional Geography	3.0		
HIST101 - Western Civilization, Ancient-1750	3.0		
HIST102 - Western Civilization, 1750 - Present	3.0		
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0		

SOC116 - Sociology of Gender and Sexuality	3.0	MATH230 - Introduction to Ordinary Differential Equations	4.0
SOC120 - Drugs, Society and Human Behavior	3.0	MATH250 - Calculus and Analytic Geometry	4.0
Any GE Area B	3.0	PHIL101 - Fundamental Reasoning Skills	3.0
D2 - Language & Rationality - Communication and Analytical Thinking		PHIL106 - Introduction to Philosophy	3.0
Take one of the following:		PHIL110 - Introduction to Logic	3.0
BUS113 - Business Communications	3.0	PHIL201 - Critical Thinking	3.0
CIS101 - Introduction to Computer Information Science	3.0	MATH140 - Precalculus	4.0
CA103 - Introduction to Computer and Digital Technology	3.0	Any GE Area D2	3.0
CIS111 - Introduction to Programming & Algorithms	3.0	Area E - Additional Breadth	
CIS161 - Introduction to C Programming	3.0	Take one of the following:	
COMM101 - Introduction to Public Speaking	3.0	Course utilized from AREA A, B, C, or D2	3.0
COMM107 - Introduction to Interpersonal Communication	3.0	CFE102 - The Developing Child	3.0
COMM109 - Small Group Communication	3.0	COMM107 - Introduction to Interpersonal Communication	3.0
COMM112 - Oral Interpretation	3.0	COMM219 - Introduction to Intercultural Communication	3.0
COMM114 - Art of Storytelling	3.0	DA102 - Beg Ballet	1.0
COMM115 - Introduction to Argumentation and Debate	3.0	DA103 - Beginning Modern Dance	1.0
COMM217 - Gender and Communication	3.0	DA104 - Beg Jazz Dance	1.0
COMM219 - Introduction to Intercultural Communication	3.0	DA105 - Beg Tap Dance	1.0
ENGL102 - Critical Thinking and Literature	3.0	DA106 - Ballroom Dance	1.0
ENGL103 - Critical Thinking and Research	3.0	DA111 - Choreography	3.0
GEOG201 - Map Interpretation and GPS	4.0	DA113 - World Dance-Ethnic Forms	1.0
GEOG205 - Introduction to Geographic Information Systems	3.0	DA115 - Dance Repertory	1.0
MATH110 - Mathematics for Liberal Arts Students	3.0	DA116 - Dance Improvisation	1.0
MATH115 - Statistics	4.0	DA122 - Int Ballet	1.0
MATH116 - Introduction to Statistics Using R	4.0	DA123 - Int Modern Dance	1.0
MATH120 - Math for Teachers	3.0	DA124 - Int Jazz Dance	1.0
MATH124 - Finite Math	4.0	DA125 - Int Tap Dance	1.0
MATH128 - College Algebra for Liberal Arts	3.0	DA202 - Advanced Ballet	1.0
MATH135 - Plane Trigonometry	3.0	DA203 - Adv Modern Dance	1.0
MATH148 - Calculus for Business and Economics	4.0	DA204 - Adv Jazz Dance	1.0
MATH150 - Calculus and Analytic Geometry	5.0	DA205 - Advanced Tap Dance	1.0
MATH160 - Calculus and Analytic Geometry	4.0	DFST105 - Introduction to American Deaf Culture	3.0
MATH220 - Linear Algebra	4.0	HD100 - Basic Strategies For College Success	1.5
		HD101 - College and Life Management	3.0
		HD102 - Soldiers to Scholars	3.0
		HD103 - Career Planning	1.5
		HD105 - Personal Development	3.0
		HE120 - Stress Management	3.0

KINF150 - Beginning Soccer	1.0	FTEC117 - Preparing to be a Firefighter	3.0
KINF151 - Intermediate Soccer	1.0	FTEC125 - Hazardous Materials First Responder Operation	1.0
KINF160 - Beginning Tennis	1.0	FTEC215 - Rescue Practices	3.0
KINF161 - Intermediate Tennis	1.0	FTW121 - Wildland Firefighter	4.0
KINF115 - Beginning Fast-Pitch Softball	1.0	FTW122 - Wildland Public Information Officer, Prevention, and Investigation	3.0
KINF107 - Beginning Weight Lifting	1.0	FTW123 - Wildland Fire Operations	3.0
KINT100 - Introduction to Kinesiology	3.0	FTW124 - Wildfire Chain Saws	1.5
LIB107 - Information Literacy	3.0	FTW221 - Wildland Firefighter Safety and Survival	3.0
LIB110 - Introduction to Internet Research	1.0	FTW222 - Wildland Fire Behavior	3.0
NF100 - Nutrition	3.0	FTW223 - Wildland Engine Firefighter	4.0
NF102 - Nutrition and Food for Children	3.0	FTW224 - Wildland Fire Control	3.0
NF103 - Principles of Food Preparation	3.0	GEOG201 - Map Interpretation and GPS	4.0
NF110 - Sports Nutrition	3.0	Area F -Diversity Studies Take one of the following:	
NF150 - Food and Culture	3.0	ANTH102 - Introduction to Cultural Anthropology	3.0
PSY212 - Human Sexuality	3.0	ANTH112 - Ethnic Studies: Native North Americans	3.0
SOC111 - Issues and Concepts in Aging	3.0	BUS212 - Women in Organizations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0	CFE116 - Diversity Early Childhood Ed	3.0
Any GE Area E	3.0	COMM114 - Art of Storytelling	3.0
Program Electives Take one of the following:		COMM217 - Gender and Communication	3.0
EMT101 - Emergency Medical Technician (EMT)	7.0	COMM219 - Introduction to Intercultural Communication	3.0
FTEC117 - Preparing to be a Firefighter	3.0	DFST105 - Introduction to American Deaf Culture	3.0
FTEC125 - Hazardous Materials First Responder Operation	1.0	DFST106 - Introduction to Deaf Education	3.0
FTEC215 - Rescue Practices	3.0	ECON110 - Economics of the Underclass	3.0
FTW121 - Wildland Firefighter	4.0	ENGL253 - African American Literature	3.0
FTW122 - Wildland Public Information Officer, Prevention, and Investigation	3.0	ENGL256 - Latinx Literature	3.0
FTW123 - Wildland Fire Operations	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
FTW124 - Wildfire Chain Saws	1.5	ENGL259 - Gender, Image, and Rhetoric	3.0
FTW221 - Wildland Firefighter Safety and Survival	3.0	FTV201 - Intercultural & Women's Film	3.0
FTW222 - Wildland Fire Behavior	3.0	FTV203 - African-American Cinema	3.0
FTW223 - Wildland Engine Firefighter	4.0	HE201 - Women's Health Issues	3.0
FTW224 - Wildland Fire Control	3.0	HIST110 - African-American History, 1450-1877	3.0
GEOG201 - Map Interpretation and GPS	4.0	HIST111 - African-American History, 1877-Present	3.0
Total Credits	11.0 - 22.0	HIST113 - Women in American History	3.0
Term 3 Credits			
Required Courses FTEC211 - Fire Behavior and Combustion	3.0		
Program Electives Take one of the following:			
EMT101 - Emergency Medical Technician (EMT)	7.0		

MUSC107 - History of Women in Rock Music	3.0	ART113 - Painting I	3.0
MUSC108 - History of Hip Hop	3.0	ART120 - Introduction to Printmaking	3.0
POLS202 - Ethnic Politics in America	3.0	ART132 - Introduction to Ceramics: Hand-Building	3.0
SOC105 - The Mexican American in Contemporary Society	3.0	ART135 - Beginning Wheel-Thrown Ceramics	3.0
SOC110 - Ethnic Relations	3.0	ART136 - Intermediate Wheel-Thrown Ceramics	3.0
SOC116 - Sociology of Gender and Sexuality	3.0	ART137 - Advanced Wheel-Thrown Ceramics	3.0
THA239 - Intercultural and Women's Theatre	3.0	ART140 - Watercolor	3.0
Any GE Area F	3.0	ART145 - 2-D Design Basics	3.0
Total Credits	7.0 - 13.0	ART150 - 3-D Design Basics	3.0
Term 4	Credits	ART210 - Drawing III	3.0
Program Electives Take one of the following:		ART213 - Painting III	3.0
EMT101 - Emergency Medical Technician (EMT)	7.0	CHIN101 - Elementary Chinese I	5.0
FTEC117 - Preparing to be a Firefighter	3.0	CHIN102 - Elementary Chinese 2	5.0
FTEC125 - Hazardous Materials First Responder Operation	1.0	CHIN201 - Intermediate Chinese	5.0
FTEC215 - Rescue Practices	3.0	CHIN202 - Intermediate Chinese	5.0
FTW121 - Wildland Firefighter	4.0	COMM112 - Oral Interpretation	3.0
FTW122 - Wildland Public Information Officer, Prevention, and Investigation	3.0	COMM114 - Art of Storytelling	3.0
FTW123 - Wildland Fire Operations	3.0	DA101 - Dance Appreciation	3.0
FTW124 - Wildfire Chain Saws	1.5	DFST101 - American Sign Language I	4.0
FTW221 - Wildland Firefighter Safety and Survival	3.0	DFST102 - American Sign Language II	4.0
FTW222 - Wildland Fire Behavior	3.0	DFST105 - Introduction to American Deaf Culture	3.0
FTW223 - Wildland Engine Firefighter	4.0	DFST106 - Introduction to Deaf Education	3.0
FTW224 - Wildland Fire Control	3.0	DFST201 - American Sign Language III	4.0
GEOG201 - Map Interpretation and GPS	4.0	DFST202 - American Sign Language IV	4.0
Elective General Elective	3.0	ENGL102 - Critical Thinking and Literature	3.0
Elective General Elective	3.0	ENGL111 - Creative Writing: Fiction	3.0
Area C - Humanities Take one of the following:		ENGL112 - Creative Writing: Poetry	3.0
ART100 - Art Appreciation	3.0	ENGL221 - American Literature 1400-1865	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0	ENGL222 - American Literature 1865-Present	3.0
ART102 - History of Art, Renaissance to Modern	3.0	ENGL225 - English Literature, 800-1750	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0	ENGL227 - English Literature, 1750-Present	3.0
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0	ENGL230 - World Literature 1	3.0
ART106 - History of Art: Asia	3.0	ENGL231 - World Literature 2	3.0
ART110 - Drawing	3.0	ENGL235 - Shakespeare and Culture	3.0
		ENGL242 - Narrative and Culture	3.0
		ENGL253 - African American Literature	3.0
		ENGL256 - Latinx Literature	3.0

ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	MUS253B - Musicianship IV	2.0
ENGL259 - Gender, Image, and Rhetoric	3.0	MUSC102 - History of Jazz	3.0
ENGL265 - Film: Text and Context	3.0	MUSC103 - History of Rock 'n Roll	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0	MUSC107 - History of Women in Rock Music	3.0
FREN101 - Elementary French 1	5.0	MUSC109 - The History of Motown Music	3.0
FREN102 - Elementary French 2	5.0	NF150 - Food and Culture	3.0
FREN201 - Intermediate French 1	5.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
FREN202 - Intermediate French 2	5.0	PHIL106 - Introduction to Philosophy	3.0
FREN203 - Advanced French	3.0	PHIL108 - Philosophy of Religion	3.0
FTV101 - Introduction to Film	3.0	PHIL109 - World Religions	3.0
FTV103 - Introduction to Television	3.0	PHOT107 - History of Photography	3.0
FTV107 - History of Film, Pre 1950	3.0	PHTC101 - Beginning Black and White Photography	3.0
FTV108 - History of Film, 1950-Present	3.0	PHTC150 - Beginning Color Photography	3.0
FTV201 - Intercultural & Women's Film	3.0	PHTC201 - Advanced Black and White Photography	3.0
FTV203 - African-American Cinema	3.0	SPAN101 - Elementary Spanish 1	5.0
FTV251 - Contemporary American Independent Film	4.0	SPAN102 - Elementary Spanish 2	5.0
FTV261 - Religion and Cinema	4.0	SPAN110SS - Spanish for Heritage Speakers I	5.0
GER101 - Elementary German 1	5.0	SPAN201 - Intermediate Spanish 1	5.0
GER102 - Elementary German 2	5.0	SPAN202 - Intermediate Spanish 2	5.0
GER201 - Intermediate German 1	4.0	SPAN210SS - Spanish for Heritage Speakers II	5.0
GER202 - Intermediate German 2	4.0	SPAN220SS - Composition and Conversation	5.0
HIST115 - Cultural History of Mexico	3.0	THA101 - Introduction to Theatre	3.0
LATN101 - Elementary Latin 1	5.0	THA102 - Introduction to Stagecraft	3.0
LATN102 - Elementary Latin 2	5.0	THA103 - Introduction to Stage Lighting	3.0
LATN201 - Intermediate Latin	5.0	THA110 - Fundamentals of Acting	3.0
MUS101 - Music Appreciation	3.0	THA115A - Rehearsal and Performance: Drama	1.0
MUS105 - World Music	3.0	THA116A - Rehearsal and Performance: Comedy	1.0
MUS111 - Fundamentals of Music (Music Theory I)	3.0	THA117A - Rehearsal and Performance: Musical Theatre	1.0
MUS131 - Piano I	2.0	THA118A - Rehearsal and Performance: Children's Theatre	1.0
MUS132 - Piano II	2.0	THA121A - Theatre Production	1.0
MUS151 - Music Theory II	3.0	THA130 - Improvisation	3.0
MUS153B - Musicianship II	2.0	THA133 - Makeup for the Stage	3.0
MUS185 - Concert Choir	1.0	THA225 - Script Analysis	3.0
MUS231 - Piano III	2.0	THA239 - Intercultural and Women's Theatre	3.0
MUS251A - Music Theory III	3.0	Any GE Area C	3.0
MUS251B - Music Theory IV	3.0	Total Credits	8.0 - 18.0
MUS253A - Musicianship III	2.0		

Program Outcomes

AS Fire Technology

Analyze the fire behavior and combustion process as observed on the fire ground to make safe and effective attacks on a variety of fires.

Differentiate between the types of suppression resources, methods, tactics and strategy, that are available for use and the type of incident to be mitigated.

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.

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.

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 I 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 27.25)

Complete the following number of credits: 27.25

FTEC295A - Firefighter 1 Academy Module A 9

FTEC295AL - Firefighter 1 Academy Module A Lab 2.5

FTEC295B - Firefighter 1 Academy Module B 8

FTEC295BL - Firefighter 1 Academy Module B Lab 2.75

FTEC290A - Physical Fitness and Ability for the Firefighter 1

FTEC290B - Physical Fitness and Ability for the Firefighter 1

FTEC111 - Fire Protection Organization 3

Recommended Pathway

Prerequisites	Credits
Firefighter I Academy Cert FTEC111 - Fire Protection Organization	3.0
Total Credits	3.0
Term 1	Credits
Firefighter I Academy Cert FTEC295AL - Firefighter 1 Academy Module A Lab	2.5
Firefighter I Academy Cert FTEC295A - Firefighter 1 Academy Module A	9.0
Firefighter I Academy Cert FTEC290A - Physical Fitness and Ability for the Firefighter	1.0
Total Credits	12.5
Term 2	Credits
Firefighter I Academy Cert FTEC295B - Firefighter 1 Academy Module B	8.0
Firefighter I Academy Cert FTEC290B - Physical Fitness and Ability for the Firefighter	1.0
Firefighter I Academy Cert FTEC295BL - Firefighter 1 Academy Module B Lab	2.75
Total Credits	11.75

Program Outcomes

Firefighter I Academy Cert

Analyze and evaluate critical aspects of fire suppression operations related to safe work practices, proper use of tools, power equipment, and personal protective equipment.

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.

Apply proper maintenance and safety standards related to fire department ladders and power saws.

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 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

Required Courses (Total 16)

Complete all of the following

- FTW121 - Wildland Firefighter 4
- FTW122 - Wildland Public Information Officer, Prevention, and Investigation 3
- FTW123 - Wildland Fire Operations 3
- FTW221 - Wildland Firefighter Safety and Survival 3
- FTW222 - Wildland Fire Behavior 3

Program Electives (Total 14)

Complete the following number of credits: 14

- EMT101 - Emergency Medical Technician (EMT) 5.5
- FTEC111 - Fire Protection Organization 3
- FTEC112 - Fire Prevention Technology 3
- FTEC117 - Preparing to be a Firefighter 3
- FTEC125 - Hazardous Materials First Responder Operation 1
- FTW124 - Wildfire Chain Saws 1.5
- FTW223 - Wildland Engine Firefighter 4
- FTW224 - Wildland Fire Control 3
- GEOG201 - Map Interpretation and GPS 4
- GEOG205 - Introduction to Geographic Information Systems 3

Recommended Pathway

	Credits
First Fall	
Required Courses FTW122 - Wildland Public Information Officer, Prevention, and Investigation	3.0
Program Electives FTEC111 - Fire Protection Organization	3.0
Program Electives FTEC112 - Fire Prevention Technology	3.0
Total Credits	9.0
First Spring	
Required Courses FTW121 - Wildland Firefighter	4.0
Required Courses FTW221 - Wildland Firefighter Safety and Survival	3.0
Program Electives FTW124 - Wildfire Chain Saws	1.5
Program Electives FTEC125 - Hazardous Materials First Responder Operation	1.0
Total Credits	9.5

	Credits
Second Fall	
Required Courses FTW222 - Wildland Fire Behavior	3.0
Required Courses FTW123 - Wildland Fire Operations	3.0
Program Electives EMT101 - Emergency Medical Technician (EMT)	5.5
Total Credits	11.5

Program Outcomes

Wildland Fire Technology LCert

Analyze the fire behavior and combustion process as observed on the fire ground to make safe and effective attacks on a variety of fires.

Differentiate between the types of suppression resources, methods, tactics and strategy, that are available for use and the type of incident to be mitigated.

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.

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.

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.

Wildland Fire Technology AS

The requirements for an associate degree in Wildland Fire Technology may be satisfied by completing 16 units of required courses, selecting an additional 14 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 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

Wildland Fire Technology AS (Total 30)

Complete all of the following

Required Courses (Total 16)

Complete the following number of credits: 16

- FTW121 - Wildland Firefighter 4
- FTW122 - Wildland Public Information Officer, Prevention, and Investigation 3
- FTW123 - Wildland Fire Operations 3
- FTW221 - Wildland Firefighter Safety and Survival 3
- FTW222 - Wildland Fire Behavior 3

Program Electives (Total 14)

Complete the following number of credits: 14

- EMT101 - Emergency Medical Technician (EMT) 5.5
- FTEC111 - Fire Protection Organization 3
- FTEC112 - Fire Prevention Technology 3
- FTEC117 - Preparing to be a Firefighter 3
- FTW124 - Wildfire Chain Saws 1.5
- FTEC125 - Hazardous Materials First Responder Operation 1
- GEOG205 - Introduction to Geographic Information Systems 3
- GEOG201 - Map Interpretation and GPS 4
- FTW223 - Wildland Engine Firefighter 3.5
- FTW224 - Wildland Fire Control 3

Recommended Pathway

Wildland Fire Technology AS

1st semester (Fall)	Credits
Required Courses FTW122 - Wildland Public Information Officer, Prevention, and Investigation	3.0
Program Electives Take one of the following:	
FTEC111 - Fire Protection Organization	3.0
FTEC112 - Fire Prevention Technology	3.0
FTEC117 - Preparing to be a Firefighter	3.0
Program Electives Take one of the following:	
FTEC111 - Fire Protection Organization	3.0
FTEC112 - Fire Prevention Technology	3.0
FTEC117 - Preparing to be a Firefighter	3.0
Area A -Natural Sciences Take one of the following:	
ANTH101 - Introduction to Biological Anthropology	3.0
ANTH101L - Biological Anthropology Lab	1.0
ASTR101 - Astronomy	3.0
ASTR101L - Astronomy Laboratory	1.0
BIOL100 - Elementary Human Anatomy and Physiology	3.0
BIOL101 - General Biology	3.0
BIOL101L - General Biology Lab	1.0

BIOL102 - Human Biology	4.0
BIOL103 - Introduction to Botany	4.0
BIOL104 - Environmental Biology	3.0
BIOL110 - General Molecular Cell Biology	5.0
BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
BIOL201 - General Human Anatomy	4.0
BIOL202 - General Human Physiology	4.0
BIOL204 - General Microbiology	5.0
BIOL205 - Introduction to Biotechnology	3.0
CHEM101 - Introductory Chemistry	5.0
CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0
CHEM110 - General Chemistry	5.0
ELTE101 - Survey of Electronics	4.0
ERSC101 - Introduction to Earth Science	4.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0
GEOL101 - Physical Geology	3.0
GEOL101L - Physical Geology Lab	1.0
GEOL102 - Historical Geology	3.0
GEOL102L - Historical Geology Laboratory	1.0
PHYS101 - Introductory Physics	4.0
PHYS102 - Introductory Physics	4.0
PHYS110 - General Physics	4.0
PHYS120 - General Physics	4.0
PHYS211 - General Physics	5.0
PSCI101 - Physical Science	4.0
D1 - Language & Rationality - Communication and Analytical Thinking	
ENGL101 - College Composition	3.0
Total Credits	13.0 - 17.0
2nd Semester (spring)	
Credits	
Required Courses FTW121 - Wildland Firefighter	4.0
Required Courses FTW221 - Wildland Firefighter Safety and Survival	3.0

Program Electives FTEC125 - Hazardous Materials First Responder Operation	1.0	HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
Program Electives FTW124 - Wildfire Chain Saws	1.5	HIST118 - American West History, 1806-Present	3.0
Area B - Social & Behavioral Sciences Take one of the following:		HIST119 - History of Latin America and the Caribbean	3.0
AJ201 - Police in Society	3.0	POLS101 - American Political Institutions	3.0
AJ204 - Juvenile Procedures	3.0	POLS103 - Comparative Government	3.0
AJ206 - Criminology	3.0	POLS200 - Introduction to Political Theory	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	POLS201 - Contemporary International Relations	3.0
ANTH103 - Archaeology and World Prehistory	3.0	POLS202 - Ethnic Politics in America	3.0
ANTH112 - Native North Americans	3.0	POLS203 - The Judicial Process	3.0
ANTH140 - Intro to Archaeology	4.0	PSY101 - General Psychology	3.0
BUS101 - Introduction to Business	3.0	PSY102 - Introduction to Alcohol and Other Drug Studies	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0	PSY201 - Introduction to Physiological Psychology	3.0
COMM217 - Gender and Communication	3.0	PSY212 - Human Sexuality	3.0
DFST105 - Introduction to American Deaf Culture	3.0	PSY230 - Social Psychology	3.0
ECON100 - Survey of Economics	3.0	PSY232 - Theories of Personality	3.0
ECON101 - Principles of Macroeconomics	3.0	PSY233 - Personal and Social Adjustment	3.0
ECON102 - Principles of Microeconomics	3.0	PSY234 - Abnormal Psychology	3.0
ECON110 - Economics of the Underclass	3.0	PSY235 - Child Psychology	3.0
GEOG105 - Cultural Geography	3.0	PSY236 - Developmental Psychology	3.0
GEOG106 - California Geography	3.0	SOC101 - Introduction to Sociology	3.0
GEOG110 - World Regional Geography	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	SOC110 - Ethnic Relations	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC115 - Marriage and Family Life	3.0
HIST107 - U.S. History, 1607-1877	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST108 - U.S. History from 1865	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST110 - African-American History, 1450-1877	3.0	D2 - Language & Rationality - Communication and Analytical Thinking Take one of the following:	
HIST111 - African-American History, 1877-Present	3.0	BUS113 - Business Communications	3.0
HIST113 - Women in American History	3.0	CIS101 - Introduction to Computer Information Science	3.0
HIST114 - History of California	3.0	CA103 - Introduction to Computer and Digital Technology	3.0

CIS111 - Introduction to Programming & Algorithms	3.0	3rd Semester	Credits
CIS161 - Introduction to C Programming	3.0	Required Courses FTW123 - Wildland Fire Operations	3.0
COMM101 - Introduction to Public Speaking	3.0	Required Courses FTW222 - Wildland Fire Behavior	3.0
COMM107 - Introduction to Interpersonal Communication	3.0	Program Electives Take one of the following:	
COMM109 - Small Group Communication	3.0	EMT101 - Emergency Medical Technician (EMT)	5.5
COMM112 - Oral Interpretation	3.0	FTEC111 - Fire Protection Organization	3.0
COMM114 - Art of Storytelling	3.0	FTEC112 - Fire Prevention Technology	3.0
COMM115 - Introduction to Argumentation and Debate	3.0	FTEC117 - Preparing to be a Firefighter	3.0
COMM217 - Gender and Communication	3.0	FTW124 - Wildfire Chain Saws	1.5
COMM219 - Introduction to Intercultural Communication	3.0	FTEC125 - Hazardous Materials First Responder Operation	1.0
ENGL102 - Critical Thinking and Literature	3.0	GEOG205 - Introduction to Geographic Information Systems	3.0
ENGL103 - Critical Thinking and Research	3.0	GEOG201 - Map Interpretation and GPS	4.0
GEOG201 - Map Interpretation and GPS	4.0	FTW223 - Wildland Engine Firefighter	3.5
GEOG205 - Introduction to Geographic Information Systems	3.0	FTW224 - Wildland Fire Control	3.0
MATH110 - Mathematics for Liberal Arts Students	3.0	Area C - Humanities Take one of the following:	
MATH115 - Statistics	4.0	ART100 - Art Appreciation	3.0
MATH116 - Introduction to Statistics Using R	4.0	ART101 - History of Art, Prehistoric to Gothic	3.0
MATH120 - Math for Teachers	3.0	ART102 - History of Art, Renaissance to Modern	3.0
MATH124 - Finite Math	4.0	ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
MATH128 - College Algebra for Liberal Arts	3.0	ART104 - History of Modern and Contemporary Art in the 20th Century	3.0
MATH135 - Plane Trigonometry	3.0	ART106 - History of Art: Asia	3.0
MATH148 - Calculus for Business and Economics	4.0	ART110 - Drawing	3.0
MATH150 - Calculus and Analytic Geometry	5.0	ART113 - Painting I	3.0
MATH160 - Calculus and Analytic Geometry	4.0	ART120 - Introduction to Printmaking	3.0
MATH220 - Linear Algebra	4.0	ART132 - Introduction to Ceramics: Hand-Building	3.0
MATH230 - Introduction to Ordinary Differential Equations	4.0	ART135 - Beginning Wheel-Thrown Ceramics	3.0
MATH250 - Calculus and Analytic Geometry	4.0	ART136 - Intermediate Wheel-Thrown Ceramics	3.0
PHIL101 - Fundamental Reasoning Skills	3.0	ART137 - Advanced Wheel-Thrown Ceramics	3.0
PHIL106 - Intro to Philosophy	3.0	ART140 - Watercolor	3.0
PHIL110 - Introduction to Logic	3.0	ART145 - 2-D Design Basics	3.0
PHIL201 - Critical Thinking	3.0	ART150 - 3-D Design Basics	3.0
MATH140 - Precalculus	4.0	ART210 - Drawing III	3.0
Total Credits	15.5 - 18.5		

ART213 - Painting III	3.0	FTV103 - Introduction to Television	3.0
CHIN101 - Elementary Chinese I	5.0	FTV107 - History of Film, Pre 1950	3.0
CHIN102 - Elementary Chinese 2	5.0	FTV108 - History of Film, 1950-Present	3.0
CHIN201 - Intermediate Chinese	5.0	FTV201 - Intercultural & Women's Film	3.0
CHIN202 - Intermediate Chinese	5.0	FTV203 - African-American Cinema	3.0
COMM112 - Oral Interpretation	3.0	FTV251 - Contemporary American Independent Film	4.0
COMM114 - Art of Storytelling	3.0	FTV261 - Religion and Cinema	4.0
DA101 - Dance Appreciation	3.0	GER101 - Elementary German 1	5.0
DFST101 - American Sign Language I	4.0	GER102 - Elementary German 2	5.0
DFST102 - American Sign Language II	4.0	GER201 - Intermediate German 1	4.0
DFST105 - Introduction to American Deaf Culture	3.0	GER202 - Intermediate German 2	4.0
DFST106 - Introduction to Deaf Education	3.0	HIST115 - Cultural History of Mexico	3.0
DFST201 - American Sign Language III	4.0	LATN101 - Elementary Latin 1	5.0
DFST202 - American Sign Language IV	4.0	LATN102 - Elementary Latin 2	5.0
ENGL102 - Critical Thinking and Literature	3.0	LATN201 - Intermediate Latin	5.0
ENGL111 - Creative Writing: Fiction	3.0	MUS101 - Music Appreciation	3.0
ENGL112 - Creative Writing: Poetry	3.0	MUS105 - World Music	3.0
ENGL221 - American Literature 1400-1865	3.0	MUS111 - Fundamentals of Music (Music Theory I)	3.0
ENGL222 - American Literature 1865-Present	3.0	MUS131 - Piano I	2.0
ENGL225 - English Literature, 800-1750	3.0	MUS132 - Piano II	2.0
ENGL227 - English Literature, 1750-Present	3.0	MUS151 - Music Theory II	3.0
ENGL230 - World Literature 1	3.0	MUS153B - Musicianship II	2.0
ENGL231 - World Literature 2	3.0	MUS185 - Concert Choir	1.0
ENGL235 - Shakespeare and Culture	3.0	MUS231 - Piano III	2.0
ENGL242 - Narrative and Culture	3.0	MUS251A - Music Theory III	3.0
ENGL253 - African American Literature	3.0	MUS251B - Music Theory IV	3.0
ENGL256 - Latinx Literature	3.0	MUS253A - Musicianship III	2.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	MUS253B - Musicianship IV	2.0
ENGL259 - Gender, Image, and Rhetoric	3.0	MUSC102 - History of Jazz	3.0
ENGL265 - Film: Text and Context	3.0	MUSC103 - History of Rock 'n Roll	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0	MUSC107 - History of Women in Rock Music	3.0
FREN101 - Elementary French 1	5.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
FREN102 - Elementary French 2	5.0	PHIL106 - Intro to Philosophy	3.0
FREN201 - Intermediate French 1	5.0	PHIL108 - Philosophy of Religion	3.0
FREN202 - Intermediate French 2	5.0	PHIL109 - World Religions	3.0
FREN203 - Advanced French	3.0	PHOT107 - History of Photography	3.0
FTV101 - Introduction to Film	3.0	PHTC101 - Beginning Black and White Photography	3.0

PHTC150 - Beginning Color Photography	3.0	DA116 - Dance Improvisation	1.0
PHTC201 - Advanced Black and White Photography	3.0	DA122 - Int Ballet	1.0
SPAN101 - Elementary Spanish 1	5.0	DA123 - Int Modern Dance	1.0
SPAN102 - Elementary Spanish 2	5.0	DA124 - Int Jazz Dance	1.0
SPAN110SS - Spanish for Heritage Speakers I	5.0	DA125 - Int Tap Dance	1.0
SPAN201 - Intermediate Spanish 1	5.0	DA202 - Advanced Ballet	1.0
SPAN202 - Intermediate Spanish 2	5.0	DA203 - Adv Modern Dance	1.0
SPAN210SS - Spanish for Heritage Speakers II	5.0	DA204 - Adv Jazz Dance	1.0
SPAN220SS - Composition and Conversation	5.0	DA205 - Advanced Tap Dance	1.0
THA101 - Introduction to Theatre	3.0	DFST105 - Introduction to American Deaf Culture	3.0
THA102 - Introduction to Stagecraft	3.0	HD100 - Basic Strategies For College Success	1.5
THA103 - Introduction to Stage Lighting	3.0	HD101 - College and Life Management	3.0
THA110 - Fundamentals of Acting	3.0	HD102 - Soldiers to Scholars	3.0
THA115A - Rehearsal and Performance: Drama	1.0	HD103 - Career Planning	1.5
THA116A - Rehearsal and Performance: Comedy	1.0	HD105 - Personal Development	3.0
THA117A - Rehearsal and Performance: Musical Theatre	1.0	HE120 - Stress Management	3.0
THA118A - Rehearsal and Performance: Children's Theatre	1.0	KINF150 - Beginning Soccer	1.0
THA121A - Theatre Production	1.0	KINF151 - Intermediate Soccer	1.0
THA130 - Improvisation	3.0	KINF160 - Beginning Tennis	1.0
THA133 - Makeup for the Stage	3.0	KINF161 - Intermediate Tennis	1.0
THA225 - Script Analysis	3.0	KINF115 - Beginning Fast-Pitch Softball	1.0
THA239 - Intercultural and Women's Theatre	3.0	KINF107 - Beginning Weight Lifting	1.0
Area E - Additional Breadth		KINT100 - Introduction to Kinesiology	3.0
Take one of the following:		LIB107 - Information Literacy	3.0
Course utilized from AREA A, B, C, or D2	3.0	LIB110 - Introduction to Internet Research	1.0
CFE102 - The Developing Child-Child Growth and Development	3.0	NF100 - Nutrition	3.0
COMM107 - Introduction to Interpersonal Communication	3.0	NF102 - Nutrition and Food for Children	3.0
COMM219 - Introduction to Intercultural Communication	3.0	NF103 - Principles of Food Preparation	3.0
DA102 - Beg Ballet	1.0	NF110 - Sports Nutrition	3.0
DA103 - Beginning Modern Dance	1.0	NF150 - Food and Culture	3.0
DA104 - Beg Jazz Dance	1.0	PSY212 - Human Sexuality	3.0
DA105 - Beg Tap Dance	1.0	SOC111 - Issues and Concepts in Aging	3.0
DA106 - Ballroom Dance	1.0	SOC116 - Sociology of Gender and Sexuality	3.0
DA113 - World Dance-Ethnic Forms	1.0	Total Credits	8.5 - 19.5
DA115 - Dance Repertory	1.0	4th semester	Credits
		Area F -Diversity Studies Take one of the following:	
		ANTH102 - Introduction to Cultural Anthropology	3.0
		ANTH112 - Native North Americans	3.0

BUS212 - Women in Organizations	3.0	GEOG201 - Map Interpretation and GPS	4.0
CFE116 - Diversity in Early Childhood Education	3.0	FTW223 - Wildland Engine Firefighter	3.5
COMM114 - Art of Storytelling	3.0	FTW224 - Wildland Fire Control	3.0
COMM217 - Gender and Communication	3.0	Program Electives Take one of the following:	
COMM219 - Introduction to Intercultural Communication	3.0	EMT101 - Emergency Medical Technician (EMT)	5.5
DFST105 - Introduction to American Deaf Culture	3.0	FTEC111 - Fire Protection Organization	3.0
DFST106 - Introduction to Deaf Education	3.0	FTEC112 - Fire Prevention Technology	3.0
ECON110 - Economics of the Underclass	3.0	FTEC117 - Preparing to be a Firefighter	3.0
ENGL253 - African American Literature	3.0	FTW124 - Wildfire Chain Saws	1.5
ENGL256 - Latinx Literature	3.0	FTEC125 - Hazardous Materials First Responder Operation	1.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	GEOG205 - Introduction to Geographic Information Systems	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0	GEOG201 - Map Interpretation and GPS	4.0
FTV201 - Intercultural & Women's Film	3.0	FTW223 - Wildland Engine Firefighter	3.5
FTV203 - African-American Cinema	3.0	FTW224 - Wildland Fire Control	3.0
HE201 - Women's Health Issues	3.0	Elective Take one of the following:	
HIST110 - African-American History, 1450-1877	3.0	General Elective	3.0
HIST111 - African-American History, 1877-Present	3.0	General Elective	2.0
HIST113 - Women in American History	3.0	General Elective	1.5
MUSC107 - History of Women in Rock Music	3.0	General Elective	1.0
MUSC108 - History of Hip Hop	3.0	Total Credits	6.0 - 17.0
POLS202 - Ethnic Politics in America	3.0	Program Outcomes	
SOC105 - The Mexican American in Contemporary Society	3.0	AS Wildland Fire Technology	
SOC110 - Ethnic Relations	3.0	Analyze the fire behavior and combustion process as observed on the fire ground to make safe and effective attacks on a variety of fires.	
SOC116 - Sociology of Gender and Sexuality	3.0	Differentiate between the types of suppression resources, methods, tactics and strategy, that are available for use and the type of incident to be mitigated.	
THA239 - Intercultural and Women's Theatre	3.0	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.	
Program Electives Take one of the following:		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.	
EMT101 - Emergency Medical Technician (EMT)	5.5	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.	
FTEC111 - Fire Protection Organization	3.0		
FTEC112 - Fire Prevention Technology	3.0		
FTEC117 - Preparing to be a Firefighter	3.0		
FTW124 - Wildfire Chain Saws	1.5		
FTEC125 - Hazardous Materials First Responder Operation	1.0		
GEOG205 - Introduction to Geographic Information Systems	3.0		

Fire Technology Courses

Principles of Fire and Emergency Services Safety and Survival

FTEC109:

3.0 Units

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)

Fire Protection Organization

FTEC111:

3.0 Units

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)

Fire Prevention Technology

FTEC112:

3.0 Units

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)

Fire Protection Equipment and Systems

FTEC113:

3.0 Units

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)

Preparing to be a Firefighter

FTEC117:

3.0 Units

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)

Hazardous Materials First Responder Operation

FTEC125:

1.0 Units

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)

Work Experience

FTEC199:

4.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Fire Behavior and Combustion

FTEC211:

3.0 Units

Corequisite: 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)

Building Construction for the Fire Service

FTEC212:

3.0 Units

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) (CSU, AVC)

Rescue Practices

FTEC215:

3.0 Units

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)

Physical Fitness and Ability for the Firefighter

FTEC290A:

1.0 Units

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)

Physical Fitness and Ability for the Firefighter

FTEC290B:

1.0 Units

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)

Firefighter 1 Academy Module A

FTEC295A:

9.0 Units

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). Corequisite: Concurrent enrollment in FTEC 295AL. Prerequisite Completion of FTEC 111 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)

Firefighter 1 Academy Module A Lab

FTEC295AL:

2.5 Units

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. (CSU, AVC)

Firefighter 1 Academy Module B

FTEC295B:

8.0 Units

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 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. 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. (CSU, AVC)

Firefighter 1 Academy Module B Lab

FTEC295BL:

2.75 Units

Prerequisite: Completion of FTEC 295A and FTEC 295AL. Corequisite: Concurrent enrollment in FTEC 295B. 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). 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

Wildland Firefighter

FTW121:

4.0 Units

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. These NWCG courses include S-130, S-190, L-180, FEMA IS-100.b and IS-700.a. 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. (CSU, AVC) (R unlimited*)

Wildland Public Information Officer, Prevention, and Investigation

FTW122:

3.0 Units

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)

Wildland Fire Operations

FTW123:

3.0 Units

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)

Wildfire Chain Saws

FTW124:

1.5 Units

Limitation on enrollments: 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. 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)

Wildland Firefighter Safety and Survival

FTW221:

3.0 Units

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)

Wildland Fire Behavior

FTW222:

3.0 Units

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)

Wildland Engine Firefighter

FTW223:

4.0 Units

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)

Wildland Fire Control

FTW224:

3.0 Units

Corequisite: 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)

NWCG Wildland Firefighter Academy

FTW285:

11.0 Units

Limitation on Enrollment: Requires passing a physical, arduous physical exertion, lifting of 40 lbs or more pounds, walk in irregular terrain, and pass the Work Capacity Test, Arduous level (WCT/Pack Test). The Wildland Firefighter Academy is designed to give students the basic necessary skills and knowledge in Wildland Firefighting to obtain an entry-level temporary position as a wildland firefighter. Emphasis is placed on the field use of tools and equipment, physical training, leadership, as well as classroom academics. Upon completion of this course a certificate will be awarded by the National Wildfire Coordination Group. (CSU, AVC)

French

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.

Elementary French 1

FREN101:

5.0 Units

Advisory: Eligibility for ENGL101 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) (GE: CSU Area C2, AVC Area C)

Elementary French 2

FREN102:

5.0 Units

Prerequisite: Completion of FREN 101. Course continues the work of FRENCH 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) (GE: IGETC Area 3B, 6A, CSU Area C2, AVC Area C)

Intermediate French 1

FREN201:

5.0 Units

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) (GE: IGETC Areas 3B, 6A, CSU Area C2, AVC Area C)

Intermediate French 2

FREN202:

5.0 Units

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) (GE: IGETC Areas 3B, 6A, CSU Area C2, AVC Area C)

Advanced French

FREN203:

3.0 Units

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) (GE: IGETC Areas 3B, 6A, CSU Area C2, AVC Area C)

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.

Geographic Info Systems LCert

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.

Program Requirements

Geographic Info Systems LCert (Total 15)

Complete the following number of credits: 15

GEOG205 - Intro Geographic Info Systems 3

GEOG220 - Data Acq & Mgt in GIS 3

GEOG221 - Spatial Analysis in GIS 3

GEOG222 - Cartography for GIS 3

GEOG298C - Special Studies in GIS 3

Program Outcomes

Geographic Info Systems LCert

Apply the steps to construct a normalized geodatabase.

Use the proper cartographic representations necessary to express spatial information.

Recognize and apply the proper geoprocessing tools and spatial statistics to solve geographic problems.

Be able to successfully design, implement, and complete a GIS project.

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

Program Requirements

Geography AA-T (Total 19 - 20)

Complete all of the following

Required Courses (Total 7)

Complete the following number of credits: 7

GEOG101 - Physical Geography: Earth's Surface Landscapes 3

GEOG101L - Physical Geography Lab: Earth's Surface Landscapes 1

Pick One: (Total 3)**Complete the following number of credits: 3**

GEOG105 - Cultural Geography 3

OR 0

GEOG110 - World Regional Geography 3

Required Electives A (Total 6 - 7)**Complete the following number of credits: 6-7**

GEOG102 - Physical Geography: Earth's Weather & Climate 3

GEOG106 - California Geography 3

GEOG201 - Map Interpretation and GPS 4

GEOG205 - Introduction to Geographic Information Systems 3

GEOG299 - Special Topics-Field Geography 1

Required Electives B (Total 6)**Complete the following number of credits: 6**

Or Any List A course not already used. 0

ANTH102 - Introduction to Cultural Anthropology 3

GEOL101 - Physical Geology 3

Recommended Pathway**Term 1****Credits****Required Courses** GEOG101 - Physical Geography: Earth's Surface Landscapes 3.0**Required Courses** GEOG101L - Physical Geography Lab: Earth's Surface Landscapes 1.0**B-4 Mathematics/Quantitative Reasoning** MATH115 - Statistics 4.0**A-2 Written Communication** ENGL101 - College Composition 3.0**C-1 Arts (art, Dance, Music, Theatre)** Any CSU GE Area C-1 3.0**Total Credits** 14.0**Term 2****Credits****Required Courses** GEOG105 - Cultural Geography 3.0**A-1 Oral Communication** COMM101 - Introduction to Public Speaking 3.0**A-3 Critical Thinking Take one of the following:**

COMM110 - Persuasion 3.0

COMM115 - Introduction to Argumentation and Debate 3.0

ENGL102 - Critical Thinking and Literature 3.0

ENGL103 - Critical Thinking and Research 3.0

PHIL101 - Fundamental Reasoning Skills 3.0

PHIL106 - Introduction to Philosophy 3.0

PHIL110 - Introduction to Logic 3.0

PHIL201 - Critical Thinking 3.0

Any CSU GE Area A-3 3.0

B-2 Life Science BIOL104 - Environmental Biology 3.0**Required Electives A** GEOG201 - Map Interpretation and GPS 4.0**Total Credits** 16.0**Term 3****Credits****Required Electives A** GEOG106 - California Geography 3.0**Required Electives B** ANTH102 - Introduction to Cultural Anthropology 3.0**C-2 Humanities** HIST107 - U.S. History, 1607-1877 3.0**Required Electives A** GEOG205 - Introduction to Geographic Information Systems 3.0**F. Ethnic Studies** Ethnic Studies Course 3.0**Total Credits** 15.0**Term 4****Credits****Required Electives A** GEOG102 - Physical Geography: Earth's Weather & Climate 3.0**Required Electives B** GEOL101 - Physical Geology 3.0**C-2 Humanities** Any CSU GE Area C-2 3.0**D. Social Sciences** POLS101 - American Political Institutions 3.0**E. Lifelong Learning and Self-Development Take one of the following:**

CFE102 - The Developing Child 3.0

COMM107 - Introduction to Interpersonal Communication 3.0

DA108 - Dance Ensemble 3.0

DA111 - Choreography 3.0

HD101 - College and Life Management 3.0

HD102 - Soldiers to Scholars 3.0

HD105 - Personal Development 3.0

HE101 - Health Education 3.0

HE120 - Stress Management 3.0

NF100 - Nutrition 3.0

NF103 - Principles of Food Preparation 3.0

NF150 - Food and Culture 3.0

PSY212 - Human Sexuality 3.0

PSY236 - Developmental Psychology 3.0

SOC111 - Issues and Concepts in Aging 3.0

SOC116 - Sociology of Gender and Sexuality 3.0

SOC120 - Drugs, Society and Human Behavior 3.0

Any CSU GE Area E 3.0

Total Credits 15.0

Program Outcomes

AA-T Geography

Students will understand the unifying themes of physical geography and have a working knowledge of the discipline's diverse conceptual and methodological approaches.

Students will understand the unifying themes of cultural geography and have a working knowledge of the discipline's diverse conceptual and methodological approaches.

Display competency in the graphic expression of geographic/spatial data (maps, photographs, graphs, databases).

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: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education---Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Program Requirements

Geology AS-T (Total 27)

GEOL101 - Physical Geology 3
GEOL101L - Physical Geology Lab 1
GEOL102 - Historical Geology 3
GEOL102L - Historical Geology Laboratory 1
CHEM110 - General Chemistry 5
CHEM120 - General Chemistry 5
MATH150 - Calculus and Analytic Geometry 5
MATH160 - Calculus and Analytic Geometry 4

Recommended Pathway

Term 1	Credits
Geology AS-T CHEM110 - General Chemistry	5.0
Geology AS-T MATH150 - Calculus and Analytic Geometry	5.0
A-2 Written Communication ENGL101 - College Composition	3.0
E. Lifelong Learning and Self-Development HD101 - College and Life Management	3.0
Total Credits	16.0
Term 2	Credits
Geology AS-T CHEM120 - General Chemistry	5.0
Geology AS-T MATH160 - Calculus and Analytic Geometry	4.0
A-3 Critical Thinking ENGL103 - Critical Thinking and Research	3.0
D. Social Sciences GEOG106 - California Geography	3.0
Total Credits	15.0
Term 3	Credits
Geology AS-T GEOL101 - Physical Geology	3.0
Geology AS-T GEOL101L - Physical Geology Lab	1.0
B-2 Life Science BIOL104 - Environmental Biology	3.0
A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
D. Social Sciences POLS101 - American Political Institutions	3.0
C-2 Humanities (Literature, Philosophy, Foreign Languages) Take one of the following:	
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
Total Credits	16.0
Term 4	Credits
Geology AS-T GEOL102 - Historical Geology	3.0

Geology AS-T GEOL102L - Historical Geology Laboratory	1.0
C-1 Arts (Art, Dance, Music, Theatre)	
Take one of the following:	
MUS101 - Music Appreciation	3.0
MUS105 - World Music	3.0
MUS111 - Fundamentals of Music (Music Theory I)	3.0
F. Ethnic Studies Take one of the following:	
Ethnic Studies Course	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
C-1 Arts (Art, Dance, Music, Theatre) Any CSU GE Area C-1 or C-2	3.0
Total Credits	13.0

Program Outcomes

AS-T Geology

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.

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.

Students will be able to comprehend and explain the interrelationships between geology and the other scientific disciplines.

Geography Courses

Physical Geography: Earth's Surface Landscapes

GEOG101:

3.0 Units

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) (GE: IGETC Area 5A, CSU Area B1, AVC Area A)

Physical Geography Lab: Earth's Surface Landscapes

GEOG101L:

1.0 Units

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) (GE: IGETC Area 5C, CSU Area B3, AVC Area A)

Physical Geography: Earth's Weather & Climate

GEOG102:

3.0 Units

Advisory: Eligibility for ENGL 101, 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) (GE: IGETC Area 5A, CSU Area B1, AVC Area A)

Physical Geography Lab: Earth's Weather & Climate

GEOG102L:

1.0 Units

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) (GE: IGETC Area 5C, CSU Area B3, AVC Area A)

Cultural Geography

GEOG105:

3.0 Units

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) (GE: IGETC Area 4E, CSU Area D5, AVC Area B)

California Geography

GEOG106:

3.0 Units

Advisory: Completion of GEOG 101 or GEOG 105.

Eligibility for ENGL 101 or placement by multiple measures. This course will explore 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 will 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) (GE: IGETC Area 4, CSU Area D5, AVC Area B)

World Regional Geography

GEOG110:

3.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. 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) (GE: IGETC Area 4E, CSU Area D5, AVC Area B)

Map Interpretation and GPS

GEOG201:

4.0 Units

Advisory: Eligibility for 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) (GE: AVC Area D2)

Introduction to Geographic Information Systems

GEOG205:

3.0 Units

Advisory: Completion of CA 103 and MATH 105, and Completion of or concurrent enrollment in GEOG 201 and Completion of Intermediate Algebra or higher or placement by multiple measures. Eligibility for ENGL 101 or placement by multiple measures. This course will introduce students to the fundamentals of Geographic Information Systems (GIS). Students will explore the methods, technology and software used to capture, manage, analyze and present geographic data. Students will use their knowledge to complete a GIS project in a field of interest. 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) (CSU, AVC) (GE: AVC Area D2)

Data Acquisition and Management in Geographic Information Systems (GIS)

GEOG220:

3.0 Units

Prerequisite: Completion of GEOG 205. Advisory: Completion of CA 131, completion of Intermediate Algebra or higher or placement by multiple measures, and completion of or concurrent enrollment in MATH 115/MATH 116, and eligibility for ENGL 101 or placement by multiple measures. This course provides a general survey of basic methods of data acquisition, database design and management for 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)

Spatial Analysis in Geographic Information Systems (GIS)

GEOG221:

3.0 Units

Prerequisite: Completion of GEOG 205. Advisory: Completion of Intermediate Algebra or higher or placement by multiple measures, and eligibility for ENGL 101 or placement by multiple measures. 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. (CSU, UC, AVC)

Cartography for Geographic Information Systems (GIS)

GEOG222:

3.0 Units

Prerequisite: Completion of GEOG 205. This course provides a general survey of basic methods used for the presentation of geographic information systems (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)

Special Studies in Geographic Information Systems (GIS)

GEOG298C:

3.0 Units

Prerequisite: Completion of GEOG 205. Advisory: Completion of ENGL 101 and MATH 115/MATH 116. This course provides students with the opportunity to work independently on a GIS project. Students will use GIS skills to collect data, model, and analyze 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)

Special Topics-Field Geography

GEOG299:

1.0 Units

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

Physical Geology

GEOL101:

3.0 Units

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) (GE: IGETC Area 5A, CSU Area B1, AVC Area A)

Physical Geology Lab

GEOL101L:

1.0 Units

Prerequisite: Completion of Intermediate Algebra or higher or placement by multiple measures. Corequisite: Completion of or Concurrent enrollment in GEOL 101 , Advisory: Eligibility for ENGL 101 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) (GE: Area 5C, CSU Area B3, AVC Area A)

Historical Geology

GEOL102:

3.0 Units

Advisory: Completion of or concurrent enrollment GEOL 101. GEOL 102 and GEOL 102L are the capstone courses for the A.S. - T. in Geology. Prerequisite: Completion of Intermediate Algebra or higher or placement by multiple measures. Students interested in an introductory geology course to fill general education transfer requirements should consider GEOL 101 and GEOL 101L. 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) (GE: Area 5A, CSU Area B1, AVC Area A)

Historical Geology Laboratory

GEOL102L:

1.0 Units

Advisory: GEOL 102 and GEOL 102L are the capstone courses for the A.S. - T. in Geology. Prerequisite: Completion of Intermediate Algebra or higher or placement by multiple measures. Corequisite: Concurrent enrollment in GEOL 102 or previous passing grade in GEOL 102. Students interested in an introductory geology course to fill general education transfer requirements should consider GEOL 101 and GEOL 101L. 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) (GE: Area 5C, CSU Area B3, AVC Area A)

German

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.

Elementary German 1

GER101:

5.0 Units

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) (GE: CSU Area C2, AVC Area C)

Elementary German 2

GER102:

5.0 Units

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) (GE: IGETC Areas 3B, 6A, CSU Area C2, AVC Area C)

Intermediate German 1

GER201:

4.0 Units

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 pursuing 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) (GE: IGETC Areas 3B, 6A, CSU Area C2, AVC Area C)

Intermediate German 2

GER202:

4.0 Units

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 pursuing 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) (GE: IGETC Areas 3B, 6A, CSU Area C2, AVC Area C)

Health Education

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.

First Aid and Emergency Care

HE100:

3.0 Units

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. (CSU, UC, AVC) (R unlimited)

Health Education

HE101:

3.0 Units

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) (GE: CSU Area E, AVC Area E)

Ethnic Health Issues

HE110:

3.0 Units

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)

Stress Management

HE120:

3.0 Units

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) (GE: CSU Area E, AVC Area E)

Work Experience

HE199:

1.0 - 4.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Women's Health Issues

HE201:

3.0 Units

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) (GE: AVC Areas E, F)

History

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.

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: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Attainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Program Requirements

History AA-T (Total 18)

Complete all of the following

Required Core (Total 6)

Complete the following number of credits: 6

HIST107 - U.S. History, 1607-1877 3

HIST108 - U.S. History from 1865 3

Required Electives A (Total 6)

Complete the following number of credits: 6

List A (Total 3)

Complete the following number of credits: 3

HIST101 - Western Civilization, Ancient-1750 3

HIST104 - Intr to Wrld Civ Beg to 1500 3

List B (Total 3)

Complete the following number of credits: 3

HIST102 - Western Civilization, 1750 - Present 3

HIST105 - Introduction to World Civilization, 1500 - Present 3

Required Electives B (Total 6)

Complete the following number of credits: 6

Select one course from each area (6 units) 0

Area 1 (Total 3 - 24)

Complete at least one of the following rules

HIST104 - Intr to Wrld Civ Beg to 1500 3

HIST105 - Introduction to World Civilization, 1500 - Present 3

HIST110 - African-American History, 1450-1877 3

HIST111 - African-American History, 1877-Present 3

HIST113 - Women in American History 3

HIST115 - Cultural History of Mexico 3

HIST116 - Contemporary U.S. History: From Vietnam to Iraq 3

HIST119 - History of Latin America & the Caribbean 3

Area 2 (Total 3 - 6)

Complete at least one of the following rules

HIST114 - History of California 3

HIST118 - American West History, 1806-Present 3

Recommended Pathway

History AA-T

Term 1

Credits

Required Core HIST107 - U.S. History, 1607-1877 3.0

A-1 Oral Communication Take one of the following:

COMM101 - Introduction to Public Speaking 3.0

A-2 Written Communication ENGL101 - College Composition 3.0

E. Lifelong Learning and Self-Development

Take one of the following:

CFE102 - The Developing Child 3.0

COMM107 - Introduction to Interpersonal Communication 3.0

DA108 - Dance Ensemble 3.0

DA111 - Choreography	3.0	ENGL103 - Critical Thinking and Research	3.0
HD101 - College and Life Management	3.0	PHIL101 - Fundamental Reasoning Skills	3.0
HD102 - Soldiers to Scholars	3.0	PHIL106 - Introduction to Philosophy	3.0
HD105 - Personal Development	3.0	PHIL110 - Introduction to Logic	3.0
HE101 - Health Education	3.0	PHIL201 - Critical Thinking	3.0
HE120 - Stress Management	3.0	Any CSU GE Area A-3	3.0
NF100 - Nutrition	3.0	B-3 Laboratory Activity Take one of the following:	
NF103 - Principles of Food Preparation	3.0	ANTH101L - Biological Anthropology Lab	1.0
NF150 - Food and Culture	3.0	ASTR101L - Astronomy Laboratory	1.0
PSY212 - Human Sexuality	3.0	BIOL101L - General Biology Lab	1.0
PSY236 - Developmental Psychology	3.0	GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
SOC111 - Issues and Concepts in Aging	3.0	GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0
SOC116 - Sociology of Gender and Sexuality	3.0	GEOL101L - Physical Geology Lab	1.0
SOC120 - Drugs, Society and Human Behavior	3.0	GEOL102L - Historical Geology Laboratory	1.0
Any CSU GE Area E	3.0	Any CSU GE Area B-3	1.0
B-4 Mathematics/Quantitative Reasoning Take one of the following:		B-2 Life Science Take one of the following:	
MATH110 - Mathematics for Liberal Arts Students	3.0	ANTH101 - Introduction to Biological Anthropology	3.0
MATH115 - Statistics	4.0	BIOL101 - General Biology	3.0
MATH116 - Introduction to Statistics Using R	4.0	BIOL102 - Human Biology	4.0
MATH120 - Math for Teachers	3.0	BIOL103 - Introduction to Botany	4.0
MATH124 - Finite Math	4.0	BIOL104 - Environmental Biology	3.0
MATH128 - College Algebra for Liberal Arts	3.0	BIOL110 - General Molecular Cell Biology	5.0
MATH135 - Plane Trigonometry	3.0	BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
MATH140 - Precalculus	4.0	BIOL201 - General Human Anatomy	4.0
MATH148 - Calculus for Business and Economics	4.0	BIOL202 - General Human Physiology	4.0
MATH150 - Calculus and Analytic Geometry	5.0	BIOL204 - General Microbiology	5.0
MATH160 - Calculus and Analytic Geometry	4.0	BIOL205 - Introduction to Biotechnology	3.0
MATH220 - Linear Algebra	4.0	Any CSU GE Area B-2	3.0
MATH230 - Introduction to Ordinary Differential Equations	4.0	B-1 Physical Science Take one of the following:	
MATH250 - Calculus and Analytic Geometry	4.0	ASTR101 - Astronomy	3.0
Any CSU GE Area B-4	3.0	CHEM101 - Introductory Chemistry	5.0
Total Credits	15.0 - 17.0	CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0
Term 2	Credits	CHEM110 - General Chemistry	5.0
Required Core HIST108 - U.S. History from 1865	3.0	CHEM120 - General Chemistry	5.0
A-3 Critical Thinking Take one of the following:		CHEM210 - Organic Chemistry	4.0
COMM110 - Persuasion	3.0	CHEM220 - Organic Chemistry	4.0
COMM115 - Introduction to Argumentation and Debate	3.0	ERSC101 - Introduction to Earth Science	4.0
ENGL102 - Critical Thinking and Literature	3.0		

GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
GEOL101 - Physical Geology	3.0
GEOL102 - Historical Geology	3.0
PHYS101 - Introductory Physics	4.0
PHYS102 - Introductory Physics	4.0
PHYS110 - General Physics	4.0
PHYS120 - General Physics	4.0
PHYS211 - General Physics	5.0
PSCI101 - Physical Science	4.0
Any CSU GE Area B-1	3.0

Total Credits 13.0 - 17.0

Term 3 Credits

List A Take one of the following:

HIST101 - Western Civilization, Ancient-1750	3.0
HIST104 - Intr to Wrld Civ Beg to 1500	3.0

Area 1 Take one of the following:

HIST104 - Intr to Wrld Civ Beg to 1500	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
HIST115 - Cultural History of Mexico	3.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
HIST119 - History of Latin America and the Caribbean	3.0

C-1 Arts (art, Dance, Music, Theatre) Any CSU GE Area C-1 3.0

C-2 Humanities Any CSU GE Area C-2 3.0

C-1 Arts (art, Dance, Music, Theatre) Any CSU GE Area C-1 3.0

C-1 Arts (art, Dance, Music, Theatre) Any CSU GE Area C-1 3.0

C-1 Arts (art, Dance, Music, Theatre) Any CSU GE Area C-1 3.0

C-1 Arts (art, Dance, Music, Theatre) Any CSU GE Area C-1 3.0

C-2 Humanities Any CSU GE Area C-2 3.0

C-1 Arts (art, Dance, Music, Theatre) Any CSU GE Area C-1 3.0

Total Credits 15.0

Term 4 Credits

List B HIST102 - Western Civilization, 1750 - Present 3.0

Area 2 Take one of the following:

HIST114 - History of California	3.0
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HIST118 - American West History, 1806-Present	3.0
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F. Ethnic Studies Take one of the following:

Ethnic Studies Course	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0

Elective Take one of the following:

General Elective	1.0
General Elective	2.0
General Elective	3.0
BUS101 - Introduction to Business	3.0
KINF130 - Physical Conditioning	1.0
ART101 - History of Art, Prehistoric to Gothic	3.0
HE101 - Health Education	3.0
HIST101 - Western Civilization, Ancient-1750	3.0
MUS101 - Music Appreciation	3.0
PHOT107 - History of Photography	3.0
DA101 - Dance Appreciation	3.0
FTV101 - Introduction to Film	3.0
PSY101 - General Psychology	3.0
Elective General Elective	2.0
Total Credits	12.0 - 14.0

Program Outcomes

AA-T History

Identify major individuals and cultural, economic, political, social, and religious events from American History, 1607-present.

Recognize significant problems arising in American History, 1607-present.

Evaluate the repetitive cycle of history relevant to American History, 1607-present.

Western Civilization, Ancient-1750

HIST101:

3.0 Units

A broad historical study of major elements in the Western heritage. This course is designed to further the student's general education and introduce the ideas, attitudes and institutions basic to Western civilization. Covers the period from the beginning of civilization to 1750. (C-ID: HIST 170) (UC, CSU, AVC) (GE: IGETC Areas 3B, 4, CSU Areas C2, D, AVC Area B)

Western Civilization, 1750 - Present

HIST102:

3.0 Units

A broad historical study of major elements in the Western heritage. This course is designed to further the student's general education and introduce the ideas, attitudes and institutions basic to Western civilization. Covers the period from 1750 to the present. (C-ID: HIST 180) (UC, CSU, AVC) (GE: IGETC Areas 3B, 4, CSU Areas C2, D, AVC Area B)

Introduction to World Civilizations, from Human Beginnings Until 1500

HIST104:

3.0 Units

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) (GE: IGETC Areas 3B, 4F, CSU Areas C2, D6, AVC Area B)

Introduction to World Civilization, 1500 - Present

HIST105:

3.0 Units

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) (GE: IGETC Areas 3B, 4, CSU Areas C2, D, AVC Area B)

U.S. History, 1607-1877

HIST107:

3.0 Units

A comprehensive interpretive analysis of the political and social development of the nation to 1877. Considerable attention is also given to economic developments and to cultural and intellectual currents. Includes reference to the antebellum political history of California inside the framework of general United States history. (C-ID: HIST 130) (UC, CSU, AVC) (GE: IGETC Areas 3B, 4, CSU Areas C2, D, AVC Area B)

U.S. History from 1865

HIST108:

3.0 Units

A comprehensive interpretive analysis of the political and social development of the nation from 1865 to the present. Considerable attention is also given to economic developments and to cultural and intellectual currents. Includes reference to the postbellum political history of California inside the framework of general United States history. (C-ID: HIST 140) (UC, CSU, AVC) (GE: IGETC Areas 3B, 4, CSU Areas C2, D, AVC Area B)

African-American History, 1450-1877

HIST110:

3.0 Units

Advisory: Completion of 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) (GE: IGETC Areas 3B, 4F, CSU Areas C2, D, AVC Areas B, F)

African-American History, 1877-Present

HIST111:

3.0 Units

Advisory: Completion of 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) (GE: IGETC Areas 3B, 4F, CSU Areas C2, D, AVC Areas B, F)

Women in American History

HIST113:

3.0 Units

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) (GE: IGETC Areas 3B, 4F, CSU Areas C2, D6, AVC Areas B, F)

History of California

HIST114:

3.0 Units

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) (GE: IGETC Area 4, CSU Area D, AVC Area B)

Cultural History of Mexico

HIST115:

3.0 Units

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) (GE: IGETC Area 3B, CSU Areas C1, C2, AVC Area C)

Contemporary U.S. History: From Vietnam to Iraq

HIST116:

3.0 Units

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) (GE: IGETC Area 4F, CSU Area D6, AVC Area B)

American West History, 1806-Present

HIST118:

3.0 Units

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) (GE: IGETC Area 4, CSU Areas C2, D, AVC Area B)

History of Latin America and the Caribbean

HIST119:

3.0 Units

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) (GE: IGETC Areas 3B, 4, CSU Areas C2, D, AVC Area B)

Work Experience

HIST199:

1.0 - 4.0 Units

Human Development

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.

Basic Strategies For College Success

HD100:

1.5 Units

This is an intensive course designed to teach students the basic skills needed to manage their lives and be successful in college. An orientation to college services, programs, and policies is included, as well as educational counseling. The course also includes the identification of strengths, self-esteem enhancement, time-management, stress-management, study strategies, test-taking strategies, outlining, note taking, goal-setting, money management, instructor relations, assertiveness, and an orientation to the Library and Learning Center. (AVC) (GE: AVC Area E)

College and Life Management

HD101:

3.0 Units

Advisory: Eligibility for 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) (GE: CSU Area E, AVC Area E)

Soldiers to Scholars

HD102:

3.0 Units

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) (GE: CSU Area E, AVC Area E)

Career Planning

HD103:

1.5 Units

The primary objective of this course is to lead students through a process that will enable them to make satisfying career choices and conduct a successful job search. The course is designed to guide students in a self-exploration and assessment of values, interests, skills, abilities, and personal characteristics relative to career selection and develop the skills to secure a job in their chosen career field. Students will learn self-assessment, decision-making, goal-setting, job search, resume writing and interviewing skills. (AVC) (GE: AVC Area E)

Personal Development

HD105:

3.0 Units

Advisory: Completion of 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) (GE: CSU Area E, AVC Area E)

Work Experience

HD199:

1.0 - 4.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Industrial Manufacturing

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.

Industrial Manufacturing Technician Apprentice

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 number of credits: 16.5

IMTA110 - Industrial Manufacturing Technician

Apprentice 1 6

IMTA210 - Industrial Manufacturing Technician

Apprentice 2 6

IMTA112 - Mathematics for the Machine Trades 2

IMTA212 - Communications for Apprentices [420-712] 2

IMTA255 - Transition to Trainer: Your role as a Journey Worker [455-455] 0.5

Recommended Pathway

Industrial Manufacturing Technician Apprentice

Term 1	Credits
Industrial Manufacturing Technician Apprentice IMTA110 - Industrial Manufacturing Technician Apprentice 1	6.0

Industrial Manufacturing Technician Apprentice IMTA112 - Mathematics for the Machine Trades	2.0
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Total Credits	8.0
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Term 2	Credits
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Industrial Manufacturing Technician Apprentice IMTA210 - Industrial Manufacturing Technician Apprentice 2	6.0
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Industrial Manufacturing Technician Apprentice IMTA212 - Communications for Apprentices [420-712]	2.0
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Industrial Manufacturing Technician Apprentice IMTA255 - Transition to Trainer: Your role as a Journey Worker [455-455]	0.5
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Total Credits	8.5
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Program Outcomes

Industrial Manufacturing Technician Apprentice

Deliver orally, a set of instructions to another individual. Write a technical memo. Communicate a technical process to a small group.

Apply math skills to manufacturing processes and problems.

Quality manufacturing through the interpretation and verification of measurements taken from blueprints and mechanical drawings. Using mathematical calculations and precision measurements for tolerances.

Blueprint reading and interpretation.

Apply machine control and automation, lean manufacturing principles, and problem-solving to high-performance manufacturing.

Industrial Manufacturing Technician Apprentice 1

IMTA110:

6.0 Units

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)

Mathematics for the Machine Trades

IMTA112:

2.0 Units

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)

Industrial Manufacturing Technician Apprentice 2

IMTA210:

6.0 Units

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)

Communications for Apprentices [420-712]

IMTA212:

2.0 Units

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)

Transition to Trainer: Your role as a Journey Worker [455-455]

IMTA255:

0.5 Units

Advisory: Concurrent enrollment in IMTA 212 and IMTA 210. 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)

Journalism

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.

Beginning Journalism

JOUR121:

3.0 Units

Prerequisite: Completion of ENGL 101. 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) (CSU, UC, AVC)

Newspaper Production

JOUR123:

3.0 Units

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. (CSU, UC, AVC)

Work Experience

JOUR199:

1.0 - 4.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Kinesiology

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.

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: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Program Requirements

Kinesiology AA-T (Total 20 - 23)

Complete all of the following
Required Courses (Total 14)

Complete the following number of credits: 14

BIOL201 - General Human Anatomy 4
BIOL202 - General Human Physiology 4
KINT100 - Introduction to Kinesiology 3

MOVEMENT BASED COURSES (3 units max). Select one course maximum from any three of the following areas: 0

[AQUATICS] 0

KINF191 - Beginning Swimming 1

KINF193 - Beginning Water Aerobics 1

KINF195 - Beginning Fitness Swimming 1

KINF196 - Intermediate Fitness Swimming 1

KINF190 - Beginning Swimming for Non-swimmers 1

KINF194 - Intermediate Water Aerobics 1

KINF192 - Intermediate Swimming 1

[DANCE] 0

DA103 - Beginning Modern Dance 1

DA106 - Ballroom Dance 1

[FITNESS] 0

KINF107 - Beginning Weight Lifting 1

KINF108 - Intermediate Weight Lifting 1

KINF130 - Physical Conditioning 1

KINF144 - Hatha Yoga 1

[INDIVIDUAL SPORTS] 0

KINF160 - Beginning Tennis 1

KINF161 - Intermediate Tennis 1

KINF260 - Advanced Tennis 1

[TEAM SPORTS] 0

KINF140 - Beginning Golf 1

KINF180 - Beginning Volleyball 1

KINF181 - Intermediate Volleyball 1

KINF220 - Advanced Basketball 1

KINF280 - Advanced Volleyball 1

KINF150 - Beginning Soccer 1

KINF151 - Intermediate Soccer 1

KINF115 - Beginning Fast-Pitch Softball 1

KINF116 - Intermediate Fast-Pitch Softball 1

KINF215 - Advanced Fast-Pitch Softball 1

Required Elective List A (Select Two) (Total 6 - 9)

Complete the following number of credits: 6-9

MATH115 - Statistics 4

CHEM110 - General Chemistry 5

PHYS101 - Introductory Physics 4

HE100 - First Aid and Emergency Care 3

HE101 - Health Education 3

<<CHOOSE EITHER PSY101 GENERAL
PSYCHOLOGY OR SOC101 INTRODUCTION TO
SOCIOLOGY>> 0

PSY101 - General Psychology 3

OR 0

SOC101 - Introduction to Sociology 3

Recommended Pathway

Kinesiology AA-T

Term 1

Credits

A-1 Oral Communication COMM101 -
Introduction to Public Speaking

3.0

A-2 Written Communication ENGL101 - College Composition	3.0	C-1 Arts (art, Dance, Music, Theatre) Take one of the following:	
B-2 Life Science BIOL101 - General Biology	3.0	ART100 - Art Appreciation	3.0
B-4 Mathematics/Quantitative Reasoning MATH115 - Statistics	4.0	ART101 - History of Art, Prehistoric to Gothic	3.0
E. Lifelong Learning and Self-Development Take one of the following:		ART102 - History of Art, Renaissance to Modern	3.0
CFE102 - The Developing Child	3.0	ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
COMM107 - Introduction to Interpersonal Communication	3.0	ART104 - History of Modern and Contemporary Art in the 20th Century	3.0
DA108 - Dance Ensemble	3.0	ART106 - History of Art: Asia	3.0
DA111 - Choreography	3.0	ART113 - Painting I	3.0
HD101 - College and Life Management	3.0	ART132 - Introduction to Ceramics: Hand-Building	3.0
HD102 - Soldiers to Scholars	3.0	ART135 - Beginning Wheel-Thrown Ceramics	3.0
HD105 - Personal Development	3.0	ART137 - Advanced Wheel-Thrown Ceramics	3.0
HE101 - Health Education	3.0	ART140 - Watercolor	3.0
HE120 - Stress Management	3.0	ART145 - 2-D Design Basics	3.0
NF100 - Nutrition	3.0	ART163 - Painting II	3.0
NF103 - Principles of Food Preparation	3.0	ART170 - Drawing II	3.0
NF150 - Food and Culture	3.0	ART213 - Painting III	3.0
PSY212 - Human Sexuality	3.0	COMM112 - Oral Interpretation	3.0
PSY236 - Developmental Psychology	3.0	COMM114 - Art of Storytelling	3.0
SOC111 - Issues and Concepts in Aging	3.0	DA101 - Dance Appreciation	3.0
SOC116 - Sociology of Gender and Sexuality	3.0	FTV101 - Introduction to Film	3.0
SOC120 - Drugs, Society and Human Behavior	3.0	FTV107 - History of Film, Pre 1950	3.0
Any CSU GE Area E	3.0	FTV108 - History of Film, 1950-Present	3.0
Total Credits	16.0	FTV201 - Intercultural & Women's Film	3.0
Term 2	Credits	FTV203 - African-American Cinema	3.0
Required Elective List A (Select Two)	4.0	FTV251 - Contemporary American Independent Film	4.0
PHYS101 - Introductory Physics		HIST115 - Cultural History of Mexico	3.0
A-3 Critical Thinking Take one of the following:		MUS101 - Music Appreciation	3.0
COMM110 - Persuasion	3.0	MUS105 - World Music	3.0
COMM115 - Introduction to Argumentation and Debate	3.0	MUS111 - Fundamentals of Music (Music Theory I)	3.0
ENGL102 - Critical Thinking and Literature	3.0	MUS121 - Voice Class	1.0
ENGL103 - Critical Thinking and Research	3.0	MUS126 - Classical Guitar	1.0
PHIL101 - Fundamental Reasoning Skills	3.0	MUS131 - Piano I	2.0
PHIL106 - Introduction to Philosophy	3.0	MUS132 - Piano II	2.0
PHIL110 - Introduction to Logic	3.0		
PHIL201 - Critical Thinking	3.0		
Any CSU GE Area A-3	3.0		

MUS151 - Music Theory II	3.0	CHIN101 - Elementary Chinese I	5.0
MUS153B - Musicianship II	2.0	CHIN102 - Elementary Chinese 2	5.0
MUS160 - Symphonic Band	1.0	CHIN201 - Intermediate Chinese	5.0
MUS166 - Orchestra A	1.0	CHIN202 - Intermediate Chinese	5.0
MUS185 - Concert Choir	1.0	COMM112 - Oral Interpretation	3.0
MUS231 - Piano III	2.0	COMM217 - Gender and Communication	3.0
MUS251A - Music Theory III	3.0	COMM219 - Introduction to Intercultural Communication	3.0
MUS251B - Music Theory IV	3.0	DFST101 - American Sign Language I	4.0
MUSC102 - History of Jazz	3.0	DFST102 - American Sign Language II	4.0
MUSC103 - History of Rock 'n Roll	3.0	DFST201 - American Sign Language III	4.0
MUSC107 - History of Women in Rock Music	3.0	DFST202 - American Sign Language IV	4.0
MUSC108 - History of Hip Hop	3.0	ENGL102 - Critical Thinking and Literature	3.0
MUSC142 - Musical Theatre Workshop	1.0	ENGL111 - Creative Writing: Fiction	3.0
MUSC173 - Beginning Jazz Ensemble	1.0	ENGL112 - Creative Writing: Poetry	3.0
MUSC220A - Commercial Music Ensemble A	2.0	ENGL221 - American Literature 1400-1865	3.0
MUSC273 - Intermediate Jazz Ensemble	1.0	ENGL222 - American Literature 1865-Present	3.0
PHOT107 - History of Photography	3.0	ENGL225 - English Literature, 800-1750	3.0
PHTC101 - Beginning Black and White Photography	3.0	ENGL227 - English Literature, 1750-Present	3.0
PHTC150 - Beginning Color Photography	3.0	ENGL230 - World Literature 1	3.0
PHTC201 - Advanced Black and White Photography	3.0	ENGL231 - World Literature 2	3.0
THA101 - Introduction to Theatre	3.0	ENGL235 - Shakespeare and Culture	3.0
THA102 - Introduction to Stagecraft	3.0	ENGL242 - Narrative and Culture	3.0
THA110 - Fundamentals of Acting	3.0	ENGL253 - African American Literature	3.0
THA130 - Improvisation	3.0	ENGL256 - Latinx Literature	3.0
THA225 - Script Analysis	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
Any CSU GE Area C-1	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
Any CSU GE Area C-1 or C-2	3.0	ENGL265 - Film: Text and Context	3.0
Total Credits	8.0 - 11.0	ENGL279 - Science Fiction and Dystopian Literature	3.0
Term 3	Credits	FREN101 - Elementary French 1	5.0
Required Courses BIOL201 - General Human Anatomy	4.0	FREN102 - Elementary French 2	5.0
Required Courses KINT100 - Introduction to Kinesiology	3.0	FREN201 - Intermediate French 1	5.0
F. Ethnic Studies Take one of the following:		FREN202 - Intermediate French 2	5.0
Ethnic Studies Course	3.0	FREN203 - Advanced French	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	FTV201 - Intercultural & Women's Film	3.0
C-2 Humanities Take one of the following:		FTV203 - African-American Cinema	3.0
		FTV251 - Contemporary American Independent Film	4.0

GER101 - Elementary German 1	5.0	SPAN210SS - Spanish for Heritage Speakers II	5.0
GER102 - Elementary German 2	5.0	SPAN220SS - Composition and Conversation	5.0
GER201 - Intermediate German 1	4.0	THA239 - Intercultural and Women's Theatre	3.0
GER202 - Intermediate German 2	4.0	Any CSU GE Area C-2	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	Any CSU GE Area C-1 or C-2	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	Elective Take one of the following:	
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	General Elective	1.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	General Elective	2.0
HIST107 - U.S. History, 1607-1877	3.0	General Elective	3.0
HIST108 - U.S. History from 1865	3.0	BUS101 - Introduction to Business	3.0
HIST110 - African-American History, 1450-1877	3.0	KINF130 - Physical Conditioning	1.0
HIST111 - African-American History, 1877-Present	3.0	ART101 - History of Art, Prehistoric to Gothic	3.0
HIST113 - Women in American History	3.0	HE101 - Health Education	3.0
HIST115 - Cultural History of Mexico	3.0	HIST101 - Western Civilization, Ancient-1750	3.0
HIST118 - American West History, 1806-Present	3.0	MUS101 - Music Appreciation	3.0
HIST119 - History of Latin America and the Caribbean	3.0	PHOT107 - History of Photography	3.0
LATN101 - Elementary Latin 1	5.0	DA101 - Dance Appreciation	3.0
LATN102 - Elementary Latin 2	5.0	FTV101 - Introduction to Film	3.0
LATN201 - Intermediate Latin	5.0	PSY101 - General Psychology	3.0
MUSC108 - History of Hip Hop	3.0	Total Credits	14.0 - 18.0
NF150 - Food and Culture	3.0	Term 4	Credits
PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0	Required Courses BIOL202 - General Human Physiology	4.0
PHIL106 - Introduction to Philosophy	3.0	Required Elective List A (Select Two)	
PHIL108 - Philosophy of Religion	3.0	HE100 - First Aid and Emergency Care	3.0
PHIL109 - World Religions	3.0	D. Social Sciences Take one of the following:	
PHOT107 - History of Photography	3.0	AJ206 - Criminology	3.0
SPAN101 - Elementary Spanish 1	5.0	ANTH102 - Introduction to Cultural Anthropology	3.0
SPAN102 - Elementary Spanish 2	5.0	ANTH103 - Archaeology and World Prehistory	3.0
SPAN110SS - Spanish for Heritage Speakers I	5.0	ANTH110 - Latin American Cultures	3.0
SPAN201 - Intermediate Spanish 1	5.0	ANTH112 - Ethnic Studies: Native North Americans	3.0
SPAN202 - Intermediate Spanish 2	5.0	ANTH140 - Introduction to Archaeology	4.0
SPAN203 - Introduction to Hispanic Literature	3.0	BUS212 - Women in Organizations	3.0
		CFE102 - The Developing Child	3.0
		CFE103 - Child in Family&Community Rel	3.0
		DFST105 - Introduction to American Deaf Culture	3.0

DFST106 - Introduction to Deaf Education	3.0	PSY212 - Human Sexuality	3.0
DFST110 - Power, Privilege, and Oppression	3.0	PSY230 - Social Psychology	3.0
ECON100 - Survey of Economics	3.0	PSY232 - Theories of Personality	3.0
ECON101 - Principles of Macroeconomics	3.0	PSY233 - Personal and Social Adjustment	3.0
ECON102 - Principles of Microeconomics	3.0	PSY234 - Abnormal Psychology	3.0
ECON110 - Economics of the Underclass	3.0	PSY235 - Child Psychology	3.0
GEOG105 - Cultural Geography	3.0	PSY236 - Developmental Psychology	3.0
GEOG106 - California Geography	3.0	SOC101 - Introduction to Sociology	3.0
GEOG110 - World Regional Geography	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	SOC110 - Ethnic Relations	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC115 - Modern Relationships and Family Life	3.0
HIST107 - U.S. History, 1607-1877	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST108 - U.S. History from 1865	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST110 - African-American History, 1450-1877	3.0	SOC200 - Research Methods for the Social Sciences	3.0
HIST111 - African-American History, 1877-Present	3.0	Any CSU GE Area D	3.0
HIST113 - Women in American History	3.0	D. Social Sciences Take one of the following:	
HIST114 - History of California	3.0	AJ206 - Criminology	3.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0	ANTH102 - Introduction to Cultural Anthropology	3.0
HIST118 - American West History, 1806-Present	3.0	ANTH103 - Archaeology and World Prehistory	3.0
HIST119 - History of Latin America and the Caribbean	3.0	ANTH110 - Latin American Cultures	3.0
POLS101 - American Political Institutions	3.0	ANTH112 - Ethnic Studies: Native North Americans	3.0
POLS103 - Comparative Government	3.0	ANTH140 - Introduction to Archaeology	4.0
POLS200 - Introduction to Political Theory	3.0	BUS212 - Women in Organizations	3.0
POLS201 - Contemporary International Relations	3.0	CFE102 - The Developing Child	3.0
POLS202 - Ethnic Politics in America	3.0	CFE103 - Child in Family&Community Rel	3.0
POLS203 - The Judicial Process	3.0	DFST105 - Introduction to American Deaf Culture	3.0
PSY101 - General Psychology	3.0	DFST106 - Introduction to Deaf Education	3.0
PSY200 - Introduction to Research Methods in Psychology	3.0	DFST110 - Power, Privilege, and Oppression	3.0
PSY201 - Introduction to Physiological Psychology	3.0	ECON100 - Survey of Economics	3.0
		ECON101 - Principles of Macroeconomics	3.0
		ECON102 - Principles of Microeconomics	3.0
		ECON110 - Economics of the Underclass	3.0

GEOG105 - Cultural Geography	3.0	PSY236 - Developmental Psychology	3.0
GEOG106 - California Geography	3.0	SOC101 - Introduction to Sociology	3.0
GEOG110 - World Regional Geography	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	SOC110 - Ethnic Relations	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC115 - Modern Relationships and Family Life	3.0
HIST107 - U.S. History, 1607-1877	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST108 - U.S. History from 1865	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST110 - African-American History, 1450-1877	3.0	SOC200 - Research Methods for the Social Sciences	3.0
HIST111 - African-American History, 1877-Present	3.0	Any CSU GE Area D	3.0
HIST113 - Women in American History	3.0	Total Credits	13.0 - 15.0
HIST114 - History of California	3.0		
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0		
HIST118 - American West History, 1806-Present	3.0		
HIST119 - History of Latin America and the Caribbean	3.0		
POLS101 - American Political Institutions	3.0		
POLS103 - Comparative Government	3.0		
POLS200 - Introduction to Political Theory	3.0		
POLS201 - Contemporary International Relations	3.0		
POLS202 - Ethnic Politics in America	3.0		
POLS203 - The Judicial Process	3.0		
PSY101 - General Psychology	3.0		
PSY200 - Introduction to Research Methods in Psychology	3.0		
PSY201 - Introduction to Physiological Psychology	3.0		
PSY212 - Human Sexuality	3.0		
PSY230 - Social Psychology	3.0		
PSY232 - Theories of Personality	3.0		
PSY233 - Personal and Social Adjustment	3.0		
PSY234 - Abnormal Psychology	3.0		
PSY235 - Child Psychology	3.0		

Program Outcomes

Demonstrate, apply and incorporate the physiological aspects of human movement required for understanding the Kinesiology and Exercise Science disciplines.

Understand and apply life time skills employed by those in physical fitness, personal fitness, and coaching careers.

Recognize and apply an understanding of the diversity of backgrounds, body types and physical needs relative to Kinesiology.

Yoga Instructor LCert

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 LCert (Total 12)

Complete the following number of credits: 12

KINT240 - Yoga Teacher Training 1—Yogic Lifestyle and Yoga as a Healing Practice 3

KINT241 - Yoga Teacher Training 2—Gross and Subtle Anatomy 3

KINT242 - Yoga Teacher Training 3—Pedagogy: The Art and Science of Teaching 3

KINT243 - Yoga Teacher Training 4—Social Applications of Yoga 3

Recommended Pathway

Yoga Cert.

Term 1

Credits

Yoga Instructor LCert KINT240 - Yoga Teacher Training 1—Yogic Lifestyle and Yoga as a Healing Practice 3.0

Yoga Instructor LCert KINT241 - Yoga Teacher Training 2—Gross and Subtle Anatomy 3.0

Total Credits 6.0

Term 2

Credits

Yoga Instructor LCert KINT242 - Yoga Teacher Training 3—Pedagogy: The Art and Science of Teaching 3.0

Yoga Instructor LCert KINT243 - Yoga Teacher Training 4—Social Applications of Yoga 3.0

Total Credits 6.0

Program Outcomes

Yoga Instructor LCert

Fulfill the training requirements of the Yoga Alliance Organization for the 200 hour teacher training.

Demonstrate and apply the ability to safely and effectively teach yoga to individuals and groups.

KINF Courses

Adaptive Physical Education

KINF100:

1.0 Units

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) (GE: AVC Area E)

Beginning Weight Lifting

KINF107:

1.0 Units

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) (GE: AVC Area E)

Intermediate Weight Lifting

KINF108:

1.0 Units

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) (GE: AVC Area E)

Beginning Fast-Pitch Softball

KINF115:

1.0 Units

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) (GE: AVC Area E)

Intermediate Fast-Pitch Softball

KINF116:

1.0 Units

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) (GE: AVC Area E)

Physical Conditioning

KINF130:

0.5 - 1.0 Units

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) (GE: AVC Area E)

Aerobic Conditioning

KINF132:

1.0 Units

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) (GE: AVC Area E)

Beginning Golf

KINF140:

1.0 Units

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) (GE: AVC Area E)

Hatha Yoga

KINF144:

0.5 - 1.0 Units

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) (GE: AVC Area E)

Gentle Chair Yoga

KINF145:

1.0 Units

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) (GE: AVC Area E)

Beginning Soccer

KINF150:

1.0 Units

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) (GE: AVC Area E)

Intermediate Soccer

KINF151:

1.0 Units

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) (GE: AVC Area E)

Beginning Tennis

KINF160:

1.0 Units

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) (GE: AVC Area E)

Intermediate Tennis

KINF161:

1.0 Units

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) (GE: AVC Area E)

Beginning Walking for Fitness

KINF170:

1.0 Units

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)

Intermediate Walking for Fitness

KINF171:

1.0 Units

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) (GE: AVC Area E)

Beginning Jogging for Fitness

KINF172:

1.0 Units

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) (GE: AVC Area E)

Intermediate Jogging for Fitness

KINF173:

1.0 Units

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)

Beginning Volleyball

KINF180:

1.0 Units

A beginning course that introduces the student to the basic vocabulary, performance fundamental skills and playing techniques of power volleyball. (UC, CSU, AVC) (GE: AVC Area E)

Intermediate Volleyball

KINF181:

1.0 Units

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) (GE: AVC Area E)

Beginning Swimming for Non-swimmers

KINF190:

1.0 Units

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) (GE: AVC Area E)

Beginning Swimming

KINF191:

1.0 Units

An 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) (GE: AVC Area E)

Intermediate Swimming

KINF192:

1.0 Units

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. (CSU, UC, AVC)

Beginning Water Aerobics

KINF193:

0.5 - 1.0 Units

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) (GE: AVC Area E)

Intermediate Water Aerobics

KINF194:

1.0 Units

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) (GE: AVC Area E)

Beginning Fitness Swimming

KINF195:

1.0 Units

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) (GE: AVC Area E)

Intermediate Fitness Swimming

KINF196:

1.0 Units

Students will learning 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) (GE: AVC Area E)

Advanced Fast-Pitch Softball

KINF215:

1.0 Units

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) (GE: AVC Area E)

Advanced Basketball

KINF220:

1.0 Units

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) (GE: AVC Area E)

Advanced Golf

KINF240:

1.0 Units

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) (GE: AVC Area E)

Intermediate/Advanced Hatha Yoga

KINF244:

1.0 Units

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) (GE: AVC Area E)

Advanced Tennis

KINF260:

1.0 Units

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) (GE: AVC Area E)

Advanced Walking for Fitness

KINF270:

1.0 Units

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) (GE: AVC Area E)

Advanced Jogging for Fitness

KINF272:

1.0 Units

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) (GE: AVC Area E)

Advanced Volleyball

KINF280:

1.0 Units

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) (GE: AVC Area E)

Advanced Water Aerobics

KINF293:

1.0 Units

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) (GE: AVC Area E)

Advanced Fitness Swimming

KINF295:

1.0 Units

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) (GE: AVC Area E)

KINT Courses

Introduction to Kinesiology

KINT100:

3.0 Units

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) (GE: AVC Area E)

Officiating - Basketball and Volleyball

KINT102:

3.0 Units

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. (CSU, UC, AVC)

Officiating - Baseball, Softball, Track and Field

KINT103:

3.0 Units

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)

Sports Appreciation

KINT104:

3.0 Units

Selected learning experiences leading to an understanding and appreciation of athletics and recreational sports and how they relate to our society. (CSU, UC, AVC)

Officiating - Football

KINT112:

3.0 Units

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. (CSU, UC, AVC)

Yoga Teacher Training 1—Yogic Lifestyle and Yoga as a Healing Practice

KINT240:

3.0 Units

Advisory: Students are advised to have at least 2 years of regular yoga practice as well as to have successful completion or concurrent enrollment of 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 and seated extended and forward bending poses. Philosophical study will include the 8 limbs of yoga from Patanjalis Yoga Sutras. (CSU, AVC)

Yoga Teacher Training 2—Gross and Subtle Anatomy

KINT241:

3.0 Units

Advisory: Students are advised to have at least 2 years of regular yoga practice as well as to have successful completion or concurrent enrollment of KINF244. 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 anatomy. Basic understanding of the musculoskeletal system, fluid body, and organ system will be highlighted, together with yogic philosophy of the subtle anatomy or energy body. The anatomy of the breath will be studied. Practice, analysis and general alignment principles for all levels of twisting and back bending poses will be emphasized. (CSU, AVC)

Yoga Teacher Training 3— Pedagogy: The Art and Science of Teaching

KINT242:

3.0 Units

Advisory: Students are advised to have at least 2 years of regular yoga practice as well as to have successful completion or concurrent enrollment of KINF244. 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. (CSU, AVC)

Yoga Teacher Training 4—Social Applications of Yoga

KINT243:

3.0 Units

Advisory: Students are advised to have at least 2 years of regular yoga practice as well as to have successful completion or concurrent enrollment of KINF244. 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. (CSU, AVC)

IATH Courses

Weight Training for Athletes

IATH101:

0.5 - 2.0 Units

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) (GE: AVC Area E)

Pre-Season Sport Conditioning

IATH102:

0.5 - 2.0 Units

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) (GE: AVC Area E)

Intercollegiate Football

IATH205:

1.0 - 3.0 Units

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) (R2) (GE: AVC Area E)

Intercollegiate Baseball

IATH210:

1.0 - 3.0 Units

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) (R2) (GE: AVC Area E)

Intercollegiate Women's Softball

IATH215:

1.0 - 3.0 Units

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) (R2) (GE: AVC Area E)

Intercollegiate Men's Basketball

IATH220:

1.0 - 3.0 Units

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) (GE: AVC Area E)

Intercollegiate Women's Basketball

IATH225:

1.0 - 3.0 Units

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) (GE: AVC Area E)

Intercollegiate Cross Country

IATH230:

1.0 - 3.0 Units

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) (R2) (GE: AVC Area E)

Intercollegiate Men's Golf

IATH240:

1.0 - 3.0 Units

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 advanced 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) (GE: AVC Area E) (R2)

Intercollegiate Women's Golf

IATH245:

1.0 - 3.0 Units

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) (GE: AVC Area E) (R2)

Intercollegiate Men's Soccer

IATH250:

1.0 - 3.0 Units

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) (R2) (GE: AVC Area E)

Intercollegiate Women's Soccer

IATH255:

1.0 - 3.0 Units

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) (R2) (GE: AVC Area E)

Intercollegiate Women's Tennis

IATH265:

1.0 - 3.0 Units

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) (R2) (GE: AVC Area E)

Intercollegiate Men's Track and Field

IATH270:

1.0 - 3.0 Units

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) (R2) (GE: AVC Area E)

Intercollegiate Women's Track and Field

IATH275:

1.0 - 3.0 Units

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. (CSU, AVC) (R2) (GE: AVC Area E)

Intercollegiate Men's Volleyball

IATH280:

1.0 - 3.0 Units

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) (R2) (GE: AVC Area E)

Intercollegiate Women's Volleyball

IATH285:

1.0 - 3.0 Units

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) (R2) (GE: AVC Area E)

Latin

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.

Elementary Latin 1

LATN101:

5.0 Units

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) (GE: CSU Area C2, AVC Area C)

Elementary Latin 2

LATN102:

5.0 Units

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) (GE: IGETC Area 3B, 6A, CSU Area C2, AVC Area C)

Intermediate Latin

LATN201:

5.0 Units

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) (GE: IGETC Area 3B, 6A, CSU Area C2, AVC Area C)

Learning Assistance

Learning Assistance can benefit everyone. Students who feel anxious about writing or math are encouraged to enroll in LAC 020 Managing Writing Anxiety, LAC 022 Managing Math Anxiety, and LAC 023 Math Study Strategy. 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 100, 200, and 299 to deepen their knowledge of tutorial theory and practice. These courses include the opportunity to earn internationally recognized tutoring certificates.

College Readiness - Reading and Writing (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 three non credit courses: LAC 020 Managing Writing Anxiety, READ 099 Critical Reading, and ENGL 090 Writing Support. It is highly recommended that students complete the certificate within one term to increase their college success and completion rates. LAC 020 Managing Writing Anxiety provides students with coping skills to reduce writing frustrations in college and beyond. READ 099 Critical Reading helps students improve their reading comprehension, analysis, and vocabulary skills. ENGL 090 Writing Support focuses on the writing process, essay organization, and grammar skills.

Program Requirements

College Readiness - Reading and Writing Certificate of Completion (Total 36 - 72)

Complete the following number of hours: 36-72

Must take at least 2 of the 3 courses listed (Total 72)

Complete all of the following

ENGL090 - Writing Support 18

LAC020 - Managing Writing Anxiety 18

READ099 - Critical Reading 36

Recommended Pathway

Term 1	Hours
College Readiness - Reading and Writing Certificate of Completion ENGL090 - Writing Support	18.0
College Readiness - Reading and Writing Certificate of Completion LAC020 - Managing Writing Anxiety	18.0
Total Hours	36.0

Recommended Sequence #2

Term 1	Hours
College Readiness - Reading and Writing Certificate of Completion ENGL090 - Writing Support	18.0
College Readiness - Reading and Writing Certificate of Completion LAC020 - Managing Writing Anxiety	18.0
College Readiness - Reading and Writing Certificate of Completion READ099 - Critical Reading	36.0
Total Hours	72.0

Recommended Sequence #3

Term 1	Hours
College Readiness - Reading and Writing Certificate of Completion ENGL090 - Writing Support	18.0
College Readiness - Reading and Writing Certificate of Completion READ099 - Critical Reading	36.0
Total Hours	54.0

Recommended Sequence #4

Term 1	Hours
College Readiness - Reading and Writing Certificate of Completion LAC020 - Managing Writing Anxiety	18.0
College Readiness - Reading and Writing Certificate of Completion READ099 - Critical Reading	36.0
Total Hours	54.0

Program Outcomes

ENGL 090

Students will compose paragraphs that demonstrate direction, relevant detail, and clarity on both a paragraph and a sentence level.

LAC 020

Students will demonstrate the ability to use proactive strategies, learning resources, and the composition process to reduce writing frustrations.

READ 099

Students will demonstrate the ability to comprehend and analyze written passages at a college reading level.

Managing Writing Anxiety

LAC020:

0.0 Units

This non-credit 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. NOTE: As a non-credit course, no grade will be given for this class; students will receive "pass" or "no pass" only. (AVC)

Managing Math Anxiety

LAC022:

0.0 Units

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 non-credit course, no grade will be given for this class; students will receive "pass" or "no pass" only. (AVC)

Math Study Strategies

LAC023:

0.0 Units

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 non-credit course, no grade will be given for this class; students will receive "pass" or "no pass" only. (R unlimited)

Supervised Tutoring

LAC900:

0.0 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)

Supervised Learning Assistance

LAC901:

0.0 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)

Liberal Arts and Sciences

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.

Courses that were approved for IGETC 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.

Arts and Humanities Option III

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)

Complete the following number of credits: 6

- ART100 - Art Appreciation 3
- ART101 - History of Art, Prehistoric to Gothic 3
- ART102 - History of Art, Renaissance to Modern 3

ART103 - History of Art: Africa, Oceania and Indigenous North America 3

ART104 - History of Modern and Contemporary Art in the 20th Century 3

DA101 - Dance Appreciation 3

MUS101 - Music Appreciation 3

MUS105 - World Music 3

MUSC102 - History of Jazz 3

MUSC103 - History of Rock 'n Roll 3

MUSC107 - History of Women in Rock Music 3

PHOT107 - History of Photography 3

THA101 - Introduction to Theatre 3

DFST110 - Power, Privilege, and Oppression 3

THA110 - Fundamentals of Acting 3

FTV101 - Introduction to Film 3

FTV107 - History of Film, Pre 1950 3

FTV108 - History of Film, 1950-Present 3

FTV203 - African-American Cinema 3

Humanities - Required Courses (Total 6)

Complete the following number of credits: 6

CHIN101 - Elementary Chinese I 5

CHIN102 - Elementary Chinese 2 5

CHIN201 - Intermediate Chinese 5

CHIN202 - Intermediate Chinese 5

DFST101 - American Sign Language I 4

DFST102 - American Sign Language II 4

DFST105 - Introduction to American Deaf Culture 3

DFST201 - American Sign Language III 4

DFST202 - American Sign Language IV 4

ENGL221 - American Literature 1400-1865 3

ENGL222 - American Literature 1865-Present 3

ENGL225 - English Literature, 800-1750 3

ENGL227 - English Literature, 1750-Present 3

ENGL230 - World Literature 1 3

ENGL231 - World Literature 2 3

ENGL235 - Shakespeare and Culture 3

ENGL242 - Narrative and Culture 3

ENGL253 - African American Literature 3

ENGL256 - Latinx Literature 3

ENGL257 - Ethnic Studies: Native American Studies in Literature 3

ENGL259 - Gender, Image, and Rhetoric 3

ENGL265 - Film: Text and Context 3

ENGL279 - Science Fiction and Dystopian Literature 3

FREN101 - Elementary French 1 5

FREN102 - Elementary French 2 5

FREN201 - Intermediate French 1 5

FREN202 - Intermediate French 2 5

FREN203 - Advanced French 3

FTV201 - Intercultural & Women's Film 3

FTV203 - African-American Cinema 3

GER101 - Elementary German 1 5

GER102 - Elementary German 2 5

GER201 - Intermediate German 1 4

GER202 - Intermediate German 2 4

HIST115 - Cultural History of Mexico	3
LATN101 - Elementary Latin	1 5
LATN102 - Elementary Latin	2 5
LATN201 - Intermediate Latin	5
PHIL105 - Ethics: Moral Issues in Contemporary Society	3
PHIL106 - Introduction to Philosophy	3
PHIL108 - Philosophy of Religion	3
PHOT107 - History of Photography	3
SPAN101 - Elementary Spanish	1 5
SPAN102 - Elementary Spanish	2 5
SPAN110SS - Spanish for Heritage Speakers I	5
SPAN201 - Intermediate Spanish	1 5
SPAN202 - Intermediate Spanish	2 5
SPAN203 - Introduction to Hispanic Literature	3
SPAN210SS - Spanish for Heritage Speakers II	5
SPAN220SS - Composition and Conversation	5
THA239 - Intercultural and Women's Theatre	3
Arts OR Humanities - Required Courses (Total 6)	
Complete the following number of credits: 6	
Complete 6 additional units from either Arts or Humanities List 6	

Recommended Pathway

Arts & Humanities Option III

Term 1	Credits
Arts - Required Courses ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
Humanities - Required Courses DFST101 - American Sign Language I	4.0
Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition	3.0
Area D2 - Language & Rationality - Academic Composition MATH110 - Mathematics for Liberal Arts Students	3.0
Elective General Elective	2.0
Total Credits	15.0
Term 2	Credits
Arts - Required Courses DFST110 - Power, Privilege, and Oppression	3.0
Area A - Natural Sciences ANTH101 - Introduction to Biological Anthropology	3.0
Area C - Humanities MUSC103 - History of Rock 'n Roll	3.0
Humanities - Required Courses ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
Elective General Elective	3.0
Total Credits	15.0

Term 3	Credits
Arts - Required Courses THA110 - Fundamentals of Acting	3.0
Humanities - Required Courses HIST115 - Cultural History of Mexico	3.0
Elective General Elective	3.0
Area B - Social & Behavioral Sciences HIST110 - African-American History, 1450-1877	3.0
Elective General Elective	3.0
Total Credits	15.0
Term 4	Credits
Area E -Additional Breadth SOC116 - Sociology of Gender and Sexuality	3.0
Area F - Diversity Studies HIST113 - Women in American History	3.0
Elective General Elective	3.0
Elective General Elective	3.0
Elective General Elective	3.0
Total Credits	15.0

Program Outcomes

Arts and Humanities Option III

Students will be able to critically analyze /discuss the behaviors, attitudes, and beliefs of peoples from diverse cultures/ backgrounds.

Students will demonstrate an ability to communicate ideas and concepts which come from diverse areas of human knowledge.

AA Deaf Studies: ASL

Demonstrate good citizenship and teamwork through respect, tolerance, cultural awareness and the role of diversity in the modern Deaf community.

Identify career opportunities available to persons that sign.

Qualify to enter into AVC's DFST -Interpreter Training Program.

AA-T Art History

Student will recognize major movements and understand characteristics of art from various time periods and cultures throughout the world.

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.

Student will develop understanding and appreciation of the creative processes in art making.

AA-T Music

Students will perform a soloist and in ensemble with the technical skills that produce artistic expression.

Students will demonstrate command of the organizing principles of music through written analysis and composition.

Students will demonstrate advanced skills and aural analysis and dictation, and music reading.

Students will demonstrate advanced skills and keyboard musicianship.

Students will be prepared for the required placement exams associated with transferring to a four-year music program.

AA-T Theatre Arts

Students will develop an understanding of theatre concepts, elements, and terminology.

Students will collaborate with others in the production of theatrical works.

Students will apply critical thinking skills by researching, analyzing, and interpreting dramatic literature and the theatre arts.

Math and Science - Option I

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 credits: 18

Required Courses (Total 6 - 12)

Complete the following number of credits: 6-12

- MATH110 - Mathematics for Liberal Arts Students 3
- MATH115 - Statistics 4
- MATH116 - Introduction to Statistics Using R 4
- MATH124 - Finite Math 4
- MATH128 - College Algebra for Liberal Arts 3
- MATH131 - College Algebra for STEM 4
- MATH140 - Precalculus 4
- MATH148 - Calculus for Business and Economics 4
- MATH150 - Calculus and Analytic Geometry 5
- MATH160 - Calculus and Analytic Geometry 4
- MATH220 - Linear Algebra 4

MATH230 - Introduction to Ordinary Differential Equations 4

MATH250 - Calculus and Analytic Geometry 4

Required Courses (Total 6 - 12)

Complete the following number of credits: 6-12

- ANTH101 - Introduction to Biological Anthropology 3
- ANTH101L - Biological Anthropology Lab 1
- ASTR101 - Astronomy 3
- ASTR101L - Astronomy Laboratory 1
- BIOL101 - General Biology 3
- BIOL101L - General Biology Lab 1
- BIOL103 - Introduction to Botany 4
- BIOL110 - General Molecular Cell Biology 5
- BIOL120 - General Organismal, Ecological and Evolutionary Biology 5
- BIOL201 - General Human Anatomy 4
- BIOL202 - General Human Physiology 4
- BIOL204 - General Microbiology 5
- CHEM101 - Introductory Chemistry 5
- CHEM102 - Introductory Chemistry (Organic & Biochemistry) 4
- CHEM110 - General Chemistry 5
- CHEM120 - General Chemistry 5
- ERSC101 - Introduction to Earth Science 4
- GEOG101 - Physical Geography: Earth's Surface Landscapes 3
- GEOG101L - Physical Geography Lab: Earth's Surface Landscapes 1
- GEOG102 - Physical Geography: Earth's Weather & Climate 3
- GEOL101 - Physical Geology 3
- GEOL101L - Physical Geology Lab 1
- GEOL102 - Historical Geology 3
- GEOL102L - Historical Geology Laboratory 1
- GEOG102L - Physical Geography Lab: Earth's Weather & Climate 1
- PHYS101 - Introductory Physics 4
- PHYS102 - Introductory Physics 4
- PHYS110 - General Physics 4
- PHYS120 - General Physics 4
- PHYS211 - General Physics 5
- PSCI101 - Physical Science 4

Recommended Pathway

Term 1

Credits

Required Courses Take one of the following:

MATH110 - Mathematics for Liberal Arts Students	3.0
MATH115 - Statistics	4.0
MATH116 - Introduction to Statistics Using R	4.0
MATH124 - Finite Math	4.0
MATH128 - College Algebra for Liberal Arts	3.0
MATH131 - College Algebra for STEM	4.0

MATH140 - Precalculus	4.0	IATH101 - Weight Training for Athletes	0.5 - 2.0
MATH148 - Calculus for Business and Economics	4.0	IATH102 - Pre-Season Sport Conditioning	0.5 - 2.0
MATH150 - Calculus and Analytic Geometry	5.0	IATH205 - Intercollegiate Football	1.0 - 3.0
MATH160 - Calculus and Analytic Geometry	4.0	IATH215 - Intercollegiate Women's Softball	1.0 - 3.0
MATH220 - Linear Algebra	4.0	IATH220 - Intercollegiate Men's Basketball	1.0 - 3.0
MATH230 - Introduction to Ordinary Differential Equations	4.0	IATH225 - Intercollegiate Women's Basketball	1.0 - 3.0
MATH250 - Calculus and Analytic Geometry	4.0	IATH265 - Intercollegiate Women's Tennis	1.0 - 3.0
Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition	3.0	IATH270 - Intercollegiate Men's Track and Field	1.0 - 3.0
Area E -Additional Breadth Take one of the following:		IATH280 - Intercollegiate Men's Volleyball	1.0 - 3.0
Course utilized from AREA A, B, C, or D2	3.0	IATH285 - Intercollegiate Women's Volleyball	1.0 - 3.0
CFE102 - The Developing Child-Child Growth and Development	3.0	KINF115 - Beginning Fast-Pitch Softball	1.0
COMM107 - Introduction to Interpersonal Communication	3.0	KINF150 - Beginning Soccer	1.0
COMM219 - Introduction to Intercultural Communication	3.0	KINF151 - Intermediate Soccer	1.0
DA102 - Beg Ballet	1.0	KINF160 - Beginning Tennis	1.0
DA103 - Beginning Modern Dance	1.0	KINF161 - Intermediate Tennis	1.0
DA104 - Beg Jazz Dance	1.0	KINT100 - Introduction to Kinesiology	3.0
DA105 - Beg Tap Dance	1.0	KINF107 - Beginning Weight Lifting	1.0
DA106 - Ballroom Dance	1.0	LIB107 - Information Literacy	3.0
DA113 - World Dance-Ethnic Forms	1.0	LIB110 - Introduction to Internet Research	1.0
DA115 - Dance Repertory	1.0	MUSC108 - History of Hip Hop	3.0
DA116 - Dance Improvisation	1.0	NF100 - Nutrition	3.0
DA122 - Int Ballet	1.0	NF102 - Nutrition and Food for Children	3.0
DA123 - Int Modern Dance	1.0	NF103 - Principles of Food Preparation	3.0
DA124 - Int Jazz Dance	1.0	NF110 - Sports Nutrition	3.0
DA125 - Int Tap Dance	1.0	NF150 - Food and Culture	3.0
DA202 - Advanced Ballet	1.0	PSY212 - Human Sexuality	3.0
DA203 - Adv Modern Dance	1.0	SOC111 - Issues and Concepts in Aging	3.0
DA204 - Adv Jazz Dance	1.0	SOC116 - Sociology of Gender and Sexuality	3.0
DA205 - Advanced Tap Dance	1.0	Elective General Elective	3.0
DFST105 - Introduction to American Deaf Culture	3.0	Elective General Elective	3.0
HD100 - Basic Strategies For College Success	1.5	Total Credits	12.5 - 17.0
HD101 - College and Life Management	3.0	Term 2	Credits
HD102 - Soldiers to Scholars	3.0	Required Courses Take one of the following:	
HD103 - Career Planning	1.5	MATH110 - Mathematics for Liberal Arts Students	3.0
HD105 - Personal Development	3.0	MATH115 - Statistics	4.0
HE101 - Health Education	3.0	MATH116 - Introduction to Statistics Using R	4.0
HE120 - Stress Management	3.0	MATH124 - Finite Math	4.0
HE201 - Women's Health Issues	3.0	MATH128 - College Algebra for Liberal Arts	3.0
		MATH131 - College Algebra for STEM	4.0
		MATH140 - Precalculus	4.0
		MATH148 - Calculus for Business and Economics	4.0

MATH150 - Calculus and Analytic Geometry	5.0
MATH160 - Calculus and Analytic Geometry	4.0
MATH220 - Linear Algebra	4.0
MATH230 - Introduction to Ordinary Differential Equations	4.0
MATH250 - Calculus and Analytic Geometry	4.0
Required Courses Take one of the following:	
ANTH101 - Introduction to Biological Anthropology	3.0
ANTH101L - Biological Anthropology Lab	1.0
ASTR101 - Astronomy	3.0
ASTR101L - Astronomy Laboratory	1.0
BIOL101 - General Biology	3.0
BIOL101L - General Biology Lab	1.0
BIOL103 - Introduction to Botany	4.0
BIOL110 - General Molecular Cell Biology	5.0
BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
BIOL201 - General Human Anatomy	4.0
BIOL202 - General Human Physiology	4.0
BIOL204 - General Microbiology	5.0
CHEM101 - Introductory Chemistry	5.0
CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0
CHEM110 - General Chemistry	5.0
CHEM120 - General Chemistry	5.0
ERSC101 - Introduction to Earth Science	4.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
GEOL101 - Physical Geology	3.0
GEOL101L - Physical Geology Lab	1.0
GEOL102 - Historical Geology	3.0
GEOL102L - Historical Geology Laboratory	1.0
GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0
PHYS101 - Introductory Physics	4.0
PHYS102 - Introductory Physics	4.0
PHYS110 - General Physics	4.0
PHYS120 - General Physics	4.0
PHYS211 - General Physics	5.0
PSCI101 - Physical Science	4.0

**Area D2 - Language & Rationality -
Academic Composition
Take one of the following:**

BUS113 - Business Communications	3.0
CA103 - Introduction to Computer and Digital Technology	3.0
CIS101 - Introduction to Computer Information Science	3.0
CIS111 - Introduction to Programming & Algorithms	3.0
CIS161 - Introduction to C Programming	3.0
COMM101 - Introduction to Public Speaking	3.0
COMM107 - Introduction to Interpersonal Communication	3.0
COMM109 - Small Group Communication	3.0
COMM112 - Oral Interpretation	3.0
COMM114 - Art of Storytelling	3.0
COMM115 - Introduction to Argumentation and Debate	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
ENGL102 - Critical Thinking and Literature	3.0
ENGL103 - Critical Thinking and Research	3.0
GEOG201 - Map Interpretation and GPS	4.0
GEOG205 - Introduction to Geographic Information Systems	3.0
MATH110 - Mathematics for Liberal Arts Students	3.0
MATH115 - Statistics	4.0
MATH116 - Introduction to Statistics Using R	4.0
MATH120 - Math for Teachers	3.0
MATH124 - Finite Math	4.0
MATH128 - College Algebra for Liberal Arts	3.0
MATH135 - Plane Trigonometry	3.0
MATH140 - Precalculus	4.0
MATH148 - Calculus for Business and Economics	4.0
MATH150 - Calculus and Analytic Geometry	5.0
MATH160 - Calculus and Analytic Geometry	4.0
MATH220 - Linear Algebra	4.0
MATH230 - Introduction to Ordinary Differential Equations	4.0
MATH250 - Calculus and Analytic Geometry	4.0
PHIL101 - Fundamental Reasoning Skills	3.0

PHIL106 - Intro to Philosophy	3.0	HIST118 - American West History, 1806-Present	3.0
PHIL110 - Introduction to Logic	3.0	HIST119 - History of Latin America and the Caribbean	3.0
PHIL201 - Critical Thinking	3.0	POLS101 - American Political Institutions	3.0
Area B - Social & Behavioral Sciences		POLS103 - Comparative Government	3.0
Take one of the following:		POLS200 - Introduction to Political Theory	3.0
AJ201 - Police in Society	3.0	POLS201 - Contemporary International Relations	3.0
AJ204 - Juvenile Procedures	3.0	POLS202 - Ethnic Politics in America	3.0
AJ206 - Criminology	3.0	POLS203 - The Judicial Process	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	PSY101 - General Psychology	3.0
ANTH103 - Archaeology and World Prehistory	3.0	PSY201 - Introduction to Physiological Psychology	3.0
ANTH112 - Native North Americans	3.0	PSY212 - Human Sexuality	3.0
ANTH140 - Intro to Archaeology	4.0	PSY230 - Social Psychology	3.0
BUS101 - Introduction to Business	3.0	PSY232 - Theories of Personality	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0	PSY233 - Personal and Social Adjustment	3.0
COMM217 - Gender and Communication	3.0	PSY234 - Abnormal Psychology	3.0
DFST105 - Introduction to American Deaf Culture	3.0	PSY235 - Child Psychology	3.0
ECON100 - Survey of Economics	3.0	PSY236 - Developmental Psychology	3.0
ECON101 - Principles of Macroeconomics	3.0	SOC101 - Introduction to Sociology	3.0
ECON102 - Principles of Microeconomics	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
ECON110 - Economics of the Underclass	3.0	SOC110 - Ethnic Relations	3.0
GEOG105 - Cultural Geography	3.0	SOC111 - Issues and Concepts in Aging	3.0
GEOG106 - California Geography	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
GEOG110 - World Regional Geography	3.0	SOC115 - Marriage and Family Life	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	Elective General Elective	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	Total Credits	13.0 - 22.0
HIST107 - U.S. History, 1607-1877	3.0	Term 3	Credits
HIST108 - U.S. History from 1865	3.0	Required Courses Take one of the following:	
HIST110 - African-American History, 1450-1877	3.0	MATH110 - Mathematics for Liberal Arts Students	3.0
HIST111 - African-American History, 1877-Present	3.0	MATH115 - Statistics	4.0
HIST113 - Women in American History	3.0	MATH116 - Introduction to Statistics Using R	4.0
HIST114 - History of California	3.0	MATH124 - Finite Math	4.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0	MATH128 - College Algebra for Liberal Arts	3.0
		MATH131 - College Algebra for STEM	4.0
		MATH140 - Precalculus	4.0

MATH148 - Calculus for Business and Economics	4.0	PHYS110 - General Physics	4.0
MATH150 - Calculus and Analytic Geometry	5.0	PHYS120 - General Physics	4.0
MATH160 - Calculus and Analytic Geometry	4.0	PHYS211 - General Physics	5.0
MATH220 - Linear Algebra	4.0	PSCI101 - Physical Science	4.0
MATH230 - Introduction to Ordinary Differential Equations	4.0	Area C - Humanities Take one of the following:	
MATH250 - Calculus and Analytic Geometry	4.0	ART100 - Art Appreciation	3.0
Required Courses Take one of the following:		ART101 - History of Art, Prehistoric to Gothic	3.0
ANTH101 - Introduction to Biological Anthropology	3.0	ART102 - History of Art, Renaissance to Modern	3.0
ANTH101L - Biological Anthropology Lab	1.0	ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
ASTR101 - Astronomy	3.0	ART104 - History of Modern and Contemporary Art in the 20th Century	3.0
ASTR101L - Astronomy Laboratory	1.0	ART106 - History of Art: Asia	3.0
BIOL101 - General Biology	3.0	ART110 - Drawing	3.0
BIOL101L - General Biology Lab	1.0	ART113 - Painting I	3.0
BIOL103 - Introduction to Botany	4.0	ART120 - Introduction to Printmaking	3.0
BIOL110 - General Molecular Cell Biology	5.0	ART132 - Introduction to Ceramics: Hand-Building	3.0
BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0	ART135 - Beginning Wheel-Thrown Ceramics	3.0
BIOL201 - General Human Anatomy	4.0	ART136 - Intermediate Wheel-Thrown Ceramics	3.0
BIOL202 - General Human Physiology	4.0	ART137 - Advanced Wheel-Thrown Ceramics	3.0
BIOL204 - General Microbiology	5.0	ART140 - Watercolor	3.0
CHEM101 - Introductory Chemistry	5.0	ART145 - 2-D Design Basics	3.0
CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0	ART150 - 3-D Design Basics	3.0
CHEM110 - General Chemistry	5.0	ART163 - Painting II	3.0
CHEM120 - General Chemistry	5.0	ART170 - Drawing II	3.0
ERSC101 - Introduction to Earth Science	4.0	ART210 - Drawing III	3.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0	ART213 - Painting III	3.0
GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0	CHIN101 - Elementary Chinese I	5.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0	CHIN102 - Elementary Chinese 2	5.0
GEOL101 - Physical Geology	3.0	CHIN201 - Intermediate Chinese	5.0
GEOL101L - Physical Geology Lab	1.0	CHIN202 - Intermediate Chinese	5.0
GEOL102 - Historical Geology	3.0	COMM112 - Oral Interpretation	3.0
GEOL102L - Historical Geology Laboratory	1.0	COMM114 - Art of Storytelling	3.0
GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0	DA101 - Dance Appreciation	3.0
PHYS101 - Introductory Physics	4.0	DFST101 - American Sign Language I	4.0
PHYS102 - Introductory Physics	4.0	DFST102 - American Sign Language II	4.0
		DFST105 - Introduction to American Deaf Culture	3.0
		DFST106 - Introduction to Deaf Education	3.0

DFST201 - American Sign Language III	4.0	LATN101 - Elementary Latin 1	5.0
DFST202 - American Sign Language IV	4.0	LATN201 - Intermediate Latin	5.0
ENGL102 - Critical Thinking and Literature	3.0	LATN102 - Elementary Latin 2	5.0
ENGL111 - Creative Writing: Fiction	3.0	MUS101 - Music Appreciation	3.0
ENGL112 - Creative Writing: Poetry	3.0	MUS105 - World Music	3.0
ENGL221 - American Literature 1400-1865	3.0	MUS111 - Fundamentals of Music (Music Theory I)	3.0
ENGL222 - American Literature 1865-Present	3.0	MUS131 - Piano I	2.0
ENGL225 - English Literature, 800-1750	3.0	MUS132 - Piano II	2.0
ENGL227 - English Literature, 1750-Present	3.0	MUS151 - Music Theory II	3.0
ENGL230 - World Literature 1	3.0	MUS153B - Musicianship II	2.0
ENGL231 - World Literature 2	3.0	MUS185 - Concert Choir	1.0
ENGL235 - Shakespeare and Culture	3.0	MUS231 - Piano III	2.0
ENGL242 - Narrative and Culture	3.0	MUS251A - Music Theory III	3.0
ENGL253 - African American Literature	3.0	MUS251B - Music Theory IV	3.0
ENGL256 - Latinx Literature	3.0	MUS253A - Musicianship III	2.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	MUS253B - Musicianship IV	2.0
ENGL259 - Gender, Image, and Rhetoric	3.0	MUSC102 - History of Jazz	3.0
ENGL265 - Film: Text and Context	3.0	MUSC103 - History of Rock 'n Roll	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0	MUSC107 - History of Women in Rock Music	3.0
FREN101 - Elementary French 1	5.0	MUSC108 - History of Hip Hop	3.0
FREN102 - Elementary French 2	5.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
FREN201 - Intermediate French 1	5.0	PHIL106 - Intro to Philosophy	3.0
FREN202 - Intermediate French 2	5.0	PHIL108 - Philosophy of Religion	3.0
FREN203 - Advanced French	3.0	PHIL109 - World Religions	3.0
FTV101 - Introduction to Film	3.0	PHOT107 - History of Photography	3.0
FTV103 - Introduction to Television	3.0	PHTC101 - Beginning Black and White Photography	3.0
FTV107 - History of Film, Pre 1950	3.0	PHTC150 - Beginning Color Photography	3.0
FTV108 - History of Film, 1950-Present	3.0	PHTC201 - Advanced Black and White Photography	3.0
FTV201 - Intercultural & Women's Film	3.0	SPAN101 - Elementary Spanish 1	5.0
FTV203 - African-American Cinema	3.0	SPAN102 - Elementary Spanish 2	5.0
FTV241 - Beginning Audio Production	3.0	SPAN110SS - Spanish for Heritage Speakers I	5.0
FTV251 - Contemporary American Independent Film	4.0	SPAN201 - Intermediate Spanish 1	5.0
FTV261 - Religion and Cinema	4.0	SPAN202 - Intermediate Spanish 2	5.0
GER101 - Elementary German 1	5.0	SPAN210SS - Spanish for Heritage Speakers II	5.0
GER102 - Elementary German 2	5.0	SPAN220SS - Composition and Conversation	5.0
GER201 - Intermediate German 1	4.0	THA101 - Introduction to Theatre	3.0
GER202 - Intermediate German 2	4.0	THA102 - Introduction to Stagecraft	3.0
HIST115 - Cultural History of Mexico	3.0		

THA103 - Introduction to Stage Lighting	3.0	CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0
THA110 - Fundamentals of Acting	3.0	CHEM110 - General Chemistry	5.0
THA115A - Rehearsal and Performance: Drama	1.0	ELTE101 - Survey of Electronics	4.0
THA116A - Rehearsal and Performance: Comedy	1.0	ERSC101 - Introduction to Earth Science	4.0
THA116B - Rehearsal and Performance: Comedy	2.0	GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
THA117A - Rehearsal and Performance: Musical Theatre	1.0	GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
THA117B - Rehearsal and Performance: Musical Theatre	2.0	GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
THA118A - Rehearsal and Performance: Children's Theatre	1.0	GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0
THA118B - Rehearsal and Performance: Children's Theatre	2.0	GEOL101 - Physical Geology	3.0
THA121A - Theatre Production	1.0	GEOL101L - Physical Geology Lab	1.0
THA121B - Theatre Production	4.0	GEOL102 - Historical Geology	3.0
THA130 - Improvisation	3.0	GEOL102L - Historical Geology Laboratory	1.0
THA133 - Makeup for the Stage	3.0	PHYS101 - Introductory Physics	4.0
THA225 - Script Analysis	3.0	PHYS102 - Introductory Physics	4.0
THA239 - Intercultural and Women's Theatre	3.0	PHYS110 - General Physics	4.0
		PHYS120 - General Physics	4.0
Area A - Natural Sciences Take one of the following:		PHYS211 - General Physics	5.0
ANTH101 - Introduction to Biological Anthropology	3.0	PSCI101 - Physical Science	4.0
ANTH101L - Biological Anthropology Lab	1.0	Elective General Elective	3.0
ASTR101 - Astronomy	3.0	Total Credits	9.0 - 23.0
ASTR101L - Astronomy Laboratory	1.0	Term 4	Credits
BIOL100 - Elementary Human Anatomy and Physiology	3.0	Required Courses Take one of the following:	
BIOL101 - General Biology	3.0	ANTH101 - Introduction to Biological Anthropology	3.0
BIOL101L - General Biology Lab	1.0	ANTH101L - Biological Anthropology Lab	1.0
BIOL102 - Human Biology	4.0	ASTR101 - Astronomy	3.0
BIOL103 - Introduction to Botany	4.0	ASTR101L - Astronomy Laboratory	1.0
BIOL104 - Environmental Biology	3.0	BIOL101 - General Biology	3.0
BIOL110 - General Molecular Cell Biology	5.0	BIOL101L - General Biology Lab	1.0
BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0	BIOL103 - Introduction to Botany	4.0
BIOL201 - General Human Anatomy	4.0	BIOL110 - General Molecular Cell Biology	5.0
BIOL202 - General Human Physiology	4.0	BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
BIOL204 - General Microbiology	5.0	BIOL201 - General Human Anatomy	4.0
BIOL205 - Introduction to Biotechnology	3.0	BIOL202 - General Human Physiology	4.0
CHEM101 - Introductory Chemistry	5.0	BIOL204 - General Microbiology	5.0
		CHEM101 - Introductory Chemistry	5.0

CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0	HIST111 - African-American History, 1877-Present	3.0
CHEM110 - General Chemistry	5.0	HIST113 - Women in American History	3.0
CHEM120 - General Chemistry	5.0	MUSC107 - History of Women in Rock Music	3.0
ERSC101 - Introduction to Earth Science	4.0	MUSC108 - History of Hip Hop	3.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0	POLS202 - Ethnic Politics in America	3.0
GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0	SOC105 - The Mexican American in Contemporary Society	3.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0	SOC110 - Ethnic Relations	3.0
GEOL101 - Physical Geology	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
GEOL101L - Physical Geology Lab	1.0	THA239 - Intercultural and Women's Theatre	3.0
GEOL102 - Historical Geology	3.0	Elective General Elective	3.0
GEOL102L - Historical Geology Laboratory	1.0	Elective General Elective	3.0
GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0	Elective General Elective	3.0
PHYS101 - Introductory Physics	4.0	Total Credits	13.0 - 17.0
PHYS102 - Introductory Physics	4.0		
PHYS110 - General Physics	4.0		
PHYS120 - General Physics	4.0		
PHYS211 - General Physics	5.0		
PSCI101 - Physical Science	4.0		
Area F -Diversity Studies Take one of the following:		Program Outcomes	
ANTH102 - Introduction to Cultural Anthropology	3.0	Liberal Arts and Sciences: Math and Science Option 1	
ANTH112 - Native North Americans	3.0	Solve problems, including computational, real world, and/or proof, independently.	
BUS212 - Women in Organizations	3.0	Effectively communicate solutions to problems using words and/or mathematical symbols.	
CFE116 - Diversity in Early Childhood Education	3.0		
COMM114 - Art of Storytelling	3.0		
COMM217 - Gender and Communication	3.0		
COMM219 - Introduction to Intercultural Communication	3.0		
DFST105 - Introduction to American Deaf Culture	3.0		
DFST106 - Introduction to Deaf Education	3.0		
ECON110 - Economics of the Underclass	3.0		
ENGL253 - African American Literature	3.0		
ENGL256 - Latinx Literature	3.0		
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0		
ENGL259 - Gender, Image, and Rhetoric	3.0		
FTV201 - Intercultural & Women's Film	3.0		
FTV203 - African-American Cinema	3.0		
HE201 - Women's Health Issues	3.0		
HIST110 - African-American History, 1450-1877	3.0		
		Social and Behavioral Sciences- Option II	
		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 (Total 18)	
		Complete the following number of credits: 18	
		AJ206 - Criminology 3	
		ANTH102 - Introduction to Cultural Anthropology 3	
		ANTH103 - Archaeology and World Prehistory 3	
		ANTH110 - Latin American Cultures 3	
		ANTH112 - Ethnic Studies: Native North Americans 3	
		ANTH140 - Intro to Archaeology 4	
		BUS212 - Women in Organizations 3	
		CFE102 - The Developing Child-Child Growth and Development 3	
		CFE103 - The Child in Family and Community Relationship 3	
		DFST105 - Introduction to American Deaf Culture 3	

DFST106 - Introduction to Deaf Education 3
 ECON100 - Survey of Economics 3
 ECON101 - Principles of Macroeconomics 3
 ECON102 - Principles of Microeconomics 3
 ECON110 - Economics of the Underclass 3
 GEOG105 - Cultural Geography 3
 GEOG106 - California Geography 3
 GEOG110 - World Regional Geography 3
 HIST101 - Western Civilization, Ancient-1750 3
 HIST102 - Western Civilization, 1750 - Present 3
 HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500 3
 HIST105 - Introduction to World Civilization, 1500 - Present 3
 HIST107 - U.S. History, 1607-1877 3
 HIST108 - U.S. History from 1865 3
 HIST110 - African-American History, 1450-1877 3
 HIST111 - African-American History, 1877-Present 3
 HIST113 - Women in American History 3
 HIST114 - History of California 3
 HIST116 - Contemporary U.S. History: From Vietnam to Iraq 3
 HIST118 - American West History, 1806-Present 3
 HIST119 - History of Latin America and the Caribbean 3
 POLS101 - American Political Institutions 3
 POLS103 - Comparative Government 3
 POLS200 - Introduction to Political Theory 3
 POLS202 - Ethnic Politics in America 3
 POLS203 - The Judicial Process 3
 PSY101 - General Psychology 3
 PSY200 - Introduction to Research Methods in Psychology 3
 PSY201 - Introduction to Physiological Psychology 3
 PSY212 - Human Sexuality 3
 PSY230 - Social Psychology 3
 PSY232 - Theories of Personality 3
 PSY233 - Personal and Social Adjustment 3
 PSY234 - Abnormal Psychology 3
 PSY235 - Child Psychology 3
 PSY236 - Developmental Psychology 3
 SOC101 - Introduction to Sociology 3
 SOC105 - The Mexican American in Contemporary Society 3
 SOC110 - Ethnic Relations 3
 SOC115 - Modern Relationships and Family Life 3
 SOC116 - Sociology of Gender and Sexuality 3
 SOC111 - Issues and Concepts in Aging 3
 SOC112 - American Social Issues: Problems and Challenges 3
 SOC120 - Drugs, Society and Human Behavior 3
 SOC200 - Research Methods for the Social Sciences 3

Social and Behavioral Sciences II

Take one of the following:

AJ206 - Criminology 3.0
 ANTH102 - Introduction to Cultural Anthropology 3.0
 ANTH103 - Archaeology and World Prehistory 3.0
 ANTH110 - Latin American Cultures 3.0
 ANTH112 - Ethnic Studies: Native North Americans 3.0
 ANTH140 - Intro to Archaeology 4.0
 BUS212 - Women in Organizations 3.0
 CFE102 - The Developing Child-Child Growth and Development 3.0
 CFE103 - The Child in Family and Community Relationship 3.0
 DFST105 - Introduction to American Deaf Culture 3.0
 DFST106 - Introduction to Deaf Education 3.0
 ECON100 - Survey of Economics 3.0
 ECON101 - Principles of Macroeconomics 3.0
 ECON102 - Principles of Microeconomics 3.0
 ECON110 - Economics of the Underclass 3.0
 GEOG105 - Cultural Geography 3.0
 GEOG106 - California Geography 3.0
 GEOG110 - World Regional Geography 3.0
 HIST101 - Western Civilization, Ancient-1750 3.0
 HIST102 - Western Civilization, 1750 - Present 3.0
 HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500 3.0
 HIST105 - Introduction to World Civilization, 1500 - Present 3.0
 HIST107 - U.S. History, 1607-1877 3.0
 HIST108 - U.S. History from 1865 3.0
 HIST110 - African-American History, 1450-1877 3.0
 HIST111 - African-American History, 1877-Present 3.0
 HIST113 - Women in American History 3.0
 HIST114 - History of California 3.0
 HIST116 - Contemporary U.S. History: From Vietnam to Iraq 3.0
 HIST118 - American West History, 1806-Present 3.0
 HIST119 - History of Latin America and the Caribbean 3.0

Recommended Pathway

Term 1 - Fall

Credits

POLS101 - American Political Institutions	3.0	ANTH102 - Introduction to Cultural Anthropology	3.0
POLS103 - Comparative Government	3.0	ANTH103 - Archaeology and World Prehistory	3.0
POLS200 - Introduction to Political Theory	3.0	ANTH110 - Latin American Cultures	3.0
POLS202 - Ethnic Politics in America	3.0	ANTH112 - Ethnic Studies: Native North Americans	3.0
POLS203 - The Judicial Process	3.0	ANTH140 - Intro to Archaeology	4.0
PSY101 - General Psychology	3.0	BUS212 - Women in Organizations	3.0
PSY200 - Introduction to Research Methods in Psychology	3.0	CFE102 - The Developing Child-Child Growth and Development	3.0
PSY201 - Introduction to Physiological Psychology	3.0	CFE103 - The Child in Family and Community Relationship	3.0
PSY212 - Human Sexuality	3.0	DFST105 - Introduction to American Deaf Culture	3.0
PSY230 - Social Psychology	3.0	DFST106 - Introduction to Deaf Education	3.0
PSY232 - Theories of Personality	3.0	ECON100 - Survey of Economics	3.0
PSY233 - Personal and Social Adjustment	3.0	ECON101 - Principles of Macroeconomics	3.0
PSY234 - Abnormal Psychology	3.0	ECON102 - Principles of Microeconomics	3.0
PSY235 - Child Psychology	3.0	ECON110 - Economics of the Underclass	3.0
PSY236 - Developmental Psychology	3.0	GEOG105 - Cultural Geography	3.0
SOC101 - Introduction to Sociology	3.0	GEOG106 - California Geography	3.0
SOC105 - The Mexican American in Contemporary Society	3.0	GEOG110 - World Regional Geography	3.0
SOC110 - Ethnic Relations	3.0	HIST101 - Western Civilization, Ancient-1750	3.0
SOC115 - Modern Relationships and Family Life	3.0	HIST102 - Western Civilization, 1750 - Present	3.0
SOC116 - Sociology of Gender and Sexuality	3.0	HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
SOC111 - Issues and Concepts in Aging	3.0	HIST105 - Introduction to World Civilization, 1500 - Present	3.0
SOC112 - American Social Issues: Problems and Challenges	3.0	HIST107 - U.S. History, 1607-1877	3.0
SOC120 - Drugs, Society and Human Behavior	3.0	HIST108 - U.S. History from 1865	3.0
SOC200 - Research Methods for the Social Sciences	3.0	HIST110 - African-American History, 1450-1877	3.0
Area D1 - Language & Rationality - Academic Composition		HIST111 - African-American History, 1877-Present	3.0
ENGL101 - College Composition	3.0	HIST113 - Women in American History	3.0
Area E -Additional Breadth		HIST114 - History of California	3.0
Take one of the following:		HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
Course utilized from AREA A, B, C, or D2	3.0	HIST118 - American West History, 1806-Present	3.0
HD101 - College and Life Management	3.0	HIST119 - History of Latin America and the Caribbean	3.0
Elective General Elective	3.0	POLS101 - American Political Institutions	3.0
Elective General Elective	3.0	POLS103 - Comparative Government	3.0
Total Credits	15.0 - 16.0	POLS200 - Introduction to Political Theory	3.0
Term 2 - Spring	Credits		
Social and Behavioral Sciences II			
Take one of the following:			
AJ206 - Criminology	3.0		

POLS202 - Ethnic Politics in America	3.0	ECON100 - Survey of Economics	3.0
POLS203 - The Judicial Process	3.0	ECON101 - Principles of Macroeconomics	3.0
PSY101 - General Psychology	3.0	ECON102 - Principles of Microeconomics	3.0
PSY200 - Introduction to Research Methods in Psychology	3.0	ECON110 - Economics of the Underclass	3.0
PSY201 - Introduction to Physiological Psychology	3.0	GEOG105 - Cultural Geography	3.0
PSY212 - Human Sexuality	3.0	GEOG106 - California Geography	3.0
PSY230 - Social Psychology	3.0	GEOG110 - World Regional Geography	3.0
PSY232 - Theories of Personality	3.0	HIST101 - Western Civilization, Ancient-1750	3.0
PSY233 - Personal and Social Adjustment	3.0	HIST102 - Western Civilization, 1750 - Present	3.0
PSY234 - Abnormal Psychology	3.0	HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
PSY235 - Child Psychology	3.0	HIST105 - Introduction to World Civilization, 1500 - Present	3.0
PSY236 - Developmental Psychology	3.0	HIST107 - U.S. History, 1607-1877	3.0
SOC101 - Introduction to Sociology	3.0	HIST108 - U.S. History from 1865	3.0
SOC105 - The Mexican American in Contemporary Society	3.0	HIST110 - African-American History, 1450-1877	3.0
SOC110 - Ethnic Relations	3.0	HIST111 - African-American History, 1877-Present	3.0
SOC115 - Modern Relationships and Family Life	3.0	HIST113 - Women in American History	3.0
SOC116 - Sociology of Gender and Sexuality	3.0	HIST114 - History of California	3.0
SOC111 - Issues and Concepts in Aging	3.0	HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
SOC112 - American Social Issues: Problems and Challenges	3.0	HIST118 - American West History, 1806-Present	3.0
SOC120 - Drugs, Society and Human Behavior	3.0	HIST119 - History of Latin America and the Caribbean	3.0
SOC200 - Research Methods for the Social Sciences	3.0	POLS101 - American Political Institutions	3.0
Social and Behavioral Sciences II		POLS103 - Comparative Government	3.0
Take one of the following:		POLS200 - Introduction to Political Theory	3.0
AJ206 - Criminology	3.0	POLS202 - Ethnic Politics in America	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	POLS203 - The Judicial Process	3.0
ANTH103 - Archaeology and World Prehistory	3.0	PSY101 - General Psychology	3.0
ANTH110 - Latin American Cultures	3.0	PSY200 - Introduction to Research Methods in Psychology	3.0
ANTH112 - Ethnic Studies: Native North Americans	3.0	PSY201 - Introduction to Physiological Psychology	3.0
ANTH140 - Intro to Archaeology	4.0	PSY212 - Human Sexuality	3.0
BUS212 - Women in Organizations	3.0	PSY230 - Social Psychology	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0	PSY232 - Theories of Personality	3.0
CFE103 - The Child in Family and Community Relationship	3.0	PSY233 - Personal and Social Adjustment	3.0
DFST105 - Introduction to American Deaf Culture	3.0	PSY234 - Abnormal Psychology	3.0
DFST106 - Introduction to Deaf Education	3.0	PSY235 - Child Psychology	3.0
		PSY236 - Developmental Psychology	3.0

SOC101 - Introduction to Sociology	3.0	GEOG105 - Cultural Geography	3.0
SOC105 - The Mexican American in Contemporary Society	3.0	GEOG106 - California Geography	3.0
SOC110 - Ethnic Relations	3.0	GEOG110 - World Regional Geography	3.0
SOC115 - Modern Relationships and Family Life	3.0	HIST101 - Western Civilization, Ancient-1750	3.0
SOC116 - Sociology of Gender and Sexuality	3.0	HIST102 - Western Civilization, 1750 - Present	3.0
SOC111 - Issues and Concepts in Aging	3.0	HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
SOC112 - American Social Issues: Problems and Challenges	3.0	HIST105 - Introduction to World Civilization, 1500 - Present	3.0
SOC120 - Drugs, Society and Human Behavior	3.0	HIST107 - U.S. History, 1607-1877	3.0
SOC200 - Research Methods for the Social Sciences	3.0	HIST108 - U.S. History from 1865	3.0
Area D2 - Language & Rationality - Academic Composition		HIST110 - African-American History, 1450-1877	3.0
MATH110 - Mathematics for Liberal Arts Students	3.0	HIST111 - African-American History, 1877-Present	3.0
Area B - Social & Behavioral Sciences		HIST113 - Women in American History	3.0
Take one of the following:		HIST114 - History of California	3.0
HIST108 - U.S. History from 1865	3.0	HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
POLS101 - American Political Institutions	3.0	HIST118 - American West History, 1806-Present	3.0
Elective General Elective	3.0	HIST119 - History of Latin America and the Caribbean	3.0
Total Credits	15.0 - 17.0	POLS101 - American Political Institutions	3.0
Term 3 - Fall	Credits	POLS103 - Comparative Government	3.0
Social and Behavioral Sciences II		POLS200 - Introduction to Political Theory	3.0
Take one of the following:		POLS202 - Ethnic Politics in America	3.0
AJ206 - Criminology	3.0	POLS203 - The Judicial Process	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	PSY101 - General Psychology	3.0
ANTH103 - Archaeology and World Prehistory	3.0	PSY200 - Introduction to Research Methods in Psychology	3.0
ANTH110 - Latin American Cultures	3.0	PSY201 - Introduction to Physiological Psychology	3.0
ANTH112 - Ethnic Studies: Native North Americans	3.0	PSY212 - Human Sexuality	3.0
ANTH140 - Intro to Archaeology	4.0	PSY230 - Social Psychology	3.0
BUS212 - Women in Organizations	3.0	PSY232 - Theories of Personality	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0	PSY233 - Personal and Social Adjustment	3.0
CFE103 - The Child in Family and Community Relationship	3.0	PSY234 - Abnormal Psychology	3.0
DFST105 - Introduction to American Deaf Culture	3.0	PSY235 - Child Psychology	3.0
DFST106 - Introduction to Deaf Education	3.0	PSY236 - Developmental Psychology	3.0
ECON100 - Survey of Economics	3.0	SOC101 - Introduction to Sociology	3.0
ECON101 - Principles of Macroeconomics	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
ECON102 - Principles of Microeconomics	3.0	SOC110 - Ethnic Relations	3.0
ECON110 - Economics of the Underclass	3.0		

SOC115 - Modern Relationships and Family Life	3.0	HIST113 - Women in American History	3.0
SOC116 - Sociology of Gender and Sexuality	3.0	HIST114 - History of California	3.0
SOC111 - Issues and Concepts in Aging	3.0	HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
SOC112 - American Social Issues: Problems and Challenges	3.0	HIST118 - American West History, 1806-Present	3.0
SOC120 - Drugs, Society and Human Behavior	3.0	HIST119 - History of Latin America and the Caribbean	3.0
SOC200 - Research Methods for the Social Sciences	3.0	POLS101 - American Political Institutions	3.0
Social and Behavioral Sciences II		POLS103 - Comparative Government	3.0
Take one of the following:		POLS200 - Introduction to Political Theory	3.0
AJ206 - Criminology	3.0	POLS202 - Ethnic Politics in America	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	POLS203 - The Judicial Process	3.0
ANTH103 - Archaeology and World Prehistory	3.0	PSY101 - General Psychology	3.0
ANTH110 - Latin American Cultures	3.0	PSY200 - Introduction to Research Methods in Psychology	3.0
ANTH112 - Ethnic Studies: Native North Americans	3.0	PSY201 - Introduction to Physiological Psychology	3.0
ANTH140 - Intro to Archaeology	4.0	PSY212 - Human Sexuality	3.0
BUS212 - Women in Organizations	3.0	PSY230 - Social Psychology	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0	PSY232 - Theories of Personality	3.0
CFE103 - The Child in Family and Community Relationship	3.0	PSY233 - Personal and Social Adjustment	3.0
DFST105 - Introduction to American Deaf Culture	3.0	PSY234 - Abnormal Psychology	3.0
DFST106 - Introduction to Deaf Education	3.0	PSY235 - Child Psychology	3.0
ECON100 - Survey of Economics	3.0	PSY236 - Developmental Psychology	3.0
ECON101 - Principles of Macroeconomics	3.0	SOC101 - Introduction to Sociology	3.0
ECON102 - Principles of Microeconomics	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
ECON110 - Economics of the Underclass	3.0	SOC110 - Ethnic Relations	3.0
GEOG105 - Cultural Geography	3.0	SOC115 - Modern Relationships and Family Life	3.0
GEOG106 - California Geography	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
GEOG110 - World Regional Geography	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC200 - Research Methods for the Social Sciences	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	Area C - Humanities MUSC108 - History of Hip Hop	3.0
HIST107 - U.S. History, 1607-1877	3.0	Area A - Natural Sciences ANTH101 - Introduction to Biological Anthropology	3.0
HIST108 - U.S. History from 1865	3.0	Elective General Elective	3.0
HIST110 - African-American History, 1450-1877	3.0	Total Credits	15.0 - 17.0
HIST111 - African-American History, 1877-Present	3.0	Term 4 - Spring	Credits
		Social and Behavioral Sciences II	
		Take one of the following:	

AJ206 - Criminology	3.0	POLS202 - Ethnic Politics in America	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	POLS203 - The Judicial Process	3.0
ANTH103 - Archaeology and World Prehistory	3.0	PSY101 - General Psychology	3.0
ANTH110 - Latin American Cultures	3.0	PSY200 - Introduction to Research Methods in Psychology	3.0
ANTH112 - Ethnic Studies: Native North Americans	3.0	PSY201 - Introduction to Physiological Psychology	3.0
ANTH140 - Intro to Archaeology	4.0	PSY212 - Human Sexuality	3.0
BUS212 - Women in Organizations	3.0	PSY230 - Social Psychology	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0	PSY232 - Theories of Personality	3.0
CFE103 - The Child in Family and Community Relationship	3.0	PSY233 - Personal and Social Adjustment	3.0
DFST105 - Introduction to American Deaf Culture	3.0	PSY234 - Abnormal Psychology	3.0
DFST106 - Introduction to Deaf Education	3.0	PSY235 - Child Psychology	3.0
ECON100 - Survey of Economics	3.0	PSY236 - Developmental Psychology	3.0
ECON101 - Principles of Macroeconomics	3.0	SOC101 - Introduction to Sociology	3.0
ECON102 - Principles of Microeconomics	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
ECON110 - Economics of the Underclass	3.0	SOC110 - Ethnic Relations	3.0
GEOG105 - Cultural Geography	3.0	SOC115 - Modern Relationships and Family Life	3.0
GEOG106 - California Geography	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
GEOG110 - World Regional Geography	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC200 - Research Methods for the Social Sciences	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	Area F - Diversity Studies HIST111 - African-American History, 1877-Present	3.0
HIST107 - U.S. History, 1607-1877	3.0	Elective General Elective	3.0
HIST108 - U.S. History from 1865	3.0	Elective General Elective	3.0
HIST110 - African-American History, 1450-1877	3.0	Elective General Elective	3.0
HIST111 - African-American History, 1877-Present	3.0	Total Credits	15.0 - 16.0
HIST113 - Women in American History	3.0	Program Outcomes	
HIST114 - History of California	3.0	Social Behavioral Option II PLOs	
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0	Students will demonstrate an awareness of the methods of inquiry used by professional social and behavioral scientists, including research, critical analysis, and synthesis.	
HIST118 - American West History, 1806-Present	3.0	Students will be able to critically evaluate the behaviors, attitudes, and beliefs of diverse cultures.	
HIST119 - History of Latin America and the Caribbean	3.0		
POLS101 - American Political Institutions	3.0		
POLS103 - Comparative Government	3.0		
POLS200 - Introduction to Political Theory	3.0		

Library Studies

Information literacy, the ability to effectively locate, analyze and use information, has become as necessary a skill as reading, writing, and arithmetic. Library courses provide the means to develop information literacy skills for academic class work and lifelong learning.

These courses help students more effectively function in all programs offered at the college by teaching academic research methods and the organization of information. Students learn the history, development, and function of information in society and develop an appreciation of how information skills enhance their lives beyond college.

Introduction to Academic Libraries & Research

LIB101:

2.0 Units

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)

Information Literacy

LIB107:

3.0 Units

The course is based on the “Framework for Information Literacy for Higher Education” published by the Association of College and Research Libraries (ACRL). Students will learn how information is organized, how to search for and retrieve information, and how to evaluate information. Students will learn to use reference sources and information technology tools including databases and the internet. Students will learn the steps of completing a research paper, but will develop a bibliography of cited and annotated information resources. This course is designed to satisfy the Information Literacy requirements found at many colleges and universities. (CSU, AVC) (GE: AVC Area E)

Introduction to Internet Research

LIB110:

1.0 Units

This is an introductory course in using the internet and WWW as tools for college research. Course content includes effective and efficient use of search engines, the history and development of internet search tools and evaluating information resources from the internet its use and applicability in college-level research. (CSU, AVC) (GE: AVC Area E)

Work Experience

LIB199:

4.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Management

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.

Management Principles

MGT101:

3.0 Units

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)

Human Behavior in Organization

MGT115:

3.0 Units

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)

Human Resources Management

MGT121:

3.0 Units

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)

Work Experience

MGT199:

1.0 - 4.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Small Business Management

MGT201:

3.0 Units

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)

Marketing

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 how 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

Digital Marketing

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 social media 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

Required Courses (Total 24)

Complete all of the following

MKTG101 - Principles of Marketing 3
 MKTG130 - Digital Marketing 3
 MKTG132 - Social Media Marketing 3
 DM101 - Digital Media Arts 3
 DM103 - Graphic Design I 3
 DM115 - Graphic Communications I 3

Program Electives (Total 6)

Complete the following number of credits: 6

PHTC125 - Beginning Digital Photography 3
 DM113 - Photoshop I 3
 DM106 - Video Design & Production I 3
 DM127 - Web Design and Production I 3

Recommended Pathway

Term 1	Credits
Required Courses MKTG101 - Principles of Marketing	3.0
Required Courses DM101 - Digital Media Arts	3.0
Total Credits	6.0
Term 2	Credits
Required Courses MKTG130 - Digital Marketing	3.0

Required Courses DM115 - Graphic Communications I 3.0

Required Courses DM103 - Graphic Design I 3.0

Total Credits 9.0

Term 3 Credits

Program Electives Take one of the following:

PHTC125 - Beginning Digital Photography 3.0
 DM113 - Photoshop I 3.0
 DM106 - Video Design & Production I 3.0
 DM127 - Web Design and Production I 3.0

Program Electives Take one of the following:

PHTC125 - Beginning Digital Photography 3.0
 DM113 - Photoshop I 3.0
 DM106 - Video Design & Production I 3.0
 DM127 - Web Design and Production I 3.0

Required Courses MKTG132 - Social Media Marketing 3.0

Total Credits 9.0

Program Outcomes

PLOs for Social Media Marketing

Discuss the different steps required to develop a sound social media strategy.

Describe how companies and brands use social media to connect, interact, and engage with customers.

Principles of Marketing

MKTG101:

3.0 Units

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)

Introduction to Advertising

MKTG112:

3.0 Units

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)

Digital Marketing

MKTG130:

3.0 Units

Advisory: Completion of 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)

Social Media Marketing

MKTG132:

3.0 Units

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)

Occupational Work Experience

MKTG199:

8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objective, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Mathematics

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.

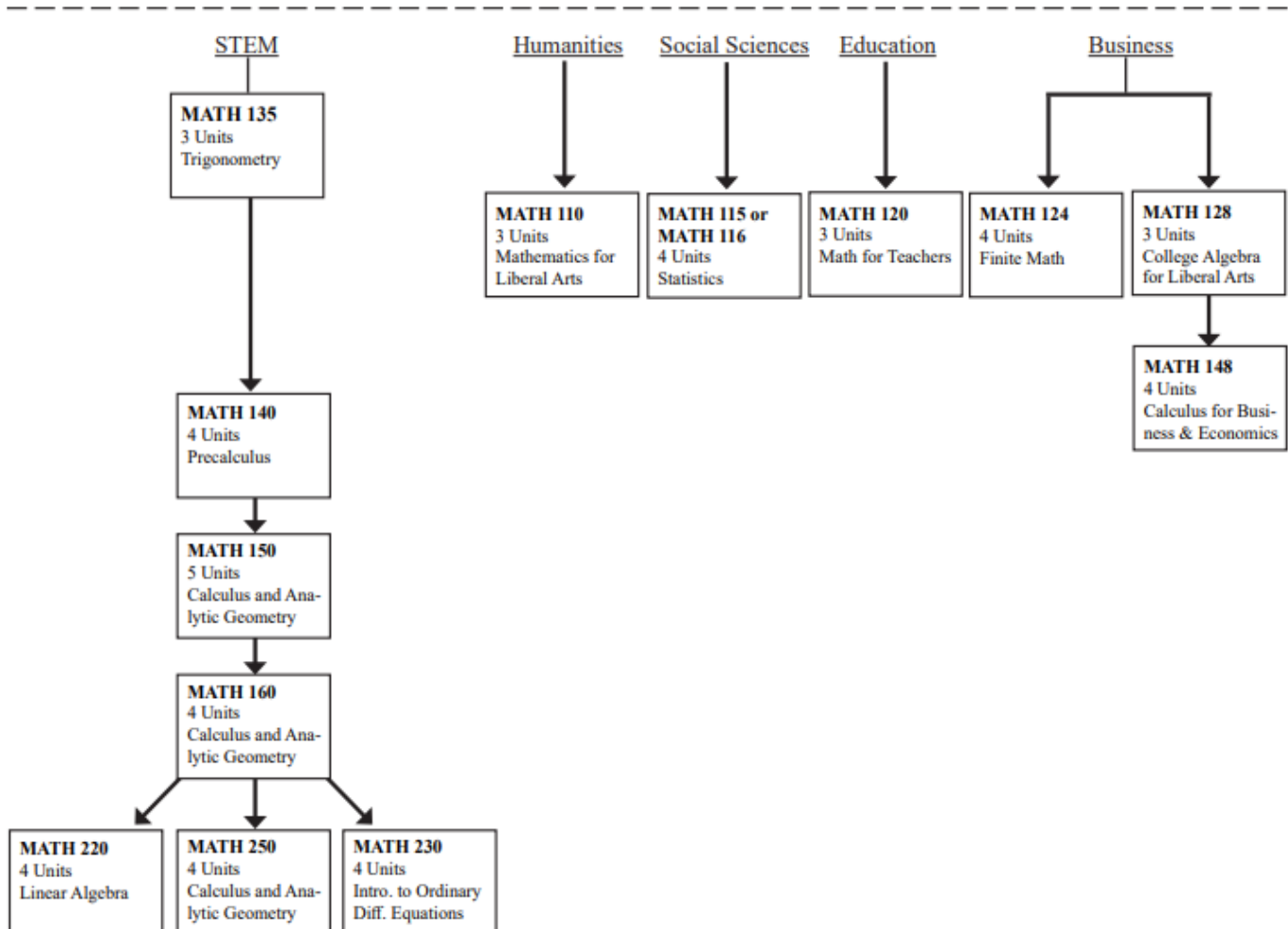
For additional guidance on which math course(s) is right for you, please see below.

MATHEMATICS COURSE SEQUENCES AND PREREQUISITES Pathways in Mathematics

LAC 022 1.0 Unit
Managing Math Anxiety

LAC 023 1.0 Unit
Math Study Strategy

Courses above dashed line are not transferable to CSU or UC



1. Students are advised to consult a counselor when selecting a Mathematics course.
2. Some courses below dotted line may not be transferable to certain four-year institutions. Consult Counselors/Transfer Center/4 yr. catalogs.

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Mathematics AS-T

The Associate in Science in Mathematics 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 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 a California State University campus. Specifically, if a student completes an "associate degree for transfer": To earn an Associate in Science in Mathematics for Transfer (AS-T in Mathematics) degree a student must complete the following: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education---Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Program Requirements

Mathematics AS-T (Total 18 - 19)

Complete the following number of credits: 18-19

Required Courses (Total 13)

Complete all of the following

MATH150 - Calculus and Analytic Geometry 5

MATH160 - Calculus and Analytic Geometry 4

MATH250 - Calculus and Analytic Geometry 4

Required Electives Group A and B (Total 8 - 16)

Complete the following number of rules: 8

Select 6 units minimum from the lists below with at least 3 units from list A 0

Group A; Select one to two (Total 4 - 8)

Complete at least one of the following rules

MATH220 - Linear Algebra 4

MATH230 - Introduction to Ordinary Differential Equations 4

Group B; Select one (Total 4 - 8)

Complete the following number of credits: 4-8

PHYS110 - General Physics 4

<<CHOOSE EITHER MATH115 OR MATH116 >>

MATH115 - Statistics 4

OR

MATH116 - Introduction to Statistics Using R 4

Recommended Pathway

Mathematics AS-T

First Semester	Credits
Required Courses MATH150 - Calculus and Analytic Geometry	5.0
A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
C-2 Humanities (Literature, Philosophy, Foreign Languages) PHIL106 - Introduction to Philosophy	3.0
E. Lifelong Learning and Self-Development HE120 - Stress Management	3.0
Elective KINF107 - Beginning Weight Lifting	1.0
Total Credits	15.0
Second Semester	Credits
Required Courses MATH160 - Calculus and Analytic Geometry	4.0
B-1 Physical Science PHYS110 - General Physics	4.0
A-2 Written Communication ENGL101 - College Composition	3.0
D. Social Sciences Take one of the following:	
HIST108 - U.S. History from 1865	3.0
HIST111 - African-American History, 1877-Present	3.0
Elective KINF108 - Intermediate Weight Lifting	1.0
Total Credits	15.0
Third Semester	Credits
Required Courses MATH250 - Calculus and Analytic Geometry	4.0
Mathematics AS-T Take one of the following:	
MATH230 - Introduction to Ordinary Differential Equations	4.0
MATH115 - Statistics	4.0
MATH116 - Introduction to Statistics Using R	4.0
C-1 Arts (Art, Dance, Music, Theatre) FTV101 - Introduction to Film	3.0
A-3 Critical Thinking PHIL201 - Critical Thinking	3.0
D. Social Sciences POLS101 - American Political Institutions	3.0
Total Credits	17.0

Fourth Semester	Credits
Area 2 – Mathematical Concepts and Quantitative Reasoning MATH220 - Linear Algebra	4.0
B-2 Life Science ANTH101 - Introduction to Biological Anthropology	3.0
C-1 Arts (Art, Dance, Music, Theatre) MUS101 - Music Appreciation	3.0
F. Ethnic Studies Take one of the following:	
Ethnic Studies Course	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
Total Credits	13.0

Program Outcomes
AS-T Mathematics

Solve mathematical problems, including computational, real world, and proof, independently.
Effectively communicate solutions to mathematical problems using both words and mathematical symbols.

Support Course for Math 115

MATH015:

2.0 Units

Corequisite: Concurrent enrollment in Math 115. A review of core prerequisite skills, competencies, and concepts needed in Statistics. Intended for students who are concurrently enrolled in MATH 115, 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.) (AVC)

Support Course for MATH 131

MATH031:

2.0 Units

Corequisite: Concurrent enrollment in Math 131. A review of core prerequisite skills, competencies, and concepts needed in College Algebra for STEM. Intended for students who are concurrently enrolled in MATH 131, College Algebra for STEM. Topics include concepts from arithmetic, pre-algebra, elementary algebra, and intermediate algebra that are needed to understand the basics of College Algebra for STEM. 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.) (AVC)

Support Course for Math 135

MATH035:

1.5 Units

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.) (AVC)

Math for Technical Fields

MATH103:

4.0 Units

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)

Mathematics for Liberal Arts

Students

MATH110:

3.0 Units

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) (GE: IGETC Area 2A, CSU Area B4, AVC Area D2)

Statistics

MATH115:

4.0 Units

Prerequisite: Completion of Intermediate Algebra or higher or placement by multiple measures. The use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications using data from disciplines including business, social sciences, psychology, life science, health science, and education. (C-ID: MATH 110) (UC, CSU, AVC) (GE: IGETC Area 2A, CSU Area B4, AVC Area D2)

Introduction to Statistics Using R

MATH116:

4.0 Units

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) (GE: IGETC Area 2A, CSU Area B4, AVC Area D2)

Math for Teachers

MATH120:

3.0 Units

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) (GE:CSU Area B4, AVC Area D2)

Finite Math

MATH124:

4.0 Units

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) (GE: IGETC Area 2A, CSU Area B4, AVC Area D2)

College Algebra for Liberal Arts

MATH128:

3.0 Units

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) (GE: IGETC Area 2A, CSU Area B4, AVC Area D2)

College Algebra for STEM

MATH131:

4.0 Units

Prerequisite: Completion of Intermediate Algebra or placement by multiple measures. This course is primarily for students who have completed intermediate algebra 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, technology, and mathematics. Topics include polynomial, rational, radical, exponential, absolute value, and logarithmic functions; system of equations; theory of polynomial equations; analytic geometry. (CSU, AVC).

Plane Trigonometry

MATH135:

3.0 Units

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) (GE: CSU Area B4, AVC Area D2)

Precalculus

MATH140:

4.0 Units

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) (GE: IGETC Area 2A, CSU Area B4, AVC Area D2)

Calculus for Business and

Economics

MATH148:

4.0 Units

Prerequisite: Completion of MATH 128 or higher. 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) (GE: IGETC Area 2A, CSU Area B4, AVC Area D2)

Calculus and Analytic Geometry

MATH150:

5.0 Units

Prerequisite: Completion of MATH 140 or MATH 131 and MATH 135 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. (MATH 150 + MATH 160 = C-ID: MATH 900S) (UC, CSU, AVC) (GE: IGETC Area 2A, CSU Area B4, AVC Area D2)

Calculus and Analytic Geometry

MATH160:

4.0 Units

Prerequisite: Completion of MATH 150. 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) (GE: IGETC Area 2A, CSU Area B4, AVC Area D2)

Linear Algebra

MATH220:

4.0 Units

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 \mathbb{R}^2 , diagonalizing quadratic forms and conic sections. (C-ID: MATH 250) (UC, CSU, AVC) (GE: IGETC Area 2A, CSU Area B4, AVC Area D2)

Introduction to Ordinary Differential Equations

MATH230:

4.0 Units

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) (GE: IGETC Area 2A, CSU Area B4, AVC Area D2)

Calculus and Analytic Geometry

MATH250:

4.0 Units

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) (GE: IGETC Area 2A, CSU Area B4, AVC Area D2)

Medical Assisting

The medical assistant program prepares people to work under the direction of physicians, registered nurses, and podiatrists in medical offices and clinics. There are two programs of study: Clinical Medical Assistant and Medical Assistant.

Medical Assistant Cert

Medical assistants are multiskilled health professionals specifically educated to work in ambulatory settings performing administrative and clinical duties. The practice of medical assisting directly influences the public's health and well-being, and requires mastery of a complex body of knowledge and specialized skills requiring both formal education and practical experience that serve as standards for entry into the profession. The medical assistant program prepares people to work under the direction of physicians, registered nurses, and podiatrists in medical offices and clinics. The Certificate will not allow the holder to sit for credentialing examinations.

Program Requirements

Medical Assistant Cert (Total 47)

Complete all of the following

Required Courses (Total 47)

Complete the following number of credits: 47

MOA101 - Beginning Medical Terminology 3
MOA102 - Advanced Medical Terminology 3
MOA110 - Beginning Medical Office Assisting 4
MOA111 - Advanced Medical Office Assisting 7
BIOL100 - Elementary Human Anatomy and Physiology 3
BIP110 - Keyboarding I 1
BIP111 - MS Word I 1
BIP112 - MS Excel I 1
BIP120 - Keyboarding II 1
BIP121 - MS Word II 1
BIP122 - MS Excel II 1
BIP130 - Keyboarding III 1
BIP131 - MS Word III 1
BIP132 - MS Excel III 1
BIP151 - Basic Principles of Coding for the Medical Office 3
BIP152 - Beginning Medical Insurance 3
BIP205 - Medical Office Procedures 3
COMM101 - Introduction to Public Speaking 3
ENGL101 - College Composition 3
NF100 - Nutrition 3

Recommended Pathway

	Credits
Term 1	
Required Courses NF100 - Nutrition	3.0
Required Courses BIOL100 - Elementary Human Anatomy and Physiology	3.0
Required Courses BIP110 - Keyboarding I	1.0
Required Courses BIP111 - MS Word I	1.0
Required Courses BIP120 - Keyboarding II	1.0
Required Courses BIP121 - MS Word II	1.0
Required Courses BIP130 - Keyboarding III	1.0
Required Courses BIP131 - MS Word III	1.0
Required Courses ENGL101 - College Composition	3.0
Total Credits	15.0
Term 2	Credits
Required Courses COMM101 - Introduction to Public Speaking	3.0
Required Courses MOA101 - Beginning Medical Terminology	3.0
Required Courses BIP151 - Basic Principles of Coding for the Medical Office	3.0
Required Courses BIP112 - MS Excel I	1.0
Required Courses BIP152 - Beginning Medical Insurance	3.0
Required Courses BIP122 - MS Excel II	1.0
Required Courses BIP132 - MS Excel III	1.0
Total Credits	15.0
Term 3	Credits
Required Courses MOA102 - Advanced Medical Terminology	3.0
Required Courses MOA110 - Beginning Medical Office Assisting	4.0
Required Courses BIP205 - Medical Office Procedures	3.0
Total Credits	10.0
Term 4	Credits
Required Courses MOA111 - Advanced Medical Office Assisting	7.0
Total Credits	7.0

Program Outcomes

Medical Assistant Cert

To prepare competent entry-level medical assistants in the (cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Medical Assistant AS

Medical assistants are multiskilled health professionals specifically educated to work in ambulatory settings performing administrative and clinical duties. The practice of medical assisting directly influences the public's health and well-being, and requires mastery of a complex body of knowledge and specialized skills requiring both formal education and practical experience that serve as standards for entry into the profession. The Associate in Science in Medical Office Assisting students who complete the degree in medical office assisting may have enhanced employment opportunities in the field. They may have priority for positions in physicians' offices, including office manager, case manager and trainer.

Program Requirements

Medical Assistant AS (Total 47)

Complete all of the following

MOA101 - Beginning Medical Terminology 3
 MOA102 - Advanced Medical Terminology 3
 MOA110 - Beginning Medical Office Assisting 4
 MOA111 - Advanced Medical Office Assisting 7
 BIP110 - Keyboarding I 1
 BIP111 - MS Word I 1
 BIP112 - MS Excel I 1
 BIP120 - Keyboarding II 1
 BIP121 - MS Word II 1
 BIP122 - MS Excel II 1
 BIP130 - Keyboarding III 1
 BIP131 - MS Word III 1
 BIP132 - MS Excel III 1
 BIP151 - Basic Principles of Coding for the Medical Office 3
 BIP152 - Beginning Medical Insurance 3
 BIP205 - Medical Office Procedures 3
 BIOL100 - Elementary Human Anatomy and Physiology 3
 ENGL101 - College Composition 3
 COMM101 - Introduction to Public Speaking 3
 NF100 - Nutrition 3

Recommended Pathway

Medical Assistant AS

1st Term	Credits
Medical Assistant AS NF100 - Nutrition	3.0
Medical Assistant AS BIOL100 - Elementary Human Anatomy and Physiology	3.0
Medical Assistant AS BIP120 - Keyboarding II	1.0
Medical Assistant AS BIP130 - Keyboarding III	1.0
Medical Assistant AS BIP111 - MS Word I	1.0

Medical Assistant AS BIP121 - MS Word II	1.0
Medical Assistant AS BIP110 - Keyboarding I	1.0
Medical Assistant AS ENGL101 - College Composition	3.0
Medical Assistant AS BIP131 - MS Word III	1.0
Total Credits	15.0

2nd Term Credits

Medical Assistant AS MOA101 - Beginning Medical Terminology	3.0
Medical Assistant AS COMM101 - Introduction to Public Speaking	3.0
Medical Assistant AS BIP151 - Basic Principles of Coding for the Medical Office	3.0
Medical Assistant AS BIP112 - MS Excel I	1.0
Medical Assistant AS BIP152 - Beginning Medical Insurance	3.0
Medical Assistant AS BIP122 - MS Excel II	1.0
Medical Assistant AS BIP132 - MS Excel III	1.0
Total Credits	15.0

3rd Term Credits

Medical Assistant AS MOA110 - Beginning Medical Office Assisting	4.0
Medical Assistant AS MOA102 - Advanced Medical Terminology	3.0
Medical Assistant AS BIP205 - Medical Office Procedures	3.0

Area B - Social & Behavioral Sciences

Take one of the following:

AJ201 - Police in Society	3.0
AJ204 - Juvenile Procedures	3.0
AJ206 - Criminology	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH103 - Archaeology and World Prehistory	3.0
ANTH112 - Native North Americans	3.0
ANTH140 - Introduction to Archaeology	4.0
BUS101 - Introduction to Business	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0
COMM217 - Gender and Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
ECON100 - Survey of Economics	3.0
ECON101 - Principles of Macroeconomics	3.0
ECON102 - Principles of Microeconomics	3.0

ECON110 - Economics of the Underclass	3.0	PSY235 - Child Psychology	3.0
GEOG105 - Cultural Geography	3.0	PSY236 - Developmental Psychology	3.0
GEOG106 - California Geography	3.0	SOC101 - Introduction to Sociology	3.0
GEOG110 - World Regional Geography	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	SOC110 - Ethnic Relations	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC115 - Marriage and Family Life	3.0
HIST107 - U.S. History, 1607-1877	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST108 - U.S. History from 1865	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST110 - African-American History, 1450-1877	3.0	Area C - Humanities Take one of the following:	
HIST111 - African-American History, 1877-Present	3.0	ART100 - Art Appreciation	3.0
HIST113 - Women in American History	3.0	ART101 - History of Art, Prehistoric to Gothic	3.0
HIST114 - History of California	3.0	ART102 - History of Art, Renaissance to Modern	3.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0	ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
HIST118 - American West History, 1806-Present	3.0	ART104 - History of Modern and Contemporary Art in the 20th Century	3.0
HIST119 - History of Latin America and the Caribbean	3.0	ART106 - History of Art: Asia	3.0
POLS101 - American Political Institutions	3.0	ART110 - Drawing	3.0
POLS103 - Comparative Government	3.0	ART113 - Painting I	3.0
POLS200 - Introduction to Political Theory	3.0	ART120 - Introduction to Printmaking	3.0
POLS201 - Contemporary International Relations	3.0	ART132 - Introduction to Ceramics: Hand-Building	3.0
POLS202 - Ethnic Politics in America	3.0	ART135 - Beginning Wheel-Thrown Ceramics	3.0
POLS203 - The Judicial Process	3.0	ART136 - Intermediate Wheel-Thrown Ceramics	3.0
PSY101 - General Psychology	3.0	ART137 - Advanced Wheel-Thrown Ceramics	3.0
PSY102 - Introduction to Alcohol and Other Drug Studies	3.0	ART140 - Watercolor	3.0
PSY201 - Introduction to Physiological Psychology	3.0	ART145 - 2-D Design Basics	3.0
PSY212 - Human Sexuality	3.0	ART150 - 3-D Design Basics	3.0
PSY230 - Social Psychology	3.0	ART210 - Drawing III	3.0
PSY232 - Theories of Personality	3.0	ART213 - Painting III	3.0
PSY233 - Personal and Social Adjustment	3.0	CHIN101 - Elementary Chinese I	5.0
PSY234 - Abnormal Psychology	3.0	CHIN102 - Elementary Chinese 2	5.0
		CHIN201 - Intermediate Chinese	5.0
		CHIN202 - Intermediate Chinese	5.0

COMM112 - Oral Interpretation	3.0	FTV251 - Contemporary American Independent Film	4.0
COMM114 - Art of Storytelling	3.0	FTV261 - Religion and Cinema	4.0
DA101 - Dance Appreciation	3.0	GER101 - Elementary German 1	5.0
DFST101 - American Sign Language I	4.0	GER102 - Elementary German 2	5.0
DFST102 - American Sign Language II	4.0	GER201 - Intermediate German 1	4.0
DFST105 - Introduction to American Deaf Culture	3.0	GER202 - Intermediate German 2	4.0
DFST106 - Introduction to Deaf Education	3.0	HIST115 - Cultural History of Mexico	3.0
DFST201 - American Sign Language III	4.0	LATN101 - Elementary Latin 1	5.0
DFST202 - American Sign Language IV	4.0	LATN102 - Elementary Latin 2	5.0
ENGL102 - Critical Thinking and Literature	3.0	LATN201 - Intermediate Latin	5.0
ENGL111 - Creative Writing: Fiction	3.0	MUS101 - Music Appreciation	3.0
ENGL112 - Creative Writing: Poetry	3.0	MUS105 - World Music	3.0
ENGL221 - American Literature 1400-1865	3.0	MUS111 - Fundamentals of Music (Music Theory I)	3.0
ENGL222 - American Literature 1865-Present	3.0	MUS131 - Piano I	2.0
ENGL225 - English Literature, 800-1750	3.0	MUS132 - Piano II	2.0
ENGL227 - English Literature, 1750-Present	3.0	MUS151 - Music Theory II	3.0
ENGL230 - World Literature 1	3.0	MUS153B - Musicianship II	2.0
ENGL231 - World Literature 2	3.0	MUS185 - Concert Choir	1.0
ENGL235 - Shakespeare and Culture	3.0	MUS231 - Piano III	2.0
ENGL242 - Narrative and Culture	3.0	MUS251A - Music Theory III	3.0
ENGL253 - African American Literature	3.0	MUS251B - Music Theory IV	3.0
ENGL256 - Latinx Literature	3.0	MUS253A - Musicianship III	2.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	MUS253B - Musicianship IV	2.0
ENGL259 - Gender, Image, and Rhetoric	3.0	MUSC102 - History of Jazz	3.0
ENGL265 - Film: Text and Context	3.0	MUSC103 - History of Rock 'n Roll	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0	MUSC107 - History of Women in Rock Music	3.0
FREN101 - Elementary French 1	5.0	MUSC109 - The History of Motown Music	3.0
FREN102 - Elementary French 2	5.0	NF150 - Food and Culture	3.0
FREN201 - Intermediate French 1	5.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
FREN202 - Intermediate French 2	5.0	PHIL106 - Intro to Philosophy	3.0
FREN203 - Advanced French	3.0	PHIL108 - Philosophy of Religion	3.0
FTV101 - Introduction to Film	3.0	PHIL109 - World Religions	3.0
FTV103 - Introduction to Television	3.0	PHOT107 - History of Photography	3.0
FTV107 - History of Film, Pre 1950	3.0	PHTC101 - Beginning Black and White Photography	3.0
FTV108 - History of Film, 1950-Present	3.0	PHTC150 - Beginning Color Photography	3.0
FTV201 - Intercultural & Women's Film	3.0	PHTC201 - Advanced Black and White Photography	3.0
FTV203 - African-American Cinema	3.0		

SPAN101 - Elementary Spanish 1	5.0	DFST106 - Introduction to Deaf Education	3.0
SPAN102 - Elementary Spanish 2	5.0	ECON110 - Economics of the Underclass	3.0
SPAN110SS - Spanish for Heritage Speakers I	5.0	ENGL253 - African American Literature	3.0
SPAN201 - Intermediate Spanish 1	5.0	ENGL256 - Latinx Literature	3.0
SPAN202 - Intermediate Spanish 2	5.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
SPAN210SS - Spanish for Heritage Speakers II	5.0	ENGL259 - Gender, Image, and Rhetoric	3.0
SPAN220SS - Composition and Conversation	5.0	FTV201 - Intercultural & Women's Film	3.0
THA101 - Introduction to Theatre	3.0	FTV203 - African-American Cinema	3.0
THA102 - Introduction to Stagecraft	3.0	HE201 - Women's Health Issues	3.0
THA103 - Introduction to Stage Lighting	3.0	HIST110 - African-American History, 1450-1877	3.0
THA110 - Fundamentals of Acting	3.0	HIST111 - African-American History, 1877-Present	3.0
THA115A - Rehearsal and Performance: Drama	1.0	HIST113 - Women in American History	3.0
THA116A - Rehearsal and Performance: Comedy	1.0	MUSC107 - History of Women in Rock Music	3.0
THA117A - Rehearsal and Performance: Musical Theatre	1.0	MUSC108 - History of Hip Hop	3.0
THA118A - Rehearsal and Performance: Children's Theatre	1.0	POLS202 - Ethnic Politics in America	3.0
THA121A - Theatre Production	1.0	SOC105 - The Mexican American in Contemporary Society	3.0
THA130 - Improvisation	3.0	SOC110 - Ethnic Relations	3.0
THA133 - Makeup for the Stage	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
THA225 - Script Analysis	3.0	THA239 - Intercultural and Women's Theatre	3.0
THA239 - Intercultural and Women's Theatre	3.0	Medical Assistant AS MOA111 - Advanced Medical Office Assisting	7.0
Total Credits	14.0 - 19.0	Total Credits	14.5
4th Term Credits		Program Outcomes	
Elective General Elective	3.0	AS Medical Assistant	
Elective General Elective	1.5	To prepare competent entry-level medical assistants in the (cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.	
Area F -Diversity Studies Take one of the following:		Beginning Medical Terminology	
ANTH102 - Introduction to Cultural Anthropology	3.0	MOA101:	
ANTH112 - Native North Americans	3.0	3.0 Units	
BUS212 - Women in Organizations	3.0	Prerequisite: Completion of 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)	
CFE116 - Diversity in Early Childhood Education	3.0		
COMM114 - Art of Storytelling	3.0		
COMM217 - Gender and Communication	3.0		
COMM219 - Introduction to Intercultural Communication	3.0		
DFST105 - Introduction to American Deaf Culture	3.0		

Advanced Medical Terminology

MOA102:

3.0 Units

Prerequisite: Completion of MOA 101 with a "C" or better, Completion of 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)

Beginning Medical Office Assisting

MOA110:

4.0 Units

Prerequisite: Completion of or concurrent enrollment in MOA 101. Completion of English 101 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. (AVC)

Advanced Medical Office Assisting

MOA111:

7.0 Units

Prerequisite: Current BLS card, Completion of MOA 110 with a "C" or better, Completion of English 101 with a "C" or better, and Completion of MOA 101 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. (AVC)

Work Experience

MOA199:

2.75 Units

Prerequisite: Completion of MOA 110 with a grade of "C" or better and hold a current BLS card. Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Metrology Sciences for Aerospace Manufacturing

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.

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. (AVC)

Program Requirements

Metrology Sciences for Aerospace Manufacturing (Total 10)

Complete all of the following

MSAM110 - Fundamentals of Dimensional Metrology 4

MSAM115 - Metrology Systems and Application 6

Recommended Pathway

Term 1	Credits
Metrology Sciences for Aerospace Manufacturing MSAM110 - Fundamentals of Dimensional Metrology	4.0
Metrology Sciences for Aerospace Manufacturing MSAM115 - Metrology Systems and Application	6.0
Total Credits	10.0

Program Outcomes

Metrology Sciences for Aerospace Manufacturing (MSAM)

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.

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.

Fundamentals of Dimensional Metrology

MSAM110:

4.0 Units

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)

Metrology Systems and Application

MSAM115:

6.0 Units

Prerequisite: Completion of MSAM110. 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)

Music

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.

***This degree may only be earned by completing the California State University General Education – Breadth Requirements. Please consult a counselor for additional information.**

Music AA-T

The Associate in Arts in Music for Transfer (AA-T in Music) degree offers an associate of arts degree with a major in Music that transfers completely to UC and CSU schools. It also offers enrichment courses, many of which are applicable to other associate degrees and meet transfer requirements. The program features opportunities for non-musicians to become skilled musicians; opportunities for public performances; an integration of college programs with music businesses and the public; performance ensembles such as the Antelope Valley Master Chorale, Concert Choir, Symphonic and Concert Band, and musical theater. The Antelope Valley Symphony Orchestra is an auxiliary of Antelope Valley College that combines students and professional musicians. The Associate in 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 campuses, but do not exclude admittance to other colleges or universities. To earn an Associate in Arts in Music for Transfer (AA-T in Music) degree a student must complete the following: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a “C” (or “P”) or better in all courses required for the major or area of emphasis. *This degree may only be earned by completing the California State University General Education---Breadth Requirements. Please consult a counselor for additional information.

Program Requirements

Music AA-T (Total 24)

Complete all of the following

Required Courses (Total 12)

Complete the following number of credits: 12

MUS111 - Fundamentals of Music (Music Theory I) 3

MUS151 - Music Theory II 3

MUS251A - Music Theory III 3

MUS153A - Musicianship I 1

MUS153B - Musicianship II 1

MUS253A - Musicianship III 1

Complete the below list of courses four times: (Total 4)

Complete the following number of credits: 4

MUS291 - Applied Music 0.5

MUS292 - Applied Music Performance 0.5

Large Ensemble (Total 4)

Complete the following number of credits: 4

MUS160 - Symphonic Band 1

MUS166 - Orchestra A 1

MUS167 - Orchestra B 1

MUS181 - Master Chorale 1

MUS185 - Concert Choir 1

MUS260 - Concert Band 1

MUS266 - Orchestra C 1

MUSC170A - Marching Ensemble 1

MUSC173 - Beginning Jazz Ensemble 1

MUSC273 - Intermediate Jazz Ensemble 1

MUSC274 - Advanced Jazz Ensemble 1

List A (Total 4)

Complete the following number of credits: 4

MUS251B - Music Theory IV 3

MUS253B - Musicianship IV 1

Recommended Pathway

AA-T in Music

Fall 1

	Credits
Required Courses MUS111 - Fundamentals of Music (Music Theory I)	3.0

Required Courses MUS153A - Musicianship I	1.0
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Complete the below list of courses four times: MUS292 - Applied Music Performance	0.5
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Complete the below list of courses four times: MUS291 - Applied Music	0.5
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Large Ensemble Take one of the following:

MUS160 - Symphonic Band	1.0
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MUS166 - Orchestra A	1.0
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MUS167 - Orchestra B	1.0
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MUS181 - Master Chorale	1.0
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MUS185 - Concert Choir	1.0
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MUS260 - Concert Band	1.0
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MUS266 - Orchestra C	1.0
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MUSC170A - Marching Ensemble	1.0	Complete the below list of courses four times:	0.5
MUSC173 - Beginning Jazz Ensemble	1.0	MUS291 - Applied Music	
MUSC273 - Intermediate Jazz Ensemble	1.0	Large Ensemble Take one of the following:	
MUSC274 - Advanced Jazz Ensemble	1.0	MUS160 - Symphonic Band	1.0
A-2 Written Communication ENGL101 -		MUS166 - Orchestra A	1.0
College Composition	3.0	MUS167 - Orchestra B	1.0
E. Lifelong Learning and Self-Development		MUS181 - Master Chorale	1.0
HD101 - College and Life Management	3.0	MUS185 - Concert Choir	1.0
Total Credits	12.0	MUS260 - Concert Band	1.0
Spring 1 (Term 2)	Credits	MUS266 - Orchestra C	1.0
Required Courses MUS151 - Music Theory II	3.0	MUSC170A - Marching Ensemble	1.0
Required Courses MUS153B - Musicianship II	1.0	MUSC173 - Beginning Jazz Ensemble	1.0
Complete the below list of courses four times:	0.5	MUSC273 - Intermediate Jazz Ensemble	1.0
MUS292 - Applied Music Performance		MUSC274 - Advanced Jazz Ensemble	1.0
Complete the below list of courses four times:	0.5	B-2 Life Science ANTH101 - Introduction to	
MUS291 - Applied Music		Biological Anthropology	3.0
Large Ensemble Take one of the following:		A-3 Critical Thinking ENGL102 - Critical	
MUS160 - Symphonic Band	1.0	Thinking and Literature	3.0
MUS166 - Orchestra A	1.0	F. Ethnic Studies Ethnic Studies Course	3.0
MUS167 - Orchestra B	1.0	Total Credits	15.0
MUS181 - Master Chorale	1.0	Spring 2 (Term 4)	Credits
MUS185 - Concert Choir	1.0	List A MUS251B - Music Theory IV	3.0
MUS260 - Concert Band	1.0	List A MUS253B - Musicianship IV	1.0
MUS266 - Orchestra C	1.0	Complete the below list of courses four times:	0.5
MUSC170A - Marching Ensemble	1.0	MUS292 - Applied Music Performance	
MUSC173 - Beginning Jazz Ensemble	1.0	Complete the below list of courses four times:	0.5
MUSC273 - Intermediate Jazz Ensemble	1.0	MUS291 - Applied Music	
MUSC274 - Advanced Jazz Ensemble	1.0	Large Ensemble Take one of the following:	
A-1 Oral Communication COMM101 -		MUS160 - Symphonic Band	1.0
Introduction to Public Speaking	3.0	MUS166 - Orchestra A	1.0
B-4 Mathematics/Quantitative Reasoning		MUS167 - Orchestra B	1.0
MATH110 - Mathematics for Liberal Arts Students	3.0	MUS181 - Master Chorale	1.0
C-2 Humanities Any CSU GE Area C-2	3.0	MUS185 - Concert Choir	1.0
Total Credits	15.0	MUS260 - Concert Band	1.0
Summer 1 (Term 3)	Credits	MUS266 - Orchestra C	1.0
D. Social Sciences HIST111 - African-		MUSC170A - Marching Ensemble	1.0
American History, 1877-Present	3.0	MUSC173 - Beginning Jazz Ensemble	1.0
D. Social Sciences POLS101 - American		MUSC273 - Intermediate Jazz Ensemble	1.0
Political Institutions	3.0	MUSC274 - Advanced Jazz Ensemble	1.0
Total Credits	6.0	B-1 Physical Science PSCI101 - Physical Science	4.0
Fall 2 (Term 3)	Credits	Elective General Elective	2.0
Required Courses MUS251A - Music Theory III	3.0	Total Credits	12.0
Required Courses MUS253A - Musicianship III	1.0		
Complete the below list of courses four times:	0.5		
MUS292 - Applied Music Performance			

Program Outcomes

AA-T Music

Students will perform a soloist and in ensemble with the technical skills that produce artistic expression.

Students will demonstrate command of the organizing principles of music through written analysis and composition.

Students will demonstrate advanced skills and aural analysis and dictation, and music reading.

Students will demonstrate advanced skills and keyboard musicianship.

Students will be prepared for the required placement exams associated with transferring to a four-year music program.

Music Appreciation

MUS101:

3.0 Units

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) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

World Music

MUS105:

3.0 Units

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) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

Fundamentals of Music (Music Theory I)

MUS111:

3.0 Units

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. (UC, CSU, AVC)

Voice Class

MUS121:

1.0 Units

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 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. For both beginning and more advanced singers. (UC, CSU, AVC) (GE: CSU Area C1) (R3)

Classical Guitar

MUS126:

1.0 Units

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. 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) (GE: CSU Area C1) (R3)

Piano I

MUS131:

1.0 Units

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) (GE: CSU Area C1, AVC Area C)

Piano II

MUS132:

1.0 Units

Prerequisite: Completion of MUS 131. A continuation of piano skills begun in MUS 131. (UC, CSU, AVC) (GE: CSU Area C1, AVC Area C)

Music Theory II

MUS151:

3.0 Units

Prerequisite: MUS 111 Advisory: 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)

Musicianship I

MUS153A:

1.0 Units

Advisory: Completion of MUS 111. 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) (CSU, UC, AVC)

Musicianship II

MUS153B:

1.0 Units

Advisory: Enrollment in MUS 151. 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. (UC, CSU, AVC) (C-ID: MUS 135) (GE: CSU Area C1, AVC Area C)

Symphonic Band

MUS160:

1.0 Units

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) (GE: CSU Area C1) (R3)

Guitar Ensemble

MUS165:

1.0 Units

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. (CSU, UC, AVC) (R3)

Orchestra A

MUS166:

1.0 Units

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. Beginning Orchestra combines with Intermediate and Advanced Orchestra classes to prepare music for public performance. 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#) (GE: CSU Area C1)

Orchestra B

MUS167:

1.0 Units

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. Prerequisite: Completion of MUS 166. Intermediate Orchestra combines with Beginning and Advanced Orchestra classes to prepare music for public performance. 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) (CSU, UC, AVC) (R3#)

Master Chorale

MUS181:

1.0 Units

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) (CSU, UC, AVC) (R3)

Concert Choir

MUS185:

1.0 Units

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 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) (GE: CSU Area C1, AVC Area C)

Piano III

MUS231:

1.0 Units

Prerequisite: Completion of MUS 132. This course is a continuation of piano skills begun in MUS 132. (UC, CSU, AVC) (GE: CSU Area C1, AVC Area C)

Music Theory III

MUS251A:

3.0 Units

Prerequisite: Completion of MUS 151. Advisory: Completion or concurrent enrollment in 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) (GE: CSU Area C1, AVC Area C)

Music Theory IV

MUS251B:

3.0 Units

Advisory: Completion of or Concurrent enrollment in 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) (GE: CSU Area C1, AVC Area C)

Musicianship III

MUS253A:

1.0 Units

Prerequisite: MUS 153B Advisory: MUS 251A 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. (UC, CSU, AVC)

Musicianship IV

MUS253B:

1.0 Units

Prerequisite: MUS 253A Advisory: MUS 251B 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. (UC, CSU, AVC)

Concert Band

MUS260:

1.0 Units

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.

Prerequisite: Completion of MUS 160. A course designed to rehearse and perform advanced 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 concert 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) (CSU, AVC) (R3#)

Orchestra C

MUS266:

1.0 Units

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.

Prerequisite: Completion of MUS 167. Advanced Orchestra combines with Beginning and Intermediate Orchestra classes to prepare music for public performance. 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) (CSU, UC, AVC) (R3)

Applied Music

MUS291:

0.5 Units

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. This course provides advanced individual instruction in each student's performing medium (an instrument or voice). (MUS 291+ MUS 292 = C-ID: MUS 160) (CSU, UC, AVC) (R3)

Applied Music Performance

MUS292:

0.5 Units

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)

Music - Commercial

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.

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)

Complete the following number of credits: 16

Required Courses (Total 13)

Complete all of the following

MUSC143A - Live Sound I 2

MUSC133 - Studio Music Production I 3

MUSC141 - Concert Management 2

MUSC104 - The Music Industry 3

MUSC112 - Commercial Music Theory 3

Required Courses (Total 3)

Complete the following number of credits: 3

MUSC102 - History of Jazz 3

MUSC103 - History of Rock 'n Roll 3

MUSC107 - History of Women in Rock Music 3

MUSC108 - History of Hip Hop 3

MUSC109 - The History of Motown Music 3

Program Electives (Total 2)

Complete the following number of credits: 2

MUSC124A - Jazz Improvisation A 1

MUSC124B - Jazz Improvisation B 1

MUSC124C - Jazz Improvisation C 1

MUSC274 - Advanced Jazz Ensemble 1

FTV241 - Beginning Audio Production 3

MUSC142 - Musical Theatre Workshop 1

MUSC173 - Beginning Jazz Ensemble 1

MUS291 - Applied Music 0.5

MUSC175A - Rock Band A 2

MUS292 - Applied Music Performance 0.5

MUSC175B - Rock Band B 2

MUSC175C - Rock Band C 2

MUSC220A - Commercial Music Ensemble A 2

MUSC220B - Commercial Music Ensemble B 2

MUSC220C - Commercial Music Ensemble C 2

MUSC199 - Work Experience 0

MUSC225 - Commercial Music Ensemble: Special Project 0.5

MUSC233 - Studio Music Production III 3

MUSC273 - Intermediate Jazz Ensemble 1

MUSC122 - Stage Voice 1

MUSC136 - Media Scoring 3

ELEC110 - Fundamentals of Electricity 4

Recommended Pathway

Music Commercial: Level I Certificate

First Semester

Credits

Required Courses MUSC104 - The Music Industry 3.0

Required Courses MUSC112 - Commercial Music Theory 3.0

Required Courses MUSC133 - Studio Music Production I 3.0

Required Courses MUSC143A - Live Sound I 2.0

Total Credits 11.0

Second Semester

Credits

Required Courses Take one of the following:

MUSC102 - History of Jazz 3.0

MUSC103 - History of Rock 'n Roll 3.0

MUSC107 - History of Women in Rock Music 3.0

MUSC108 - History of Hip Hop 3.0

MUSC109 - The History of Motown Music 3.0

Required Courses MUSC141 - Concert Management 2.0

Program Electives Take one of the following:

MUSC124A - Jazz Improvisation A 1.0

MUSC124B - Jazz Improvisation B 1.0

MUSC124C - Jazz Improvisation C 1.0

MUSC274 - Advanced Jazz Ensemble 1.0

FTV241 - Beginning Audio Production 3.0

MUSC142 - Musical Theatre Workshop 1.0

MUSC173 - Beginning Jazz Ensemble 1.0

MUS291 - Applied Music 0.5

MUSC175A - Rock Band A	2.0
MUS292 - Applied Music Performance	0.5
MUSC175B - Rock Band B	2.0
MUSC175C - Rock Band C	2.0
MUSC220A - Commercial Music Ensemble A	2.0
MUSC220B - Commercial Music Ensemble B	2.0
MUSC220C - Commercial Music Ensemble C	2.0
MUSC199 - Work Experience	0.0
MUSC225 - Commercial Music Ensemble: Special Project	0.5
MUSC233 - Studio Music Production III	3.0
MUSC273 - Intermediate Jazz Ensemble	1.0
MUSC122 - Stage Voice	1.0
MUSC136 - Media Scoring	3.0
ELEC110 - Fundamentals of Electricity	4.0
Total Credits	5.0 - 9.0

Program Outcomes

Music-Comm: LGeneral Cert

Demonstrate the ability to categorize, identify, and analyze significant genres of music.

Demonstrate a basic understanding of and skill level in the use of music technology and sound engineering.

Demonstrate the ability to analyze and critically evaluate a live musical performance.

Compare, contrast, and assess music industry professions.

Demonstrate skills in aural analysis and notation, and performance.

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 28)

Complete the following number of credits: 28

Required Courses (Total 24)

Complete the following number of credits: 24

Required Courses (Total 3)

Complete the following number of credits: 3

MUSC102 - History of Jazz 3

MUSC103 - History of Rock 'n Roll 3

MUSC107 - History of Women in Rock Music 3

MUSC108 - History of Hip Hop 3

MUSC109 - The History of Motown Music 3

Required Courses (Total 17)

Complete the following number of credits: 17

MUSC104 - The Music Industry 3

MUSC112 - Commercial Music Theory 3

MUSC113 - Popular Song Writing 3

MUSC133 - Studio Music Production I 3

MUSC134 - Studio Music Production II 3

MUSC141 - Concert Management 2

MUSC143A - Live Sound I 2

MUSC143B - Live Sound II 2

Program Electives (Total 4)

Complete the following number of credits: 4

ELEC110 - Fundamentals of Electricity 4

FTV241 - Beginning Audio Production 3

MUS291 - Applied Music 0.5

MUS292 - Applied Music Performance 0.5

MUSC122 - Stage Voice 1

MUSC124A - Jazz Improvisation A 1

MUSC124B - Jazz Improvisation B 1

MUSC124C - Jazz Improvisation C 1

MUSC136 - Media Scoring 3

MUSC173 - Beginning Jazz Ensemble 1

MUSC175A - Rock Band A 2

MUSC175B - Rock Band B 2

MUSC175C - Rock Band C 2

MUSC199 - Work Experience 1 - 3

MUSC220A - Commercial Music Ensemble A 2

MUSC220B - Commercial Music Ensemble B 2

MUSC220C - Commercial Music Ensemble C 2

MUSC225 - Commercial Music Ensemble: Special Project 0.5

MUSC233 - Studio Music Production III 3

MUSC273 - Intermediate Jazz Ensemble 1

MUSC274 - Advanced Jazz Ensemble 1

Recommended Pathway

Music Commercial: Level II Certificate

First Semester

Credits

Required Courses Take one of the following:

MUSC102 - History of Jazz 3.0

MUSC103 - History of Rock 'n Roll 3.0

MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
Required Courses MUSC104 - The Music Industry	3.0
Required Courses MUSC112 - Commercial Music Theory	3.0
Required Courses MUSC133 - Studio Music Production I	3.0
Required Courses MUSC143A - Live Sound I	2.0
Total Credits	14.0
Second Semester Credits	
Required Courses MUSC113 - Popular Song Writing	3.0
Required Courses MUSC134 - Studio Music Production II	3.0
Required Courses MUSC141 - Concert Management	2.0
Required Courses MUSC143B - Live Sound II	2.0
Program Electives Take one of the following:	
ELEC110 - Fundamentals of Electricity	4.0
FTV241 - Beginning Audio Production	3.0
MUS291 - Applied Music	0.5
MUS292 - Applied Music Performance	0.5
MUSC122 - Stage Voice	1.0
MUSC124A - Jazz Improvisation A	1.0
MUSC124B - Jazz Improvisation B	1.0
MUSC124C - Jazz Improvisation C	1.0
MUSC136 - Media Scoring	3.0
MUSC173 - Beginning Jazz Ensemble	1.0
MUSC175A - Rock Band A	2.0
MUSC175B - Rock Band B	2.0
MUSC175C - Rock Band C	2.0
MUSC199 - Work Experience	1.0 - 3.0
MUSC220A - Commercial Music Ensemble A	2.0
MUSC220B - Commercial Music Ensemble B	2.0
MUSC220C - Commercial Music Ensemble C	2.0
MUSC225 - Commercial Music Ensemble: Special Project	0.5

MUSC233 - Studio Music Production III	3.0
MUSC273 - Intermediate Jazz Ensemble	1.0
MUSC274 - Advanced Jazz Ensemble	1.0
Total Credits	10.5 - 14.0

Program Outcomes

Music-Comm: Perform Specialty Cert

Demonstrate an advanced understanding of and skill level in the use of music technology.

Demonstrate the ability to perform through participation in vocal and/or instrumental groups.

Examine and demonstrate aural analysis, technical skills, structural, and aesthetic features needed to produce quality songwriting.

Demonstrate the ability to analyze and critically evaluate a live musical performance.

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

AA Commercial Music (Total 28)

Complete the following number of credits: 28

Required Courses (Total 3)

Complete the following number of credits: 3

MUSC102 - History of Jazz 3

MUSC103 - History of Rock 'n Roll 3

MUSC107 - History of Women in Rock Music 3

MUSC108 - History of Hip Hop 3

MUSC109 - The History of Motown Music 3

Required Courses (Total 21)

Complete all of the following

MUSC104 - The Music Industry 3

MUSC112 - Commercial Music Theory 3

MUSC113 - Popular Song Writing 3

MUSC133 - Studio Music Production I 3

MUSC134 - Studio Music Production II 3

MUSC141 - Concert Management 2

MUSC143A - Live Sound I 2

MUSC143B - Live Sound II 2

Program Electives (Total 4)

Complete the following number of credits: 4

ELEC110 - Fundamentals of Electricity 4

FTV241 - Beginning Audio Production 3

MUS291 - Applied Music 0.5		ANTH112 - Ethnic Studies: Native North Americans	3.0
MUS292 - Applied Music Performance 0.5		BUS212 - Women in Organizations	3.0
MUSC122 - Stage Voice 1		CFE116 - Diversity Early Childhood Ed	3.0
MUSC124A - Jazz Improvisation A 1		COMM114 - Art of Storytelling	3.0
MUSC124B - Jazz Improvisation B 1		COMM217 - Gender and Communication	3.0
MUSC124C - Jazz Improvisation C 1		COMM219 - Introduction to Intercultural Communication	3.0
MUSC136 - Media Scoring 3		DFST105 - Introduction to American Deaf Culture	3.0
MUSC142 - Musical Theatre Workshop 1		DFST106 - Introduction to Deaf Education	3.0
MUSC173 - Beginning Jazz Ensemble 1		ECON110 - Economics of the Underclass	3.0
MUSC175A - Rock Band A 2		ENGL253 - African American Literature	3.0
MUSC175B - Rock Band B 2		ENGL256 - Latinx Literature	3.0
MUSC175C - Rock Band C 2		ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
MUSC199 - Work Experience 1 - 3		ENGL259 - Gender, Image, and Rhetoric	3.0
MUSC220A - Commercial Music Ensemble A 2		FTV201 - Intercultural & Women's Film	3.0
MUSC220B - Commercial Music Ensemble B 2		FTV203 - African-American Cinema	3.0
MUSC220C - Commercial Music Ensemble C 2		HE201 - Women's Health Issues	3.0
MUSC225 - Commercial Music Ensemble: Special Project 0.5		HIST110 - African-American History, 1450-1877	3.0
MUSC233 - Studio Music Production III 3		HIST111 - African-American History, 1877-Present	3.0
MUSC273 - Intermediate Jazz Ensemble 1		HIST113 - Women in American History	3.0
MUSC274 - Advanced Jazz Ensemble 1		MUSC107 - History of Women in Rock Music	3.0
		MUSC108 - History of Hip Hop	3.0
		POLS202 - Ethnic Politics in America	3.0
		SOC105 - The Mexican American in Contemporary Society	3.0
		SOC110 - Ethnic Relations	3.0
		SOC116 - Sociology of Gender and Sexuality	3.0
		THA239 - Intercultural and Women's Theatre	3.0
		Any GE Area F	3.0
		Elective General Elective	3.0
		Total Credits	16.0
		Third Semester	Credits
		Required Courses Take one of the following:	
		MUSC102 - History of Jazz	3.0
		MUSC103 - History of Rock 'n Roll	3.0
		MUSC107 - History of Women in Rock Music	3.0
		MUSC108 - History of Hip Hop	3.0
Recommended Pathway			
AA Commercial Music			
First Semester	Credits		
Required Courses MUSC104 - The Music Industry	3.0		
Required Courses MUSC133 - Studio Music Production I	3.0		
Required Courses MUSC143A - Live Sound I	2.0		
Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition	3.0		
Area C - Humanities MUS111 - Fundamentals of Music (Music Theory I)	3.0		
Total Credits	14.0		
Second Semester	Credits		
Required Courses MUSC134 - Studio Music Production II	3.0		
Required Courses MUSC141 - Concert Management	2.0		
Required Courses MUSC143B - Live Sound II	2.0		
Area D2 - Language & Rationality - Academic Composition MATH110 - Mathematics for Liberal Arts Students	3.0		
Area F -Diversity Studies Take one of the following:			
ANTH102 - Introduction to Cultural Anthropology	3.0		

MUSC109 - The History of Motown Music	3.0	MUSC173 - Beginning Jazz Ensemble	1.0
Required Courses MUSC112 - Commercial Music Theory	3.0	MUSC175A - Rock Band A	2.0
Area A - Natural Sciences ANTH101 - Introduction to Biological Anthropology	3.0	MUSC175B - Rock Band B	2.0
Program Electives Take one of the following:		MUSC175C - Rock Band C	2.0
FTV241 - Beginning Audio Production	3.0	MUSC199 - Work Experience	1.0 - 3.0
MUS291 - Applied Music	0.5	MUSC220A - Commercial Music Ensemble A	2.0
MUS292 - Applied Music Performance	0.5	MUSC220B - Commercial Music Ensemble B	2.0
MUSC122 - Stage Voice	1.0	MUSC220C - Commercial Music Ensemble C	2.0
MUSC124A - Jazz Improvisation A	1.0	MUSC225 - Commercial Music Ensemble: Special Project	0.5
MUSC124B - Jazz Improvisation B	1.0	MUSC233 - Studio Music Production III	3.0
MUSC124C - Jazz Improvisation C	1.0	MUSC273 - Intermediate Jazz Ensemble	1.0
MUSC142 - Musical Theatre Workshop	1.0	Area B - Social & Behavioral Sciences	3.0
MUSC173 - Beginning Jazz Ensemble	1.0	POLS101 - American Political Institutions	3.0
MUSC175A - Rock Band A	2.0	Area E -Additional Breadth	
MUSC175B - Rock Band B	2.0	Take one of the following:	
MUSC175C - Rock Band C	2.0	Course utilized from AREA A, B, C, or D2	3.0
MUSC199 - Work Experience	1.0 - 3.0	CFE102 - The Developing Child	3.0
MUSC220A - Commercial Music Ensemble A	2.0	COMM107 - Introduction to Interpersonal Communication	3.0
MUSC220B - Commercial Music Ensemble B	2.0	COMM219 - Introduction to Intercultural Communication	3.0
MUSC220C - Commercial Music Ensemble C	2.0	DA102 - Beg Ballet	1.0
MUSC225 - Commercial Music Ensemble: Special Project	0.5	DA103 - Beginning Modern Dance	1.0
MUSC233 - Studio Music Production III	3.0	DA104 - Beg Jazz Dance	1.0
MUSC273 - Intermediate Jazz Ensemble	1.0	DA105 - Beg Tap Dance	1.0
Elective General Elective	3.0	DA106 - Ballroom Dance	1.0
Elective General Elective	1.0	DA111 - Choreography	3.0
Total Credits	13.5 - 16.0	DA113 - World Dance-Ethnic Forms	1.0
Fourth Term	Credits	DA115 - Dance Repertory	1.0
Required Courses MUSC113 - Popular Song Writing	3.0	DA116 - Dance Improvisation	1.0
Program Electives Take one of the following:		DA122 - Int Ballet	1.0
FTV241 - Beginning Audio Production	3.0	DA123 - Int Modern Dance	1.0
MUS291 - Applied Music	0.5	DA124 - Int Jazz Dance	1.0
MUS292 - Applied Music Performance	0.5	DA125 - Int Tap Dance	1.0
MUSC122 - Stage Voice	1.0	DA202 - Advanced Ballet	1.0
MUSC124A - Jazz Improvisation A	1.0	DA203 - Adv Modern Dance	1.0
MUSC124B - Jazz Improvisation B	1.0	DA204 - Adv Jazz Dance	1.0
MUSC124C - Jazz Improvisation C	1.0	DA205 - Advanced Tap Dance	1.0
MUSC142 - Musical Theatre Workshop	1.0	DFST105 - Introduction to American Deaf Culture	3.0
		HD100 - Basic Strategies For College Success	1.5

HD101 - College and Life Management	3.0
HD102 - Soldiers to Scholars	3.0
HD103 - Career Planning	1.5
HD105 - Personal Development	3.0
HE101 - Health Education	3.0
HE120 - Stress Management	3.0
HE201 - Women's Health Issues	3.0
IATH101 - Weight Training for Athletes	0.5 - 2.0
IATH102 - Pre-Season Sport Conditioning	0.5 - 2.0
IATH205 - Intercollegiate Football	1.0 - 3.0
IATH215 - Intercollegiate Women's Softball	1.0 - 3.0
IATH220 - Intercollegiate Men's Basketball	1.0 - 3.0
IATH225 - Intercollegiate Women's Basketball	1.0 - 3.0
IATH265 - Intercollegiate Women's Tennis	1.0 - 3.0
IATH270 - Intercollegiate Men's Track and Field	1.0 - 3.0
IATH280 - Intercollegiate Men's Volleyball	1.0 - 3.0
IATH285 - Intercollegiate Women's Volleyball	1.0 - 3.0
KINF115 - Beginning Fast-Pitch Softball	1.0
KINF150 - Beginning Soccer	1.0
KINF151 - Intermediate Soccer	1.0
KINF160 - Beginning Tennis	1.0
KINF161 - Intermediate Tennis	1.0
KINT100 - Introduction to Kinesiology	3.0
KINF107 - Beginning Weight Lifting	1.0
LIB107 - Information Literacy	3.0
LIB110 - Introduction to Internet Research	1.0
MUSC108 - History of Hip Hop	3.0
NF100 - Nutrition	3.0
NF102 - Nutrition and Food for Children	3.0
NF103 - Principles of Food Preparation	3.0
NF110 - Sports Nutrition	3.0
NF150 - Food and Culture	3.0
PSY212 - Human Sexuality	3.0
SOC111 - Issues and Concepts in Aging	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
Any GE Area E	3.0
Elective General Elective	3.0
Total Credits	10.0 - 15.0

Program Outcomes

AA Commercial Music

Demonstrate an advanced understanding of and skill level in the use of music technology.

Demonstrate the ability to perform through participation in vocal and/or instrumental groups.

Examine and demonstrate aural analysis, technical skills, structural, and aesthetic features needed to produce quality songwriting.

Demonstrate the ability to analyze and critically evaluate a live musical performance.

Compare, contrast, and assess music industry professions.

History of Jazz

MUSC102:

3.0 Units

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) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

History of Rock 'n Roll

MUSC103:

3.0 Units

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) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

The Music Industry

MUSC104:

3.0 Units

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)

History of Women in Rock Music

MUSC107:

3.0 Units

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 influence the rock music industry and the impact of the industry's expectations for women in rock and how those expectations influenced their works. The time periods studied begin in the mid-forties and emphasize female musicians and performers through the early twenty-first century examining women's roles in the history of rock music. (UC, CSU, AVC) (GE: IGETC Area 3A, CSU Area C1, AVC Areas C, F)

History of Hip Hop

MUSC108:

3.0 Units

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) (GE: IGETC Area 3A, CSU Areas C1, C2, AVC Areas C, E, F)

The History of Motown Music

MUSC109:

3.0 Units

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. (CSU, AVC)

Commercial Music Theory

MUSC112:

3.0 Units

A foundation of music theory underlying commercial music. Samples of commercial music are used throughout the course as models for discussion and analysis. The course includes the study (written, aural, and performed) of bass and treble clefs, relationships of tonal centers, key signatures, construction and formulas for major, minor, and modal scales; basic rhythmic skills including syncopation; construction of intervals, triads, and seventh chords (and their inversions); and application of the circle of fifths. Special applications include writing form charts, lead sheets, chord charts and transpositions; and playing (at the piano) melodies and chords in all keys from written symbols commonly used amongst commercial musicians. (CSU, AVC)

Popular Song Writing

MUSC113:

3.0 Units

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)

Stage Voice

MUSC122:

1.0 Units

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#)

Jazz Improvisation A

MUSC124A:

1.0 Units

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)

Jazz Improvisation B

MUSC124B:

1.0 Units

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. Prerequisite: Completion of MUSC 124A. Continuation of modal patterns and jazz rhythms for improvisation. Melodic construction of an improvised solo. Playing II-V-I progressions in major and minor keys, I-vi-ii-V progressions and Rhythm changes. (C-ID: MUS 185) (CSU, AVC)

Jazz Improvisation C

MUSC124C:

1.0 Units

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. Prerequisite: Completion of MUSC 124B. Continuation of jazz improvisational pedagogy and techniques with an emphasis on performance practices of various styles. (C-ID: MUS 185) (CSU, AVC)

Studio Music Production I

MUSC133:

3.0 Units

A course designed to teach the making of recordings on a computer music workstation. Techniques will include MIDI sequencing, sampling, and hard disc recording. (CSU, UC, AVC)

Studio Music Production II

MUSC134:

3.0 Units

Prerequisite: MUSC 133 Continuation of MUSC 133. Designed to improve student knowledge and ability in the use of MIDI techniques, sampling, and studio recording production techniques. Level II of Studio Music Production will further the basics achieved in Level I, with more real-time, creative projects as students continue learning techniques of MIDI sequencing, sampling and hard disk recording. (CSU, UC, AVC)

Media Scoring

MUSC136:

3.0 Units

Advisory: Completion of MUSC 133 and MUSC 160B. 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)

Concert Management

MUSC141:

2.0 Units

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)

Musical Theatre Workshop

MUSC142:

1.0 Units

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) (GE: CSU Area C1) (R3)

Live Sound I

MUSC143A:

2.0 Units

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)

Live Sound II

MUSC143B:

2.0 Units

Prerequisite: MUSC 143A This course familiarizes students with different possibilities for digital 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 digital sound systems, stage layout, and performance techniques will also be presented. (CSU, AVC)

Marching Ensemble

MUSC170A:

1.0 Units

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 180) (CSU, AVC) (R3)

Beginning Jazz Ensemble

MUSC173:

1.0 Units

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) (GE: CSU Area C1) (R3)

Rock Band A

MUSC175A:

2.0 Units

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 rock 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, Rock 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. (CSU, AVC)

Rock Band B

MUSC175B:

2.0 Units

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.

Prerequisite: Completion of MUSC 175A. A course designed to rehearse and perform rock 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, Rock 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. (CSU, AVC)

Rock Band C

MUSC175C:

2.0 Units

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.

Prerequisite: Completion of MUSC 175B A course designed to rehearse and perform rock band repertoire, chosen by the instructor and changing every semester. Correct performance of notes and rhythms will be explained in each rehearsal. Each semester, Rock 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. (CSU, AVC)

Work Experience

MUSC199:

0.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Commercial Music Ensemble A

MUSC220A:

2.0 Units

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 (CSU, AVC) (C-ID: MUS 185) (GE: CSU Area C1)

Commercial Music Ensemble B

MUSC220B:

2.0 Units

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. Prerequisite: Completion of MUSC 220A. A performance class for singers and instrumentalists to present concerts of popular music repertoire (Test Flight). (CSU, AVC) (C-ID: MUS 185)

Commercial Music Ensemble C

MUSC220C:

2.0 Units

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. Prerequisite: Completion of MUSC 220B. A performance class for singers and instrumentalists to present concerts of popular music repertoire (Test Flight). (CSU, AVC) (C-ID: MUS 185)

Commercial Music Ensemble: Special Project

MUSC225:

0.5 Units

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.

Corequisite: MUSC 220A, MUSC 220B, or MUSC 220C

A performance class for singers and instrumentalists to participate in special projects related popular music repertoire, including but not limited to touring, recordings, and multiple-service performances. (CSU, AVC) (R3)

Studio Music Production III

MUSC233:

3.0 Units

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. (CSU, UC, AVC)

Intermediate Jazz Ensemble

MUSC273:

1.0 Units

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) (CSU, UC,AVC) (GE: CSU Area C1) (R3)

Advanced Jazz Ensemble

MUSC274:

1.0 Units

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. Prerequisite: Completion of MUSC 273. A course designed to rehearse and perform 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 advanced 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. Students should have at least a high school level performance experience in the course medium. (C-ID: MUS 180) (CSU, UC, AVC) (R3)

Nursing Science

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 **(20 units)**:

Course	Units
BIOL 201, General Human Anatomy	4
BIOL 202, General Human Physiology	4
BIOL 204, General Microbiology	5
ENGL 101, College Composition	3
MATH 115, Statistics	4
Total	20

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 MATH 115 and ENGL 101
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.

- Obtain the enrollment forms for the ADN program from the Nursing Department office or online.
- Submit one set of official high school transcripts (or GED results) and all college transcripts to the Nursing Department office with the enrollment form. College transcripts must reflect all grades completed at the time the packet is submitted to the Nursing Department. Transcripts, AP scores and GED results must be received in sealed, unopened envelopes. Another set of transcripts should be sent to the transcript office. It is the student's responsibility to contact the high school and college(s) attended for official transcripts. The student should contact educational institutions early in the enrollment process.

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 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.
- Submit a current Educational Planning and Evaluation Form that has been complete 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. Contact the Counseling Department for an appointment or schedule an appointment online.

- 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 who wish to enter in fall must file complete enrollment packets and successful ATI TEAS results during the time frame of January 2 - March 1 (or the first business day thereafter if March 1st falls on a weekend or holiday) and students who wish to enter in spring must file complete enrollment packets and successful ATI TEAS results during the time frame of July 1 - September 1 (or the first business day thereafter if September 1st falls on a weekend or holiday). Submission of an enrollment packet by the deadline does not guarantee admission for the next semester.

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. After prerequisites are verified, students will be given an appointment to take the Test of Essential Academic Skills (TEAS®), a nursing diagnostic assessment test. 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. The test is free. Students who attain a satisfactory score on the test (currently 62% or higher) will be considered for the next step in the enrollment process. Students who do not attain a satisfactory score on the test will have one year (365 days) from the date of the test to complete additional coursework. Upon successful completion of the coursework, students will be given permission to take the TEAS® a second and final time. Students who attain a satisfactory score on the second test will be considered for the next step of the selection process. Students will only be allowed to defer the TEAS® two times. Students who have been unsuccessful on the TEAS® at another college or university must complete a remediation plan before taking the TEAS® at AVC. The results of the ATI TEAS® must be on file with the Nursing Department office at AVC for consideration. A study manual for the TEAS® is available from the [Marauder Bookstore](#) operated by Barnes & Noble College or [Assessment](#)

Technologies Institute, LLC. 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 (20 units):

Course	Units
BIOL 201, General Human Anatomy	4
BIOL 202, General Human Physiology	4
BIOL 204, General Microbiology	5
ENGL 101, College Composition	3
MATH 115, Statistics	4
Total 20	

Required Nursing Courses (54 units):

Course Name	Credit Hours
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 101, Introduction to Public Speaking	3
HIST 107, U.S. History, 1607-1877 or HIST 108, U.S. History, from 1865	3
PHIL 110, Introduction to Logic	3
PSY 236, Developmental Psychology	3
SOC 101, Introduction to Sociology	3
AVC GE area C	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 Nursing Practice Act requires objective counseling and individual evaluation of each LVN who wants to enroll in a registered nursing program. Additional education required for the 30 unit option should not exceed 30 semester units. **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 units

Required Curriculum

Course Name	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 Name	Credit Hours
NS 103A, Medical Surgical Nursing I	5.5
NS 202A, Medical Surgical Nursing II	5.5
*PHIL 110, Introduction to Logic	3
*PSY 236, Developmental Psychology	3
*COMM 101, Introduction to Public Speaking	3

Total 20

Second Semester

Course Name	Credit Hours
NS 201A, Psychiatric-Mental Health Nursing	3
NS 204A, Medical Surgical Nursing III	5.5
NS 205A, Transition to Professional Nursing	1
*SOC 101, Introduction to Sociology	3
*HIST 107, U.S. History 1607-1877 or	3
*HIST 108, U.S. History from 1865	
GE requirement Area C	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, MATH 115, and ENGL 101 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 March 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, students will be given permission to take the Test of Essential Academic Skills (TEAS®), a nursing diagnostic assessment test. 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. The test is free. Students who attain a satisfactory score on the test will be given permission to register for the next RN class in which space is available. Students who do not attain a satisfactory score on the test will have one year (365 days) from the date of the test to complete additional required coursework. Upon successful completion of the mandatory coursework, students will be given permission to take the Test of Essential Academic Skills® a second and final time. Students who attain a satisfactory score on the second test will be given permission to register for the next RN class in which space is available.

Students will only be allowed to defer the TEAS® two times. Students who have been unsuccessful on the TEAS® at another college must complete a remediation plan before taking the TEAS® at AVC.

The results of the ATI TEAS® must be on file at Antelope Valley College. A study manual for the TEAS® is available from [Assessment Technologies Institute, LLC](#). 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 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.

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 (Total 0)

Complete the following number of hours: 0

NS101L - Skills Lab 101L 0

NS102L - Skills Lab 102L 0

NS130L - Skills Lab 130L 0

NS201L - Skills Lab 201L 0

NS202L - Skills Lab 202L 0

NS230L - Skills Lab 230L 0

NS240L - Skills Lab 240L 0

Recommended Pathway

	Hours
Term 1	
Nursing Skills Lab Certificate NS101L - Skills Lab 101L	0.0
Total Hours	0.0
Term 2	
Nursing Skills Lab Certificate NS102L - Skills Lab 102L	0.0
Nursing Skills Lab Certificate NS130L - Skills Lab 130L	0.0
Total Hours	0.0
Term 3	
Nursing Skills Lab Certificate NS201L - Skills Lab 201L	0.0
Nursing Skills Lab Certificate NS202L - Skills Lab 202L	0.0
Total Hours	0.0
Term 4	
Nursing Skills Lab Certificate NS230L - Skills Lab 230L	0.0
Nursing Skills Lab Certificate NS240L - Skills Lab 240L	0.0
Total Hours	0.0

Program Outcomes

NS101L

Practice nursing within the legal, ethical and regulatory framework of nursing and standards of professional nursing practices.

Uses the nursing process to safely care for patients; reports and documents appropriate patient information in a timely manner.

Uses critical thinking to provide the foundation for appropriate decision-making.

NS102L

Practice nursing within the legal, ethical and regulatory framework of nursing and standards of professional nursing practices.

Uses the nursing process to safely care for patients; reports and documents appropriate patient information in a timely manner.

Uses critical thinking to provide the foundation for appropriate decision-making.

NS103L

Practice nursing within the legal, ethical and regulatory framework of nursing and standards of professional nursing practices.

Uses the nursing process to safely care for patients; reports and documents appropriate patient information in a timely manner.

Uses critical thinking to provide the foundation for appropriate decision-making.

NS201L

Practice nursing within the legal, ethical and regulatory framework of nursing and standards of professional nursing practices.

Uses the nursing process to safely care for patients; reports and documents appropriate patient information in a timely manner.

Uses critical thinking to provide the foundation for appropriate decision-making.

NS202L

Practice nursing within the legal, ethical and regulatory framework of nursing and standards of professional nursing practices.

Uses the nursing process to safely care for patients; reports and documents appropriate patient information in a timely manner.

Uses critical thinking to provide the foundation for appropriate decision-making.

NS203L

Practice nursing within the legal, ethical and regulatory framework of nursing and standards of professional nursing practices.

Uses the nursing process to safely care for patients; reports and documents appropriate patient information in a timely manner.

Uses critical thinking to provide the foundation for appropriate decision-making.

NS204L

Practice nursing within the legal, ethical and regulatory framework of nursing and standards of professional nursing practices.

Uses the nursing process to safely care for patients; reports and documents appropriate patient information in a timely manner.

Uses critical thinking to provide the foundation for appropriate decision-making.

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 74)

Complete all of the following

Prerequisites (Total 20)

Complete all of the following

BIOL201 - General Human Anatomy 4

BIOL202 - General Human Physiology 4

BIOL204 - General Microbiology 5

ENGL101 - College Composition 3

MATH115 - Statistics 4

Required Nursing Courses (Total 36)

Complete all of the following

NS101A - Fundamentals of Nursing Science 8

NS102A - Maternal and Newborn Nursing 3.5

NS103A - Medical Surgical Nursing I 5.5

NS201A - Psychiatric-Mental Health Nrs 3

NS202A - Medical Surgical Nursing II 5.5

NS203A - Pediatric Nursing 4

NS204A - Medical Surgical Nursing III 5.5

NS205A - Transition to Prof Nursing 1

Required Courses (Total 18)

Complete all of the following

COMM101 - Introduction to Public Speaking 3

PHIL110 - Introduction to Logic 3

PSY236 - Developmental Psychology 3

SOC101 - Introduction to Sociology 3

AVC GE area C 3

Choose one (Total 3)

Complete the following number of credits: 3

HIST107 - U.S. History, 1607-1877 3

HIST108 - U.S. History from 1865 3

Recommended Pathway

Prerequisites

	Credits
Registered Nursing AS BIOL201 - General Human Anatomy	4.0

Registered Nursing AS BIOL202 - General Human Physiology	4.0
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Registered Nursing AS BIOL204 - General Microbiology	5.0
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Registered Nursing AS ENGL101 - College Composition	3.0
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Registered Nursing AS MATH115 - Statistics	4.0
Total Credits	20.0
First Semester	Credits
Registered Nursing AS NS101A - Fundamentals of Nursing Science	8.0
D2 - Language & Rationality - Communication and Analytical Thinking	3.0
COMM101 - Introduction to Public Speaking	
Registered Nursing AS PHIL110 - Introduction to Logic	3.0
Total Credits	14.0
Second Semester	Credits
Registered Nursing AS NS102A - Maternal and Newborn Nursing	3.5
Registered Nursing AS NS103A - Medical Surgical Nursing I	5.5
Registered Nursing AS PSY236 - Developmental Psychology	3.0
Total Credits	12.0
Third Semester	Credits
Registered Nursing AS NS201A - Psychiatric-Mental Health Nrs	3.0
Registered Nursing AS NS202A - Medical Surgical Nursing II	5.5
Registered Nursing AS SOC101 - Introduction to Sociology	3.0
Required Courses AVC GE area C	3.0
Total Credits	14.5
Fourth Semester	Credits
Registered Nursing AS NS203A - Pediatric Nursing	4.0
Registered Nursing AS NS204A - Medical Surgical Nursing III	5.5
Registered Nursing AS NS205A - Transition to Prof Nursing	1.0
Choose one Take one of the following:	
HIST107 - U.S. History, 1607-1877	3.0
HIST108 - U.S. History from 1865	3.0
Total Credits	13.5

Program Outcomes

AS Registered Nursing

Practice nursing within the legal, ethical and regulatory frameworks of nursing and standards of professional nursing practice.

Uses the nursing process to safely care for patients; reports and documents appropriate patient information in a timely manner.

Use critical thinking to provide the foundation for appropriate decision making.

Preparing for Success in Nursing

NS099:

2.0 Units

Preparing for Success in Nursing School is a completely online course designed to prepare students who plan to go into nursing to be successful. In this course, you will gain some very useful tips on preparing for your journey through the nursing program. We will cover a variety of study methods, ways to handle stress, critical thinking and how to use Canvas. As nursing focuses on specific types of dosage calculations and application of the nursing process, we will cover these topics in a fun and innovative way. Learn about free nursing help sites and how to join the professional organization for nursing students. Learn about tools that can help you pass the NCLEX (RN or VN) the first time around. (AVC)

Fundamentals of Nursing Science

NS101A:

8.0 Units

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 MATH 115 and ENGL 101 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)

Maternal and Newborn Nursing

NS102A:

3.5 Units

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's 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)

Medical Surgical Nursing I

NS103A:

5.5 Units

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)

Nursing Transition

NS200A:

3.0 Units

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 MATH 115 with a grade of "C" or better. Completion of ENGL 101 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)

Psychiatric Mental Health Nursing

NS201A:

3.0 Units

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)

Medical Surgical Nursing II

NS202A:

5.5 Units

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)

Pediatric Nursing

NS203A:

4.0 Units

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)

Medical Surgical Nursing III

NS204A:

5.5 Units

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)

Transition to Professional Nursing

NS205A:

1.0 Units

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)

Noncredit Nursing Courses

Skills Lab 101L

NS101L:

0.0 Units

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. (R1)

Skills Lab 102L

NS102L:

0.0 Units

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. (R1)

Skills Lab 130L

NS130L:

0.0 Units

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. (R1)

Skills Lab 201L

NS201L

0.0 Units

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. (R1)

Skills Lab 202L

NS202L:

0.0 Units

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. (R1)

Skills Lab 230L

NS230L:

0.0 Units

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. (R1)

Skills Lab 240L

NS240L:

0.0 Units

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. (R1)

Nutrition and Foods

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.

Nutrition

NF100:

3.0 Units

Advisory: Eligibility for 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) (GE: CSU Area E, AVC Area E)

Nutrition and Food for Children

NF102:

3.0 Units

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) (GE: AVC Area E)

Principles of Food Preparation

NF103:

3.0 Units

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) (GE: CSU Area E, AVC, Area E)

Sports Nutrition

NF110:

3.0 Units

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) (GE: AVC Area E)

Food and Culture

NF150:

3.0 Units

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) (GE: CSU Areas C2, E, AVC Area E)

Philosophy

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.

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 an Associate in Arts in Philosophy for Transfer (AA-T in Philosophy) degree a student must complete the following: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education---Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Attainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Program Requirements

Philosophy AA-T (Total 18)

Complete all of the following

Required Courses (Total 6)

Complete the following number of credits: 6

PHIL110 - Introduction to Logic 3

Pick One: (Total 3)

Complete the following number of credits: 3

PHIL105 - Ethics: Moral Issues in Contemporary Society 3

OR 0

PHIL106 - Introduction to Philosophy 3

Required Electives A (Total 3)

Complete the following number of credits: 3

OR Any REQUIRED CORE not already used. 0

PHIL201 - Critical Thinking 3

Required Electives B (Total 6)

Complete the following number of credits: 6

OR Any LIST A course not already used. 0

PHIL108 - Philosophy of Religion 3

HIST101 - Western Civilization, Ancient-1750 3

HIST102 - Western Civilization, 1750 - Present 3

Required Electives C (Total 3)

Complete the following number of credits: 3

OR Any LIST A or B course not already used. 0

PHIL109 - World Religions 3

ENGL230 - World Literature 1 3

ENGL231 - World Literature 2 3

Recommended Pathway

CSU GE RPS

Term 1	Credits
A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
A-2 Written Communication ENGL101 - College Composition	3.0
B-4 Mathematics/Quantitative Reasoning MATH115 - Statistics	4.0
E. Lifelong Learning and Self-Development HD101 - College and Life Management	3.0
C-2 Humanities PHIL106 - Introduction to Philosophy	3.0
Total Credits	16.0
Term 2	Credits
Required Electives B Take one of the following:	
OR Any LIST A course not already used.	0.0
PHIL108 - Philosophy of Religion	3.0
HIST101 - Western Civilization, Ancient-1750	3.0
HIST102 - Western Civilization, 1750 - Present	3.0
B-1 Physical Science ASTR101 - Astronomy	3.0
Required Courses PHIL110 - Introduction to Logic	3.0
B-3 Laboratory Activity ASTR101L - Astronomy Laboratory	1.0

Elective General Elective	3.0
Elective General Elective	1.0
Total Credits	11.0 - 14.0
Term 3	Credits
D. Social Sciences HIST101 - Western Civilization, Ancient-1750	3.0
A-3 Critical Thinking Take one of the following:	
COMM110 - Persuasion	3.0
COMM115 - Introduction to Argumentation and Debate	3.0
ENGL102 - Critical Thinking and Literature	3.0
ENGL103 - Critical Thinking and Research	3.0
PHIL101 - Fundamental Reasoning Skills	3.0
PHIL106 - Introduction to Philosophy	3.0
PHIL110 - Introduction to Logic	3.0
PHIL201 - Critical Thinking	3.0
Any CSU GE Area A-3	3.0
Elective General Elective	3.0
F. Ethnic Studies Ethnic Studies Course	3.0
C-2 Humanities PHIL108 - Philosophy of Religion	3.0
Total Credits	15.0
Term 4	Credits
Required Electives A PHIL201 - Critical Thinking	3.0
B-2 Life Science BIOL104 - Environmental Biology	3.0
Required Electives C Take one of the following:	
OR Any LIST A or B course not already used.	0.0
PHIL109 - World Religions	3.0
ENGL230 - World Literature 1	3.0
ENGL231 - World Literature 2	3.0
C-1 Arts (art, Dance, Music, Theatre) Any CSU GE Area C-1	3.0
D. Social Sciences POLS101 - American Political Institutions	3.0
Total Credits	12.0 - 15.0

Program Outcomes

AA-T Philosophy

Students will describe accurately, explain clearly, and evaluate fairly various classical and contemporary philosophical issues, concepts, and theories.

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.

Students are able to present well-reasoned and clear arguments to support their positions on philosophical issues or social controversies theoretically and factually.

Fundamental Reasoning Skills

PHIL101:

3.0 Units

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) (GE: CSU Area A3, AVC Area D2)

Ethics: Moral Issues in Contemporary Society

PHIL105:

3.0 Units

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) (GE: IGETC Area 3B, CSU Area C2, AVC Area C)

Introduction to Philosophy

PHIL106:

3.0 Units

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) (GE: IGETC Area 3B, CSU Areas A3, C2, AVC Areas C, D2)

Philosophy of Religion

PHIL108:

3.0 Units

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) (GE: IGETC Area 3B, CSU Area C2, AVC Area C)

World Religions

PHIL109:

3.0 Units

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) (GE: IGETC Area 3B, CSU Area C2, AVC Area C)

Introduction to Logic

PHIL110:

3.0 Units

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) (GE: CSU Area A3, AVC Area D2)

Critical Thinking

PHIL201:

3.0 Units

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) (GE: IGETC Area 1B, CSU A3, AVC Area D2)

Photography - Commercial

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

Commercial Photography Cert

The following courses, 30 units, are required for the certificate. 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)

Complete all of the following

- PHOT107 - History of Photography 3
- PHTC101 - Beginning Black and White Photography 3
- PHTC125 - Beginning Digital Photography 3
- PHTC150 - Beginning Color Photography 3
- PHTC200 - The Business Of Photography 3
- PHTC203 - Foundations of Cameras & Composition 3
- PHTC211 - Wedding, Portrait and Event Photography 3
- PHTC215 - Photography Studio Practices 3
- PHTC275 - Advanced Digital Photography 3

Program Electives (Total 3)

Complete the following number of credits: 3

- ART100 - Art Appreciation 3
- PHOT213 - Life Photography 3
- PHTC205 - Documentary and Photojournalism 3
- PHTC298 - Special Studies in Photography 3
- PHTC201 - Advanced Black and White Photography 3
- WE199 - Occupational Work Experience 1

Recommended Pathway

Commercial Photography Cert

First Semester	Credits
Required Courses PHOT107 - History of Photography	3.0
Required Courses PHTC101 - Beginning Black and White Photography	3.0

Total Credits 6.0

Second Semester Credits

Required Courses PHTC150 - Beginning Color Photography 3.0

Required Courses PHTC125 - Beginning Digital Photography 3.0

Total Credits 6.0

Third Semester Credits

Required Courses PHTC203 - Foundations of Cameras & Composition 3.0

Required Courses PHTC215 - Photography Studio Practices 3.0

Program Electives Take one of the following:

ART100 - Art Appreciation 3.0

PHOT213 - Life Photography 3.0

PHTC205 - Documentary and Photojournalism 3.0

PHTC298 - Special Studies in Photography 3.0

Total Credits 9.0

Fourth Semester Credits

Required Courses PHTC211 - Wedding, Portrait and Event Photography 3.0

Required Courses PHTC200 - The Business Of Photography 3.0

Required Courses PHTC275 - Advanced Digital Photography 3.0

Total Credits 9.0

Program Outcomes

Commercial Photography Cert

Students will explore advances in photographic equipment and technology (PHOT 107, SLO 3)

Students will demonstrate proficiency of fundamental aspects of Black and White photography (PHTC 101, SLO 1)

Students will design, manipulate and digitally generate photographs using industry standard software and equipment (PHTC 125, SLO 2)

Students will assess appropriate use of each type of camera in order to fit the environment for the best result (PHTC 203, SLO 2)

Identify various career possibilities and industry leaders in the photographic industry (PHTC 275, SLO3)

Commercial Photography AA

The requirements for an associate degree in Commercial Photography may be satisfied by completing the certificate program, plus 21 units of general education requirements, and sufficient elective credits to total 60 units. 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)

Complete all of the following

- PHOT107 - History of Photography 3
- PHTC101 - Beginning Black and White Photography 3
- PHTC125 - Beginning Digital Photography 3
- PHTC150 - Beginning Color Photography 3
- PHTC203 - Foundations of Cameras & Composition 3
- PHTC200 - The Business Of Photography 3
- PHTC211 - Wedding, Portrait and Event Photography 3
- PHTC215 - Photography Studio Practices 3
- PHTC275 - Advanced Digital Photography 3

Program Electives (Total 3)

Complete the following number of credits: 3

- ART100 - Art Appreciation 3
- PHTC201 - Advanced Black and White Photography 3
- PHTC205 - Documentary and Photojournalism 3
- PHOT213 - Life Photography 3
- PHTC298 - Special Studies in Photography 3
- WE199 - Occupational Work Experience 1

Recommended Pathway

Commercial Photography AA

First Semester

Required Courses PHTC101 - Beginning Black and White Photography 3.0

Required Courses PHOT107 - History of Photography 3.0

Area B - Social & Behavioral Sciences

Take one of the following:

- AJ201 - Police in Society 3.0
- AJ204 - Juvenile Procedures 3.0
- AJ206 - Criminology 3.0
- ANTH102 - Introduction to Cultural Anthropology 3.0
- ANTH103 - Archaeology and World Prehistory 3.0
- ANTH112 - Native North Americans 3.0

ANTH140 - Intro to Archaeology	4.0
BUS101 - Introduction to Business	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0
COMM217 - Gender and Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
ECON100 - Survey of Economics	3.0
ECON101 - Principles of Macroeconomics	3.0
ECON102 - Principles of Microeconomics	3.0
ECON110 - Economics of the Underclass	3.0
GEOG105 - Cultural Geography	3.0
GEOG106 - California Geography	3.0
GEOG110 - World Regional Geography	3.0
HIST101 - Western Civilization, Ancient-1750	3.0
HIST102 - Western Civilization, 1750 - Present	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0
HIST107 - U.S. History, 1607-1877	3.0
HIST108 - U.S. History from 1865	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
HIST114 - History of California	3.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
HIST118 - American West History, 1806-Present	3.0
HIST119 - History of Latin America and the Caribbean	3.0
POLS101 - American Political Institutions	3.0
POLS103 - Comparative Government	3.0
POLS200 - Introduction to Political Theory	3.0
POLS201 - Contemporary International Relations	3.0
POLS202 - Ethnic Politics in America	3.0
POLS203 - The Judicial Process	3.0
PSY101 - General Psychology	3.0
PSY201 - Introduction to Physiological Psychology	3.0
PSY212 - Human Sexuality	3.0
PSY230 - Social Psychology	3.0
PSY232 - Theories of Personality	3.0
PSY233 - Personal and Social Adjustment	3.0

PSY234 - Abnormal Psychology	3.0	MATH128 - College Algebra for Liberal Arts	3.0
PSY235 - Child Psychology	3.0	MATH135 - Plane Trigonometry	3.0
PSY236 - Developmental Psychology	3.0	MATH140 - Precalculus	4.0
SOC101 - Introduction to Sociology	3.0	MATH148 - Calculus for Business and Economics	4.0
SOC105 - The Mexican American in Contemporary Society	3.0	MATH150 - Calculus and Analytic Geometry	5.0
SOC110 - Ethnic Relations	3.0	MATH160 - Calculus and Analytic Geometry	4.0
SOC111 - Issues and Concepts in Aging	3.0	MATH220 - Linear Algebra	4.0
SOC112 - American Social Issues: Problems and Challenges	3.0	MATH230 - Introduction to Ordinary Differential Equations	4.0
SOC115 - Marriage and Family Life	3.0	MATH250 - Calculus and Analytic Geometry	4.0
SOC116 - Sociology of Gender and Sexuality	3.0	PHIL101 - Fundamental Reasoning Skills	3.0
SOC120 - Drugs, Society and Human Behavior	3.0	PHIL106 - Intro to Philosophy	3.0
Area D2 - Language & Rationality - Academic Composition Take one of the following:		PHIL110 - Introduction to Logic	3.0
BUS113 - Business Communications	3.0	PHIL201 - Critical Thinking	3.0
CA103 - Introduction to Computer and Digital Technology	3.0	Program Electives Take one of the following:	
CIS101 - Introduction to Computer Information Science	3.0	ART100 - Art Appreciation	3.0
CIS111 - Introduction to Programming & Algorithms	3.0	PHTC205 - Documentary and Photojournalism	3.0
CIS161 - Introduction to C Programming	3.0	PHOT213 - Life Photography	3.0
COMM101 - Introduction to Public Speaking	3.0	PHTC298 - Special Studies in Photography	3.0
COMM107 - Introduction to Interpersonal Communication	3.0	Total Credits	15.0 - 18.0
COMM109 - Small Group Communication	3.0	Second Semester Credits	
COMM112 - Oral Interpretation	3.0	Required Courses PHTC125 - Beginning Digital Photography	3.0
COMM114 - Art of Storytelling	3.0	Required Courses PHTC150 - Beginning Color Photography	3.0
COMM115 - Introduction to Argumentation and Debate	3.0	Area C - Humanities Take one of the following:	
COMM217 - Gender and Communication	3.0	ART100 - Art Appreciation	3.0
COMM219 - Introduction to Intercultural Communication	3.0	ART101 - History of Art, Prehistoric to Gothic	3.0
ENGL102 - Critical Thinking and Literature	3.0	ART102 - History of Art, Renaissance to Modern	3.0
ENGL103 - Critical Thinking and Research	3.0	ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
GEOG201 - Map Interpretation and GPS	4.0	ART104 - History of Modern and Contemporary Art in the 20th Century	3.0
GEOG205 - Introduction to Geographic Information Systems	3.0	ART106 - History of Art: Asia	3.0
MATH110 - Mathematics for Liberal Arts Students	3.0	ART110 - Drawing	3.0
MATH115 - Statistics	4.0	ART113 - Painting I	3.0
MATH116 - Introduction to Statistics Using R	4.0	ART120 - Introduction to Printmaking	3.0
MATH120 - Math for Teachers	3.0	ART132 - Introduction to Ceramics: Hand-Building	3.0
MATH124 - Finite Math	4.0	ART135 - Beginning Wheel-Thrown Ceramics	3.0
		ART136 - Intermediate Wheel-Thrown Ceramics	3.0
		ART137 - Advanced Wheel-Thrown Ceramics	3.0
		ART140 - Watercolor	3.0

ART145 - 2-D Design Basics	3.0	FTV101 - Introduction to Film	3.0
ART150 - 3-D Design Basics	3.0	FTV103 - Introduction to Television	3.0
ART163 - Painting II	3.0	FTV107 - History of Film, Pre 1950	3.0
ART170 - Drawing II	3.0	FTV108 - History of Film, 1950-Present	3.0
ART210 - Drawing III	3.0	FTV201 - Intercultural & Women's Film	3.0
ART213 - Painting III	3.0	FTV203 - African-American Cinema	3.0
CHIN101 - Elementary Chinese I	5.0	FTV241 - Beginning Audio Production	3.0
CHIN102 - Elementary Chinese 2	5.0	FTV251 - Contemporary American Independent Film	4.0
CHIN201 - Intermediate Chinese	5.0	FTV261 - Religion and Cinema	4.0
CHIN202 - Intermediate Chinese	5.0	GER101 - Elementary German 1	5.0
COMM112 - Oral Interpretation	3.0	GER102 - Elementary German 2	5.0
COMM114 - Art of Storytelling	3.0	GER201 - Intermediate German 1	4.0
DA101 - Dance Appreciation	3.0	GER202 - Intermediate German 2	4.0
DFST101 - American Sign Language I	4.0	HIST115 - Cultural History of Mexico	3.0
DFST102 - American Sign Language II	4.0	LATN101 - Elementary Latin 1	5.0
DFST105 - Introduction to American Deaf Culture	3.0	LATN201 - Intermediate Latin	5.0
DFST106 - Introduction to Deaf Education	3.0	LATN102 - Elementary Latin 2	5.0
DFST201 - American Sign Language III	4.0	MUS101 - Music Appreciation	3.0
DFST202 - American Sign Language IV	4.0	MUS105 - World Music	3.0
ENGL102 - Critical Thinking and Literature	3.0	MUS111 - Fundamentals of Music (Music Theory I)	3.0
ENGL111 - Creative Writing: Fiction	3.0	MUS131 - Piano I	2.0
ENGL112 - Creative Writing: Poetry	3.0	MUS132 - Piano II	2.0
ENGL221 - American Literature 1400-1865	3.0	MUS151 - Music Theory II	3.0
ENGL222 - American Literature 1865-Present	3.0	MUS153B - Musicianship II	2.0
ENGL225 - English Literature, 800-1750	3.0	MUS185 - Concert Choir	1.0
ENGL227 - English Literature, 1750-Present	3.0	MUS231 - Piano III	2.0
ENGL230 - World Literature 1	3.0	MUS251A - Music Theory III	3.0
ENGL231 - World Literature 2	3.0	MUS251B - Music Theory IV	3.0
ENGL235 - Shakespeare and Culture	3.0	MUS253A - Musicianship III	2.0
ENGL242 - Narrative and Culture	3.0	MUS253B - Musicianship IV	2.0
ENGL253 - African American Literature	3.0	MUSC102 - History of Jazz	3.0
ENGL256 - Latinx Literature	3.0	MUSC103 - History of Rock 'n Roll	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	MUSC107 - History of Women in Rock Music	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0	MUSC108 - History of Hip Hop	3.0
ENGL265 - Film: Text and Context	3.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0	PHIL106 - Intro to Philosophy	3.0
FREN101 - Elementary French 1	5.0	PHIL108 - Philosophy of Religion	3.0
FREN102 - Elementary French 2	5.0	PHIL109 - World Religions	3.0
FREN201 - Intermediate French 1	5.0	PHOT107 - History of Photography	3.0
FREN202 - Intermediate French 2	5.0	PHTC101 - Beginning Black and White Photography	3.0
FREN203 - Advanced French	3.0		

PHTC150 - Beginning Color Photography	3.0	ASTR101 - Astronomy	3.0
PHTC201 - Advanced Black and White Photography	3.0	ASTR101L - Astronomy Laboratory	1.0
SPAN101 - Elementary Spanish 1	5.0	BIOL100 - Elementary Human Anatomy and Physiology	3.0
SPAN102 - Elementary Spanish 2	5.0	BIOL101 - General Biology	3.0
SPAN110SS - Spanish for Heritage Speakers I	5.0	BIOL101L - General Biology Lab	1.0
SPAN201 - Intermediate Spanish 1	5.0	BIOL102 - Human Biology	4.0
SPAN202 - Intermediate Spanish 2	5.0	BIOL103 - Introduction to Botany	4.0
SPAN210SS - Spanish for Heritage Speakers II	5.0	BIOL104 - Environmental Biology	3.0
SPAN220SS - Composition and Conversation	5.0	BIOL110 - General Molecular Cell Biology	5.0
THA101 - Introduction to Theatre	3.0	BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
THA102 - Introduction to Stagecraft	3.0	BIOL201 - General Human Anatomy	4.0
THA103 - Introduction to Stage Lighting	3.0	BIOL202 - General Human Physiology	4.0
THA110 - Fundamentals of Acting	3.0	BIOL204 - General Microbiology	5.0
THA115A - Rehearsal and Performance: Drama	1.0	BIOL205 - Introduction to Biotechnology	3.0
THA116A - Rehearsal and Performance: Comedy	1.0	CHEM101 - Introductory Chemistry	5.0
THA116B - Rehearsal and Performance: Comedy	2.0	CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0
THA117A - Rehearsal and Performance: Musical Theatre	1.0	CHEM110 - General Chemistry	5.0
THA117B - Rehearsal and Performance: Musical Theatre	2.0	ELTE101 - Survey of Electronics	4.0
THA118A - Rehearsal and Performance: Children's Theatre	1.0	ERSC101 - Introduction to Earth Science	4.0
THA118B - Rehearsal and Performance: Children's Theatre	2.0	GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
THA121A - Theatre Production	1.0	GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
THA121B - Theatre Production	4.0	GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
THA130 - Improvisation	3.0	GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0
THA133 - Makeup for the Stage	3.0	GEOL101 - Physical Geology	3.0
THA225 - Script Analysis	3.0	GEOL101L - Physical Geology Lab	1.0
THA239 - Intercultural and Women's Theatre	3.0	GEOL102 - Historical Geology	3.0
Elective General Elective	3.0	GEOL102L - Historical Geology Laboratory	1.0
Elective General Elective	3.0	PHYS101 - Introductory Physics	4.0
Total Credits	13.0 - 17.0	PHYS102 - Introductory Physics	4.0
Third Semester	Credits	PHYS110 - General Physics	4.0
Required Courses PHTC275 - Advanced Digital Photography	3.0	PHYS120 - General Physics	4.0
Required Courses PHTC203 - Foundations of Cameras & Composition	3.0	PHYS211 - General Physics	5.0
Required Courses PHTC215 - Photography Studio Practices	3.0	PSCI101 - Physical Science	4.0
Area A -Natural Sciences Take one of the following:		Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition	3.0
ANTH101 - Introduction to Biological Anthropology	3.0	Total Credits	13.0 - 17.0
ANTH101L - Biological Anthropology Lab	1.0		

Fourth Semester	Credits		
Required Courses PHTC200 - The Business Of Photography	3.0	IATH220 - Intercollegiate Men's Basketball	1.0 - 3.0
Required Courses PHTC211 - Wedding, Portrait and Event Photography	3.0	IATH225 - Intercollegiate Women's Basketball	1.0 - 3.0
Elective General Elective	3.0	IATH265 - Intercollegiate Women's Tennis	1.0 - 3.0
Area E -Additional Breadth		IATH270 - Intercollegiate Men's Track and Field	1.0 - 3.0
Take one of the following:		IATH280 - Intercollegiate Men's Volleyball	1.0 - 3.0
Course utilized from AREA A, B, C, or D2	3.0	IATH285 - Intercollegiate Women's Volleyball	1.0 - 3.0
CFE102 - The Developing Child-Child Growth and Development	3.0	KINF115 - Beginning Fast-Pitch Softball	1.0
COMM107 - Introduction to Interpersonal Communication	3.0	KINF150 - Beginning Soccer	1.0
COMM219 - Introduction to Intercultural Communication	3.0	KINF151 - Intermediate Soccer	1.0
DA102 - Beg Ballet	1.0	KINF160 - Beginning Tennis	1.0
DA103 - Beginning Modern Dance	1.0	KINF161 - Intermediate Tennis	1.0
DA104 - Beg Jazz Dance	1.0	KINT100 - Introduction to Kinesiology	3.0
DA105 - Beg Tap Dance	1.0	KINF107 - Beginning Weight Lifting	1.0
DA106 - Ballroom Dance	1.0	LIB107 - Information Literacy	3.0
DA113 - World Dance-Ethnic Forms	1.0	LIB110 - Introduction to Internet Research	1.0
DA115 - Dance Repertory	1.0	MUSC108 - History of Hip Hop	3.0
DA116 - Dance Improvisation	1.0	NF100 - Nutrition	3.0
DA122 - Int Ballet	1.0	NF102 - Nutrition and Food for Children	3.0
DA123 - Int Modern Dance	1.0	NF103 - Principles of Food Preparation	3.0
DA124 - Int Jazz Dance	1.0	NF110 - Sports Nutrition	3.0
DA125 - Int Tap Dance	1.0	NF150 - Food and Culture	3.0
DA202 - Advanced Ballet	1.0	PSY212 - Human Sexuality	3.0
DA203 - Adv Modern Dance	1.0	SOC111 - Issues and Concepts in Aging	3.0
DA204 - Adv Jazz Dance	1.0	SOC116 - Sociology of Gender and Sexuality	3.0
DA205 - Advanced Tap Dance	1.0	Area F -Diversity Studies Take one of the following:	
DFST105 - Introduction to American Deaf Culture	3.0	ANTH102 - Introduction to Cultural Anthropology	3.0
HD100 - Basic Strategies For College Success	1.5	ANTH112 - Native North Americans	3.0
HD101 - College and Life Management	3.0	BUS212 - Women in Organizations	3.0
HD102 - Soldiers to Scholars	3.0	CFE116 - Diversity in Early Childhood Education	3.0
HD103 - Career Planning	1.5	COMM114 - Art of Storytelling	3.0
HD105 - Personal Development	3.0	COMM217 - Gender and Communication	3.0
HE101 - Health Education	3.0	COMM219 - Introduction to Intercultural Communication	3.0
HE120 - Stress Management	3.0	DFST105 - Introduction to American Deaf Culture	3.0
HE201 - Women's Health Issues	3.0	DFST106 - Introduction to Deaf Education	3.0
IATH101 - Weight Training for Athletes	0.5 - 2.0	ECON110 - Economics of the Underclass	3.0
IATH102 - Pre-Season Sport Conditioning	0.5 - 2.0	ENGL253 - African American Literature	3.0
IATH205 - Intercollegiate Football	1.0 - 3.0	ENGL256 - Latinx Literature	3.0
IATH215 - Intercollegiate Women's Softball	1.0 - 3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0

ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Total Credits	12.5 - 15.0

Program Outcomes

AA Commercial Photography

Students will explore advances in photographic equipment and technology (PHOT 107, SLO 3)

Students will demonstrate proficiency of fundamental aspects of Black and White photography (PHTC 101, SLO 1)

Students will design, manipulate and digitally generate photographs using industry standard software and equipment (PHTC 125, SLO 2)

Students will assess appropriate use of each type of camera in order to fit the environment for the best result (PHTC 203, SLO 2)

Identify various career possibilities and industry leaders in the photographic industry (PHTC 275, SLO3)

Photography Courses

History of Photography

PHOT107:

3.0 Units

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) (GE: IGETC Area 3B, CSU Areas C1, C2, AVC Area C)

Life Photography

PHOT213:

3.0 Units

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

Beginning Black and White Photography

PHTC101:

3.0 Units

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) (GE: CSU Area C1, AVC Area C)

Beginning Digital Photography

PHTC125:

3.0 Units

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)

Beginning Color Photography

PHTC150:

3.0 Units

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) (GE: CSU Area C1, AVC Area C)

The Business Of Photography

PHTC200:

3.0 Units

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)

Advanced Black & White Photography

PHTC201:

3.0 Units

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) (GE: CSU Area C1, AVC Area C)

Foundations of Cameras & Composition

PHTC203:

3.0 Units

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)

Documentary and Photojournalism

PHTC205:

3.0 Units

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)

Wedding, Portrait & Event Photography

PHTC211:

3.0 Units

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)

Photography Studio Practices

PHTC215:

3.0 Units

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)

Advanced Digital Photography

PHTC275:

3.0 Units

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)

Special Studies in Photography

PHTC298:

3.0 Units

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)

Physical Science and Physics

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.

Physics AS-T

The Associate in Science in Physics for Transfer (AS-T) 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. 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": 1. The CSU shall guarantee admission with junior status. 2. Admission to the CSU does not guarantee admission for specific majors or campuses. 3. The CSU shall grant a student priority admission to his or her local CSU campus and to a program or major that is similar to his or her community college major or area of emphasis, as determined by the CSU campus to which the student is admitted. While the degree is specifically designed for ease of transfer to a CSU, it should be noted that it does not exclude admittance to other colleges and universities. To earn an Associates in Science in Physics for Transfer (AS-T in Physics) degree a student must complete the following: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

Program Requirements

Physics AS-T (Total 26)

Complete the following number of credits: 26

PHYS110 - General Physics 4

PHYS120 - General Physics 4

PHYS211 - General Physics 5

MATH150 - Calculus and Analytic Geometry 5

MATH160 - Calculus and Analytic Geometry 4

MATH250 - Calculus and Analytic Geometry 4

Recommended Pathway

CSU GE

Term 1

	Credits
Physics AS-T MATH150 - Calculus and Analytic Geometry	5.0

A-2 Written Communication ENGL101 - College Composition	3.0
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E. Lifelong Learning and Self-Development **Take one of the following:**

CFE102 - The Developing Child	3.0
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COMM107 - Introduction to Interpersonal Communication	3.0
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DA108 - Dance Ensemble	3.0
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DA111 - Choreography	3.0
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HD101 - College and Life Management	3.0
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HD102 - Soldiers to Scholars	3.0
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HD105 - Personal Development	3.0
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HE101 - Health Education	3.0
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HE120 - Stress Management	3.0
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NF100 - Nutrition	3.0
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NF103 - Principles of Food Preparation	3.0
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NF150 - Food and Culture	3.0
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PSY212 - Human Sexuality	3.0
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PSY236 - Developmental Psychology	3.0
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SOC111 - Issues and Concepts in Aging	3.0
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SOC116 - Sociology of Gender and Sexuality	3.0
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SOC120 - Drugs, Society and Human Behavior	3.0
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Any CSU GE Area E	3.0
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D. Social Sciences Take one of the following:

AJ206 - Criminology	3.0
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ANTH102 - Introduction to Cultural Anthropology	3.0
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ANTH103 - Archaeology and World Prehistory	3.0
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ANTH110 - Latin American Cultures	3.0
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ANTH112 - Ethnic Studies: Native North Americans	3.0	POLS203 - The Judicial Process	3.0
ANTH140 - Introduction to Archaeology	4.0	PSY101 - General Psychology	3.0
BUS212 - Women in Organizations	3.0	PSY200 - Introduction to Research Methods in Psychology	3.0
CFE102 - The Developing Child	3.0	PSY201 - Introduction to Physiological Psychology	3.0
CFE103 - Child in Family&Community Rel	3.0	PSY212 - Human Sexuality	3.0
DFST105 - Introduction to American Deaf Culture	3.0	PSY230 - Social Psychology	3.0
DFST106 - Introduction to Deaf Education	3.0	PSY232 - Theories of Personality	3.0
DFST110 - Power, Privilege, and Oppression	3.0	PSY233 - Personal and Social Adjustment	3.0
ECON100 - Survey of Economics	3.0	PSY234 - Abnormal Psychology	3.0
ECON101 - Principles of Macroeconomics	3.0	PSY235 - Child Psychology	3.0
ECON102 - Principles of Microeconomics	3.0	PSY236 - Developmental Psychology	3.0
ECON110 - Economics of the Underclass	3.0	SOC101 - Introduction to Sociology	3.0
GEOG105 - Cultural Geography	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
GEOG106 - California Geography	3.0	SOC110 - Ethnic Relations	3.0
GEOG110 - World Regional Geography	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC115 - Modern Relationships and Family Life	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST107 - U.S. History, 1607-1877	3.0	SOC200 - Research Methods for the Social Sciences	3.0
HIST108 - U.S. History from 1865	3.0	Any CSU GE Area D	3.0
HIST110 - African-American History, 1450-1877	3.0	Total Credits	14.0 - 15.0
HIST111 - African-American History, 1877-Present	3.0	Term 2	Credits
HIST113 - Women in American History	3.0	Physics AS-T MATH160 - Calculus and Analytic Geometry	4.0
HIST114 - History of California	3.0	Physics AS-T PHYS110 - General Physics	4.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0	A-3 Critical Thinking Take one of the following:	
HIST118 - American West History, 1806-Present	3.0	COMM110 - Persuasion	3.0
HIST119 - History of Latin America and the Caribbean	3.0	COMM115 - Introduction to Argumentation and Debate	3.0
POLS101 - American Political Institutions	3.0	ENGL102 - Critical Thinking and Literature	3.0
POLS103 - Comparative Government	3.0	ENGL103 - Critical Thinking and Research	3.0
POLS200 - Introduction to Political Theory	3.0	PHIL101 - Fundamental Reasoning Skills	3.0
POLS201 - Contemporary International Relations	3.0	PHIL106 - Introduction to Philosophy	3.0
POLS202 - Ethnic Politics in America	3.0	PHIL110 - Introduction to Logic	3.0
		PHIL201 - Critical Thinking	3.0

Any CSU GE Area A-3	3.0	MUS153B - Musicianship II	2.0
C-1 Arts (Art, Dance, Music, Theatre)		MUS160 - Symphonic Band	1.0
Take one of the following:		MUS166 - Orchestra A	1.0
ART100 - Art Appreciation	3.0	MUS185 - Concert Choir	1.0
ART101 - History of Art, Prehistoric to Gothic	3.0	MUS231 - Piano III	2.0
ART102 - History of Art, Renaissance to Modern	3.0	MUS251A - Music Theory III	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0	MUS251B - Music Theory IV	3.0
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0	MUSC102 - History of Jazz	3.0
ART106 - History of Art: Asia	3.0	MUSC103 - History of Rock 'n Roll	3.0
ART113 - Painting I	3.0	MUSC107 - History of Women in Rock Music	3.0
ART132 - Introduction to Ceramics: Hand-Building	3.0	MUSC108 - History of Hip Hop	3.0
ART135 - Beginning Wheel-Thrown Ceramics	3.0	MUSC142 - Musical Theatre Workshop	1.0
ART137 - Advanced Wheel-Thrown Ceramics	3.0	MUSC173 - Beginning Jazz Ensemble	1.0
ART140 - Watercolor	3.0	MUSC220A - Commercial Music Ensemble A	2.0
ART145 - 2-D Design Basics	3.0	MUSC273 - Intermediate Jazz Ensemble	1.0
ART163 - Painting II	3.0	PHOT107 - History of Photography	3.0
ART170 - Drawing II	3.0	PHTC101 - Beginning Black and White Photography	3.0
ART213 - Painting III	3.0	PHTC150 - Beginning Color Photography	3.0
COMM112 - Oral Interpretation	3.0	PHTC201 - Advanced Black and White Photography	3.0
COMM114 - Art of Storytelling	3.0	THA101 - Introduction to Theatre	3.0
DA101 - Dance Appreciation	3.0	THA102 - Introduction to Stagecraft	3.0
FTV101 - Introduction to Film	3.0	THA110 - Fundamentals of Acting	3.0
FTV107 - History of Film, Pre 1950	3.0	THA130 - Improvisation	3.0
FTV108 - History of Film, 1950-Present	3.0	THA225 - Script Analysis	3.0
FTV201 - Intercultural & Women's Film	3.0	Any CSU GE Area C-1	3.0
FTV203 - African-American Cinema	3.0	Any CSU GE Area C-1 or C-2	3.0
FTV251 - Contemporary American Independent Film	4.0	Total Credits	12.0 - 15.0
HIST115 - Cultural History of Mexico	3.0	Term 3	Credits
MUS101 - Music Appreciation	3.0	Physics AS-T MATH250 - Calculus and Analytic Geometry	4.0
MUS105 - World Music	3.0	Physics AS-T PHYS120 - General Physics	4.0
MUS111 - Fundamentals of Music (Music Theory I)	3.0	A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
MUS121 - Voice Class	1.0	D. Social Sciences Take one of the following:	
MUS126 - Classical Guitar	1.0	AJ206 - Criminology	3.0
MUS131 - Piano I	2.0	ANTH102 - Introduction to Cultural Anthropology	3.0
MUS132 - Piano II	2.0	ANTH103 - Archaeology and World Prehistory	3.0
MUS151 - Music Theory II	3.0	ANTH110 - Latin American Cultures	3.0

ANTH112 - Ethnic Studies: Native North Americans	3.0	POLS203 - The Judicial Process	3.0
ANTH140 - Introduction to Archaeology	4.0	PSY101 - General Psychology	3.0
BUS212 - Women in Organizations	3.0	PSY200 - Introduction to Research Methods in Psychology	3.0
CFE102 - The Developing Child	3.0	PSY201 - Introduction to Physiological Psychology	3.0
CFE103 - Child in Family&Community Rel	3.0	PSY212 - Human Sexuality	3.0
DFST105 - Introduction to American Deaf Culture	3.0	PSY230 - Social Psychology	3.0
DFST106 - Introduction to Deaf Education	3.0	PSY232 - Theories of Personality	3.0
DFST110 - Power, Privilege, and Oppression	3.0	PSY233 - Personal and Social Adjustment	3.0
ECON100 - Survey of Economics	3.0	PSY234 - Abnormal Psychology	3.0
ECON101 - Principles of Macroeconomics	3.0	PSY235 - Child Psychology	3.0
ECON102 - Principles of Microeconomics	3.0	PSY236 - Developmental Psychology	3.0
ECON110 - Economics of the Underclass	3.0	SOC101 - Introduction to Sociology	3.0
GEOG105 - Cultural Geography	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
GEOG106 - California Geography	3.0	SOC110 - Ethnic Relations	3.0
GEOG110 - World Regional Geography	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC115 - Modern Relationships and Family Life	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST107 - U.S. History, 1607-1877	3.0	SOC200 - Research Methods for the Social Sciences	3.0
HIST108 - U.S. History from 1865	3.0	Any CSU GE Area D	3.0
HIST110 - African-American History, 1450-1877	3.0	C-2 Humanities (Literature, Philosophy, Foreign Languages) Take one of the following:	
HIST111 - African-American History, 1877-Present	3.0	CHIN101 - Elementary Chinese I	5.0
HIST113 - Women in American History	3.0	CHIN102 - Elementary Chinese 2	5.0
HIST114 - History of California	3.0	CHIN201 - Intermediate Chinese	5.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0	CHIN202 - Intermediate Chinese	5.0
HIST118 - American West History, 1806-Present	3.0	COMM112 - Oral Interpretation	3.0
HIST119 - History of Latin America and the Caribbean	3.0	COMM217 - Gender and Communication	3.0
POLS101 - American Political Institutions	3.0	COMM219 - Introduction to Intercultural Communication	3.0
POLS103 - Comparative Government	3.0	DFST101 - American Sign Language I	4.0
POLS200 - Introduction to Political Theory	3.0	DFST102 - American Sign Language II	4.0
POLS201 - Contemporary International Relations	3.0	DFST201 - American Sign Language III	4.0
POLS202 - Ethnic Politics in America	3.0	DFST202 - American Sign Language IV	4.0
		ENGL102 - Critical Thinking and Literature	3.0

ENGL111 - Creative Writing: Fiction	3.0	HIST111 - African-American History, 1877-Present	3.0
ENGL112 - Creative Writing: Poetry	3.0	HIST113 - Women in American History	3.0
ENGL221 - American Literature 1400-1865	3.0	HIST115 - Cultural History of Mexico	3.0
ENGL222 - American Literature 1865-Present	3.0	HIST118 - American West History, 1806-Present	3.0
ENGL225 - English Literature, 800-1750	3.0	HIST119 - History of Latin America and the Caribbean	3.0
ENGL227 - English Literature, 1750-Present	3.0	LATN101 - Elementary Latin 1	5.0
ENGL230 - World Literature 1	3.0	LATN102 - Elementary Latin 2	5.0
ENGL231 - World Literature 2	3.0	LATN201 - Intermediate Latin	5.0
ENGL235 - Shakespeare and Culture	3.0	MUSC108 - History of Hip Hop	3.0
ENGL242 - Narrative and Culture	3.0	NF150 - Food and Culture	3.0
ENGL253 - African American Literature	3.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
ENGL256 - Latinx Literature	3.0	PHIL106 - Introduction to Philosophy	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	PHIL108 - Philosophy of Religion	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0	PHIL109 - World Religions	3.0
ENGL265 - Film: Text and Context	3.0	PHOT107 - History of Photography	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0	SPAN101 - Elementary Spanish 1	5.0
FREN101 - Elementary French 1	5.0	SPAN102 - Elementary Spanish 2	5.0
FREN102 - Elementary French 2	5.0	SPAN110SS - Spanish for Heritage Speakers I	5.0
FREN201 - Intermediate French 1	5.0	SPAN201 - Intermediate Spanish 1	5.0
FREN202 - Intermediate French 2	5.0	SPAN202 - Intermediate Spanish 2	5.0
FREN203 - Advanced French	3.0	SPAN203 - Introduction to Hispanic Literature	3.0
FTV201 - Intercultural & Women's Film	3.0	SPAN210SS - Spanish for Heritage Speakers II	5.0
FTV203 - African-American Cinema	3.0	SPAN220SS - Composition and Conversation	5.0
FTV251 - Contemporary American Independent Film	4.0	THA239 - Intercultural and Women's Theatre	3.0
GER101 - Elementary German 1	5.0	Any CSU GE Area C-2	3.0
GER102 - Elementary German 2	5.0	Any CSU GE Area C-1 or C-2	3.0
GER201 - Intermediate German 1	4.0	Total Credits	17.0 - 20.0
GER202 - Intermediate German 2	4.0	Term 4	Credits
HIST101 - Western Civilization, Ancient-1750	3.0	Physics AS-T PHYS211 - General Physics	5.0
HIST102 - Western Civilization, 1750 - Present	3.0	B-2 Life Science Take one of the following:	
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	ANTH101 - Introduction to Biological Anthropology	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	BIOL101 - General Biology	3.0
HIST107 - U.S. History, 1607-1877	3.0	BIOL102 - Human Biology	4.0
HIST108 - U.S. History from 1865	3.0	BIOL103 - Introduction to Botany	4.0
HIST110 - African-American History, 1450-1877	3.0	BIOL104 - Environmental Biology	3.0
		BIOL110 - General Molecular Cell Biology	5.0

BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0	ENGL265 - Film: Text and Context	3.0
BIOL201 - General Human Anatomy	4.0	ENGL279 - Science Fiction and Dystopian Literature	3.0
BIOL202 - General Human Physiology	4.0	FREN101 - Elementary French 1	5.0
BIOL204 - General Microbiology	5.0	FREN102 - Elementary French 2	5.0
BIOL205 - Introduction to Biotechnology	3.0	FREN201 - Intermediate French 1	5.0
Any CSU GE Area B-2	3.0	FREN202 - Intermediate French 2	5.0
F. Ethnic Studies Take one of the following:		FREN203 - Advanced French	3.0
Ethnic Studies Course	3.0	FTV201 - Intercultural & Women's Film	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0	FTV203 - African-American Cinema	3.0
C-2 Humanities (Literature, Philosophy, Foreign Languages)		FTV251 - Contemporary American Independent Film	4.0
Take one of the following:		GER101 - Elementary German 1	5.0
CHIN101 - Elementary Chinese I	5.0	GER102 - Elementary German 2	5.0
CHIN102 - Elementary Chinese 2	5.0	GER201 - Intermediate German 1	4.0
CHIN201 - Intermediate Chinese	5.0	GER202 - Intermediate German 2	4.0
CHIN202 - Intermediate Chinese	5.0	HIST101 - Western Civilization, Ancient-1750	3.0
COMM112 - Oral Interpretation	3.0	HIST102 - Western Civilization, 1750 - Present	3.0
COMM217 - Gender and Communication	3.0	HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
COMM219 - Introduction to Intercultural Communication	3.0	HIST105 - Introduction to World Civilization, 1500 - Present	3.0
DFST101 - American Sign Language I	4.0	HIST107 - U.S. History, 1607-1877	3.0
DFST102 - American Sign Language II	4.0	HIST108 - U.S. History from 1865	3.0
DFST201 - American Sign Language III	4.0	HIST110 - African-American History, 1450-1877	3.0
DFST202 - American Sign Language IV	4.0	HIST111 - African-American History, 1877-Present	3.0
ENGL102 - Critical Thinking and Literature	3.0	HIST113 - Women in American History	3.0
ENGL111 - Creative Writing: Fiction	3.0	HIST115 - Cultural History of Mexico	3.0
ENGL112 - Creative Writing: Poetry	3.0	HIST118 - American West History, 1806-Present	3.0
ENGL221 - American Literature 1400-1865	3.0	HIST119 - History of Latin America and the Caribbean	3.0
ENGL222 - American Literature 1865-Present	3.0	LATN101 - Elementary Latin 1	5.0
ENGL225 - English Literature, 800-1750	3.0	LATN102 - Elementary Latin 2	5.0
ENGL227 - English Literature, 1750-Present	3.0	LATN201 - Intermediate Latin	5.0
ENGL230 - World Literature 1	3.0	MUSC108 - History of Hip Hop	3.0
ENGL231 - World Literature 2	3.0	NF150 - Food and Culture	3.0
ENGL235 - Shakespeare and Culture	3.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
ENGL242 - Narrative and Culture	3.0	PHIL106 - Introduction to Philosophy	3.0
ENGL253 - African American Literature	3.0		
ENGL256 - Latinx Literature	3.0		
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0		
ENGL259 - Gender, Image, and Rhetoric	3.0		

PHIL108 - Philosophy of Religion	3.0	HIST102 - Western Civilization, 1750 - Present	3.0
PHIL109 - World Religions	3.0	HIST101 - Western Civilization, Ancient-1750	3.0
PHOT107 - History of Photography	3.0	GEOG110 - World Regional Geography	3.0
SPAN101 - Elementary Spanish 1	5.0	GEOG105 - Cultural Geography	3.0
SPAN102 - Elementary Spanish 2	5.0	HIST108 - U.S. History from 1865	3.0
SPAN110SS - Spanish for Heritage Speakers I	5.0	HIST110 - African-American History, 1450-1877	3.0
SPAN201 - Intermediate Spanish 1	5.0	HIST111 - African-American History, 1877-Present	3.0
SPAN202 - Intermediate Spanish 2	5.0	HIST113 - Women in American History	3.0
SPAN203 - Introduction to Hispanic Literature	3.0	HIST114 - History of California	3.0
SPAN210SS - Spanish for Heritage Speakers II	5.0	HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
SPAN220SS - Composition and Conversation	5.0	HIST119 - History of Latin America and the Caribbean	3.0
THA239 - Intercultural and Women's Theatre	3.0	POLS101 - American Political Institutions	3.0
Any CSU GE Area C-2	3.0	POLS103 - Comparative Government	3.0
Any CSU GE Area C-1 or C-2	3.0	POLS200 - Introduction to Political Theory	3.0
Total Credits	14.0 - 18.0	POLS202 - Ethnic Politics in America	3.0
		POLS203 - The Judicial Process	3.0
IGETC		PSY101 - General Psychology	3.0
Term 1	Credits	PSY200 - Introduction to Research Methods in Psychology	3.0
Physics AS-T MATH150 - Calculus and Analytic Geometry	5.0	PSY201 - Introduction to Physiological Psychology	3.0
Area 1 Group A – English Composition		PSY212 - Human Sexuality	3.0
ENGL101 - College Composition	3.0	PSY230 - Social Psychology	3.0
Area 4 – Social and Behavioral Sciences		PSY232 - Theories of Personality	3.0
Take one of the following:		PSY233 - Personal and Social Adjustment	3.0
AJ206 - Criminology	3.0	PSY234 - Abnormal Psychology	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	PSY235 - Child Psychology	3.0
ANTH103 - Archaeology and World Prehistory	3.0	PSY236 - Developmental Psychology	3.0
ANTH112 - Ethnic Studies: Native North Americans	3.0	SOC101 - Introduction to Sociology	3.0
DFST106 - Introduction to Deaf Education	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
ECON100 - Survey of Economics	3.0	SOC110 - Ethnic Relations	3.0
ECON101 - Principles of Macroeconomics	3.0	SOC111 - Issues and Concepts in Aging	3.0
ECON102 - Principles of Microeconomics	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
ECON110 - Economics of the Underclass	3.0	SOC115 - Modern Relationships and Family Life	3.0
HIST107 - U.S. History, 1607-1877	3.0		
HIST105 - Introduction to World Civilization, 1500 - Present	3.0		
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0		

SOC116 - Sociology of Gender and Sexuality	3.0
Any IGETC GE Area 4	3.0
Area 6 – Language Other Than English (UC Requirement ONLY) Take one of the following:	
CHIN102 - Elementary Chinese 2	5.0
CHIN201 - Intermediate Chinese	5.0
CHIN202 - Intermediate Chinese	5.0
DFST102 - American Sign Language II	4.0
DFST201 - American Sign Language III	4.0
DFST202 - American Sign Language IV	4.0
FREN102 - Elementary French 2	5.0
FREN201 - Intermediate French 1	5.0
FREN202 - Intermediate French 2	5.0
FREN203 - Advanced French	3.0
GER102 - Elementary German 2	5.0
GER201 - Intermediate German 1	4.0
GER202 - Intermediate German 2	4.0
LATN102 - Elementary Latin 2	5.0
LATN201 - Intermediate Latin	5.0
SPAN102 - Elementary Spanish 2	5.0
SPAN110SS - Spanish for Heritage Speakers I	5.0
SPAN201 - Intermediate Spanish 1	5.0
SPAN202 - Intermediate Spanish 2	5.0
SPAN203 - Introduction to Hispanic Literature	3.0
SPAN210SS - Spanish for Heritage Speakers II	5.0
SPAN220SS - Composition and Conversation	5.0
Any IGETC GE Area 6	3.0 - 5.0
Total Credits	14.0 - 16.0
Term 2	Credits
Physics AS-T MATH160 - Calculus and Analytic Geometry	4.0
Physics AS-T PHYS110 - General Physics	4.0
Area 1 Group B – Critical Thinking - English Composition Take one of the following:	
ENGL102 - Critical Thinking and Literature	3.0
ENGL103 - Critical Thinking and Research	3.0
PHIL201 - Critical Thinking	3.0
Any IGETC GE Area 1 Group B	3.0

Area 3A – Arts Take one of the following:

ART100 - Art Appreciation	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0
ART102 - History of Art, Renaissance to Modern	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0
DA101 - Dance Appreciation	3.0
ENGL235 - Shakespeare and Culture	3.0
FTV101 - Introduction to Film	3.0
FTV107 - History of Film, Pre 1950	3.0
FTV108 - History of Film, 1950-Present	3.0
FTV203 - African-American Cinema	3.0
MUS101 - Music Appreciation	3.0
MUS105 - World Music	3.0
MUSC102 - History of Jazz	3.0
MUSC103 - History of Rock 'n Roll	3.0
MUSC107 - History of Women in Rock Music	3.0
THA101 - Introduction to Theatre	3.0
THA110 - Fundamentals of Acting	3.0
Any IGETC GE Area 3A	3.0
Any IGETC GE Area 3A or 3B	3.0
Total Credits	14.0

Term 3

Credits

Physics AS-T MATH250 - Calculus and Analytic Geometry	4.0
Physics AS-T PHYS120 - General Physics	4.0

**Area 1 Group C – Oral Communication
(CSU Only) Take one of the following:**

COMM101 - Introduction to Public Speaking	3.0
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**Area 4 – Social and Behavioral Sciences
Take one of the following:**

AJ206 - Criminology	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH103 - Archaeology and World Prehistory	3.0
ANTH112 - Ethnic Studies: Native North Americans	3.0

DFST106 - Introduction to Deaf Education	3.0	PSY236 - Developmental Psychology	3.0
ECON100 - Survey of Economics	3.0	SOC101 - Introduction to Sociology	3.0
ECON101 - Principles of Macroeconomics	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
ECON102 - Principles of Microeconomics	3.0	SOC110 - Ethnic Relations	3.0
ECON110 - Economics of the Underclass	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST107 - U.S. History, 1607-1877	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC115 - Modern Relationships and Family Life	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	Any IGETC GE Area 4	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	Area 3B – Humanities Take one of the following:	
GEOG110 - World Regional Geography	3.0	CHIN201 - Intermediate Chinese	5.0
GEOG105 - Cultural Geography	3.0	CHIN202 - Intermediate Chinese	5.0
HIST108 - U.S. History from 1865	3.0	ENGL221 - American Literature 1400-1865	3.0
HIST110 - African-American History, 1450-1877	3.0	ENGL222 - American Literature 1865-Present	3.0
HIST111 - African-American History, 1877-Present	3.0	ENGL225 - English Literature, 800-1750	3.0
HIST113 - Women in American History	3.0	ENGL227 - English Literature, 1750-Present	3.0
HIST114 - History of California	3.0	ENGL230 - World Literature 1	3.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0	ENGL231 - World Literature 2	3.0
HIST119 - History of Latin America and the Caribbean	3.0	ENGL235 - Shakespeare and Culture	3.0
POLS101 - American Political Institutions	3.0	ENGL242 - Narrative and Culture	3.0
POLS103 - Comparative Government	3.0	ENGL253 - African American Literature	3.0
POLS200 - Introduction to Political Theory	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
POLS202 - Ethnic Politics in America	3.0	ENGL256 - Latinx Literature	3.0
POLS203 - The Judicial Process	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
PSY101 - General Psychology	3.0	ENGL265 - Film: Text and Context	3.0
PSY200 - Introduction to Research Methods in Psychology	3.0	ENGL279 - Science Fiction and Dystopian Literature	3.0
PSY201 - Introduction to Physiological Psychology	3.0	FREN201 - Intermediate French 1	5.0
PSY212 - Human Sexuality	3.0	FREN202 - Intermediate French 2	5.0
PSY230 - Social Psychology	3.0	FREN203 - Advanced French	3.0
PSY232 - Theories of Personality	3.0	FTV201 - Intercultural & Women's Film	3.0
PSY233 - Personal and Social Adjustment	3.0	FTV203 - African-American Cinema	3.0
PSY234 - Abnormal Psychology	3.0	GER102 - Elementary German 2	5.0
PSY235 - Child Psychology	3.0	GER201 - Intermediate German 1	4.0
		GER202 - Intermediate German 2	4.0
		HIST115 - Cultural History of Mexico	3.0
		LATN201 - Intermediate Latin	5.0

PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0	BIOL110 - General Molecular Cell Biology	5.0
PHIL106 - Introduction to Philosophy	3.0	BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
PHIL108 - Philosophy of Religion	3.0	BIOL201 - General Human Anatomy	4.0
PHIL109 - World Religions	3.0	BIOL202 - General Human Physiology	4.0
PHOT107 - History of Photography	3.0	BIOL205 - Introduction to Biotechnology	3.0
SPAN110SS - Spanish for Heritage Speakers I	5.0	BIOL102 - Human Biology	4.0
SPAN201 - Intermediate Spanish 1	5.0	BIOL204 - General Microbiology	5.0
SPAN202 - Intermediate Spanish 2	5.0	Any IGETC GE Area 5B	3.0 - 5.0
SPAN203 - Introduction to Hispanic Literature	3.0	Area 4 – Social and Behavioral Sciences	
SPAN210SS - Spanish for Heritage Speakers II	5.0	Take one of the following:	
SPAN220SS - Composition and Conversation	5.0	AJ206 - Criminology	3.0
THA239 - Intercultural and Women's Theatre	3.0	ANTH102 - Introduction to Cultural Anthropology	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	ANTH103 - Archaeology and World Prehistory	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	ANTH112 - Ethnic Studies: Native North Americans	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	DFST106 - Introduction to Deaf Education	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	ECON100 - Survey of Economics	3.0
HIST107 - U.S. History, 1607-1877	3.0	ECON101 - Principles of Macroeconomics	3.0
HIST108 - U.S. History from 1865	3.0	ECON102 - Principles of Microeconomics	3.0
HIST110 - African-American History, 1450-1877	3.0	ECON110 - Economics of the Underclass	3.0
HIST111 - African-American History, 1877-Present	3.0	HIST107 - U.S. History, 1607-1877	3.0
HIST113 - Women in American History	3.0	HIST105 - Introduction to World Civilization, 1500 - Present	3.0
HIST115 - Cultural History of Mexico	3.0	HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
HIST119 - History of Latin America and the Caribbean	3.0	HIST102 - Western Civilization, 1750 - Present	3.0
Any IGETC GE Area 3B	3.0	HIST101 - Western Civilization, Ancient-1750	3.0
Any IGETC GE Area 3A or 3B	3.0	GEOG110 - World Regional Geography	3.0
Total Credits	17.0 - 19.0	GEOG105 - Cultural Geography	3.0
Term 4	Credits	HIST108 - U.S. History from 1865	3.0
Physics AS-T PHYS211 - General Physics	5.0	HIST110 - African-American History, 1450-1877	3.0
Area 5B – Biological Sciences		HIST111 - African-American History, 1877-Present	3.0
Take one of the following:		HIST113 - Women in American History	3.0
ANTH101 - Introduction to Biological Anthropology	3.0	HIST114 - History of California	3.0
BIOL101 - General Biology	3.0	HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0
BIOL101L - General Biology Lab	1.0		
BIOL103 - Introduction to Botany	4.0		
BIOL104 - Environmental Biology	3.0		

HIST119 - History of Latin America and the Caribbean	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
POLS101 - American Political Institutions	3.0	ENGL256 - Latinx Literature	3.0
POLS103 - Comparative Government	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
POLS200 - Introduction to Political Theory	3.0	ENGL265 - Film: Text and Context	3.0
POLS202 - Ethnic Politics in America	3.0	ENGL279 - Science Fiction and Dystopian Literature	3.0
POLS203 - The Judicial Process	3.0	FREN201 - Intermediate French 1	5.0
PSY101 - General Psychology	3.0	FREN202 - Intermediate French 2	5.0
PSY200 - Introduction to Research Methods in Psychology	3.0	FREN203 - Advanced French	3.0
PSY201 - Introduction to Physiological Psychology	3.0	FTV201 - Intercultural & Women's Film	3.0
PSY212 - Human Sexuality	3.0	FTV203 - African-American Cinema	3.0
PSY230 - Social Psychology	3.0	GER102 - Elementary German 2	5.0
PSY232 - Theories of Personality	3.0	GER201 - Intermediate German 1	4.0
PSY233 - Personal and Social Adjustment	3.0	GER202 - Intermediate German 2	4.0
PSY234 - Abnormal Psychology	3.0	HIST115 - Cultural History of Mexico	3.0
PSY235 - Child Psychology	3.0	LATN201 - Intermediate Latin	5.0
PSY236 - Developmental Psychology	3.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
SOC101 - Introduction to Sociology	3.0	PHIL106 - Introduction to Philosophy	3.0
SOC105 - The Mexican American in Contemporary Society	3.0	PHIL108 - Philosophy of Religion	3.0
SOC110 - Ethnic Relations	3.0	PHIL109 - World Religions	3.0
SOC111 - Issues and Concepts in Aging	3.0	PHOT107 - History of Photography	3.0
SOC112 - American Social Issues: Problems and Challenges	3.0	SPAN110SS - Spanish for Heritage Speakers I	5.0
SOC115 - Modern Relationships and Family Life	3.0	SPAN201 - Intermediate Spanish 1	5.0
SOC116 - Sociology of Gender and Sexuality	3.0	SPAN202 - Intermediate Spanish 2	5.0
Any IGETC GE Area 4	3.0	SPAN203 - Introduction to Hispanic Literature	3.0
Area 3B – Humanities Take one of the following:		SPAN210SS - Spanish for Heritage Speakers II	5.0
CHIN201 - Intermediate Chinese	5.0	SPAN220SS - Composition and Conversation	5.0
CHIN202 - Intermediate Chinese	5.0	THA239 - Intercultural and Women's Theatre	3.0
ENGL221 - American Literature 1400-1865	3.0	HIST101 - Western Civilization, Ancient-1750	3.0
ENGL222 - American Literature 1865-Present	3.0	HIST102 - Western Civilization, 1750 - Present	3.0
ENGL225 - English Literature, 800-1750	3.0	HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
ENGL227 - English Literature, 1750-Present	3.0	HIST105 - Introduction to World Civilization, 1500 - Present	3.0
ENGL230 - World Literature 1	3.0	HIST107 - U.S. History, 1607-1877	3.0
ENGL231 - World Literature 2	3.0	HIST108 - U.S. History from 1865	3.0
ENGL235 - Shakespeare and Culture	3.0		
ENGL242 - Narrative and Culture	3.0		
ENGL253 - African American Literature	3.0		

HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
HIST115 - Cultural History of Mexico	3.0
HIST119 - History of Latin America and the Caribbean	3.0
Any IGETC GE Area 3B	3.0
Any IGETC GE Area 3A or 3B	3.0
Total Credits	12.0 - 18.0

Program Outcomes

AS-T Physics

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)

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 cor

Students will use basic computational techniques for modeling physical systems including those that don't have analytical answers. (Computational-PLO)

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 appl

Students will communicate physics concepts, processes, and results effectively, both verbally and in writing. (Communication PLO)

Physical Science Courses

Physical Science

PSCI101:

4.0 Units

Advisory: Completion of ENGL 101 and Completion of Intermediate Algebra or higher 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) (GE: IGETC Areas 5A, 5C, CSU Areas B1, B3, AVC Area A)

Introduction to Quantitative Atmospheric Dynamics and Thermodynamics

PSCI302:

3.0 Units

Limitation on Enrollment: Must be selected as part of the AFMT BS Degree cohort 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 the cyclones, anticyclones, hurricanes, weather fronts, mesoscale disturbances, severe storms, tornadoes, sea and land breezes, atmospheric boundary layer and turbulence. Insight into these mechanism will be gained through the use of spread sheet based calculations by allowing relationships to be studied by plotting the data graphically and then explaining the meaning of those relationship 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. (AVC)

Physics Courses

Introductory Physics

PHYS101:

4.0 Units

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) (GE: IGETC Area 5A, 5C, CSU Area B1, B3, AVC Area A)

Introductory Physics

PHYS102:

4.0 Units

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) (GE: IGETC Areas 5A, 5C, CSU Areas B1, B3, AVC Area A)

General Physics

PHYS110:

4.0 Units

Advisory: Completion of PSCI 101. Eligibility of ENGL 101 or placement by multiple measures. Prerequisite: Completion of or concurrent enrollment in MATH 150. 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) (GE: IGETC Areas 5A, 5C, CSU Areas B1, B3, AVC Area A)

General Physics

PHYS120:

4.0 Units

Advisory: Eligibility for ENGL 101 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) (GE: IGETC Areas 5A, 5C, CSU Areas B1, B3, AVC Area A)

General Physics

PHYS211:

5.0 Units

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) (GE: IGETC Areas 5A, 5C, CSU Areas B1, B3, AVC Area A)

Political Sciences

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.

Law, Public Policy, and Society AA-T

The coursework required to earn an AD-T in Law, Public Policy, and Society has been identified as good preparation for law school upon completion of a bachelor's degree. This interdisciplinary area of emphasis emphasizes the development of communication skills, introduces students to the legal field, and prepares students for further study in a variety of majors. Students who opt to pursue this course of study are encouraged to engage in further exploration of one or more specific majors as they select electives for degree completion. Transfer & Career Opportunities This Associate in Arts in Law, Public Policy, and Society for Transfer (AD-T) Degree is intended to meet the lower division requirements for similar majors for all CSU campuses. Students planning to transfer to institutions other than the CSU are encouraged to consult ASSIST.org and an AVC counselor for program planning and course selection. Most common career opportunities with a baccalaureate degree include: law school, legal aid worker, social worker, and community advocate. The Associate in Arts in Law, Public Policy, and Society for Transfer (AD-T) Degree 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 will receive priority admission with junior status to the California State University system. The Associate in Arts in Law, Public Policy, and Society for Transfer (AD-T) Degree 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 Law, Public Policy, and Society for Transfer (AD-T) Degree a student must complete the following: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California

State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is an acceptable grade for courses in the major.

Program Requirements

Law, Public Policy, and Society (Total 31)

Complete all of the following

Required Core (Total 25)

Complete all of the following

ENGL101 - College Composition 3

PHIL105 - Ethics: Moral Issues in Contemporary Society 3

POLS101 - American Political Institutions 3

Required Core (Total 3)

Complete the following number of credits: 3

POLS203 - The Judicial Process 3

BUS201 - Business Law 3

AJ102 - Criminal Law 3

Required Core (Total 3)

Complete the following number of credits: 3

COMM101 - Introduction to Public Speaking 3

COMM109 - Small Group Communication 3

COMM115 - Introduction to Argumentation & Debate 3

Required Core (Total 3)

Complete the following number of credits: 3

COMM110 - Persuasion 3

COMM115 - Introduction to Argumentation & Debate 3

ENGL103 - Critical Thinking and Research 3

PHIL110 - Introduction to Logic 3

Required Core (Total 4)

Complete the following number of credits: 4

MATH115 - Statistics 4

MATH116 - Introduction to Statistics Using R 4

Required Core (Total 3)

Complete the following number of credits: 3

HIST107 - U.S. History, 1607-1877 3

HIST108 - U.S. History from 1865 3

Electives List A (Total 6)

Complete the following number of credits: 6

Select two courses (6 units) from two of the areas listed below: (NOTE: courses must not have been used above.)

Area 1: Administrative of Justice/Criminal Justice/Criminology (Total 3 - 18)

Complete at least one of the following rules

AJ101 - Introduction to Administration of Justice 3

AJ102 - Criminal Law 3

AJ103 - Criminal Evidence 3

AJ201 - Police in Society 3	ART113 - Painting I	3.0
AJ204 - Juvenile Procedures 3	ART132 - Introduction to Ceramics: Hand-Building	3.0
AJ206 - Criminology 3	ART135 - Beginning Wheel-Thrown Ceramics	3.0
Area 2: Business (Total 3)	ART137 - Advanced Wheel-Thrown Ceramics	3.0
Complete at least one of the following rules	ART140 - Watercolor	3.0
BUS201 - Business Law 3	ART145 - 2-D Design Basics	3.0
Area 3: Economics (Total 0)	ART163 - Painting II	3.0
Complete the following number of rules: 0	ART170 - Drawing II	3.0
ECON101 - Principles of Macroeconomics 3	ART213 - Painting III	3.0
ECON102 - Principles of Microeconomics 3	COMM112 - Oral Interpretation	3.0
Area: 4 Political Science (Total 0)	COMM114 - Art of Storytelling	3.0
Complete the following number of rules: 0	DA101 - Dance Appreciation	3.0
POLS103 - Comparative Government 3	FTV101 - Introduction to Film	3.0
POLS200 - Introduction to Political Theory 3	FTV107 - History of Film, Pre 1950	3.0
POLS201 - Contemporary International Relations 3	FTV108 - History of Film, 1950-Present	3.0
Area 5: Public Policy (Total 0)	FTV201 - Intercultural & Women's Film	3.0
Complete the following number of rules: 0	FTV203 - African-American Cinema	3.0
SOC112 - American Social Issues: Problems and Challenges 3	FTV251 - Contemporary American Independent Film	4.0
Area 6: Diversity (Total 0)	HIST115 - Cultural History of Mexico	3.0
Complete the following number of rules: 0	MUS101 - Music Appreciation	3.0
ANTH102 - Introduction to Cultural Anthropology 3	MUS105 - World Music	3.0
COMM219 - Introduction to Intercultural Communication 3	MUS111 - Fundamentals of Music (Music Theory I)	3.0
GEOG105 - Cultural Geography 3	MUS121 - Voice Class	1.0
SOC110 - Ethnic Relations 3	MUS126 - Classical Guitar	1.0
SOC116 - Sociology of Gender and Sexuality 3	MUS131 - Piano I	2.0
Area 7: College Success (Total 0)	MUS132 - Piano II	2.0
Complete the following number of rules: 0	MUS151 - Music Theory II	3.0
HD101 - College and Life Management 3	MUS153B - Musicianship II	2.0
HD102 - Soldiers to Scholars 3	MUS160 - Symphonic Band	1.0
Area 8: Internship/Fieldwork (Total 0)	MUS166 - Orchestra A	1.0
Complete the following number of rules: 0	MUS185 - Concert Choir	1.0
POLS199 - Occupational Work Experience 1 - 4	MUS231 - Piano III	2.0
	MUS251A - Music Theory III	3.0
	MUS251B - Music Theory IV	3.0
	MUSC102 - History of Jazz	3.0
	MUSC103 - History of Rock 'n Roll	3.0
	MUSC107 - History of Women in Rock Music	3.0
	MUSC108 - History of Hip Hop	3.0
Recommended Pathway		
Law, Public Policy, and Society		
Semester 1	Credits	
Required Core PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0	
C-1 Arts (art, Dance, Music, Theatre)		
Take one of the following:		
ART100 - Art Appreciation	3.0	
ART101 - History of Art, Prehistoric to Gothic	3.0	
ART102 - History of Art, Renaissance to Modern	3.0	
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0	
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0	
ART106 - History of Art: Asia	3.0	

MUSC142 - Musical Theatre Workshop	1.0	AJ102 - Criminal Law	3.0
MUSC173 - Beginning Jazz Ensemble	1.0	Required Core MATH115 - Statistics	4.0
MUSC220A - Commercial Music Ensemble A	2.0	Required Core Take one of the following:	
MUSC273 - Intermediate Jazz Ensemble	1.0	HIST107 - U.S. History, 1607-1877	3.0
PHOT107 - History of Photography	3.0	HIST108 - U.S. History from 1865	3.0
PHTC101 - Beginning Black and White Photography	3.0	Required Core Take one of the following:	
PHTC150 - Beginning Color Photography	3.0	COMM110 - Persuasion	3.0
PHTC201 - Advanced Black and White Photography	3.0	COMM115 - Introduction to Argumentation and Debate	3.0
THA101 - Introduction to Theatre	3.0	ENGL103 - Critical Thinking and Research	3.0
THA102 - Introduction to Stagecraft	3.0	PHIL110 - Introduction to Logic	3.0
THA110 - Fundamentals of Acting	3.0	Elective Take one of the following:	
THA130 - Improvisation	3.0	General Elective	1.0
THA225 - Script Analysis	3.0	General Elective	2.0
Any CSU GE Area C-1	3.0	General Elective	3.0
Any CSU GE Area C-1 or C-2	3.0	BUS101 - Introduction to Business	3.0
E. Lifelong Learning and Self-Development		KINF130 - Physical Conditioning	1.0
Take one of the following:		ART101 - History of Art, Prehistoric to Gothic	3.0
CFE102 - The Developing Child	3.0	HE101 - Health Education	3.0
COMM107 - Introduction to Interpersonal Communication	3.0	HIST101 - Western Civilization, Ancient-1750	3.0
DA108 - Dance Ensemble	3.0	MUS101 - Music Appreciation	3.0
DA111 - Choreography	3.0	PHOT107 - History of Photography	3.0
HD101 - College and Life Management	3.0	DA101 - Dance Appreciation	3.0
HD102 - Soldiers to Scholars	3.0	FTV101 - Introduction to Film	3.0
HD105 - Personal Development	3.0	PSY101 - General Psychology	3.0
HE101 - Health Education	3.0	Total Credits	14.0 - 16.0
HE120 - Stress Management	3.0	Semester 3	Credits
NF100 - Nutrition	3.0	Required Core Take one of the following:	
NF103 - Principles of Food Preparation	3.0	COMM101 - Introduction to Public Speaking	3.0
NF150 - Food and Culture	3.0	COMM109 - Small Group Communication	3.0
PSY212 - Human Sexuality	3.0	COMM115 - Introduction to Argumentation and Debate	3.0
PSY236 - Developmental Psychology	3.0	Electives List A Take one of the following:	
SOC111 - Issues and Concepts in Aging	3.0	Select two courses (6 units) from two of the areas listed below: (NOTE: courses must not have been used above.)	0.0
SOC116 - Sociology of Gender and Sexuality	3.0	D. Social Sciences Take one of the following:	
SOC120 - Drugs, Society and Human Behavior	3.0	AJ206 - Criminology	3.0
Any CSU GE Area E	3.0	ANTH102 - Introduction to Cultural Anthropology	3.0
Total Credits	7.0 - 10.0		
Semester 2	Credits		
Required Core Take one of the following:			
POLS203 - The Judicial Process	3.0		
BUS201 - Business Law	3.0		

ANTH103 - Archaeology and World Prehistory	3.0	POLS103 - Comparative Government	3.0
ANTH110 - Latin American Cultures	3.0	POLS200 - Introduction to Political Theory	3.0
ANTH112 - Ethnic Studies: Native North Americans	3.0	POLS201 - Contemporary International Relations	3.0
ANTH140 - Introduction to Archaeology	4.0	POLS202 - Ethnic Politics in America	3.0
BUS212 - Women in Organizations	3.0	POLS203 - The Judicial Process	3.0
CFE102 - The Developing Child	3.0	PSY101 - General Psychology	3.0
CFE103 - Child in Family&Community Rel	3.0	PSY200 - Introduction to Research Methods in Psychology	3.0
DFST105 - Introduction to American Deaf Culture	3.0	PSY201 - Introduction to Physiological Psychology	3.0
DFST106 - Introduction to Deaf Education	3.0	PSY212 - Human Sexuality	3.0
DFST110 - Power, Privilege, and Oppression	3.0	PSY230 - Social Psychology	3.0
ECON100 - Survey of Economics	3.0	PSY232 - Theories of Personality	3.0
ECON101 - Principles of Macroeconomics	3.0	PSY233 - Personal and Social Adjustment	3.0
ECON102 - Principles of Microeconomics	3.0	PSY234 - Abnormal Psychology	3.0
ECON110 - Economics of the Underclass	3.0	PSY235 - Child Psychology	3.0
GEOG105 - Cultural Geography	3.0	PSY236 - Developmental Psychology	3.0
GEOG106 - California Geography	3.0	SOC101 - Introduction to Sociology	3.0
GEOG110 - World Regional Geography	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
HIST101 - Western Civilization, Ancient-1750	3.0	SOC110 - Ethnic Relations	3.0
HIST102 - Western Civilization, 1750 - Present	3.0	SOC111 - Issues and Concepts in Aging	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0	SOC115 - Modern Relationships and Family Life	3.0
HIST107 - U.S. History, 1607-1877	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
HIST108 - U.S. History from 1865	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
HIST110 - African-American History, 1450-1877	3.0	SOC200 - Research Methods for the Social Sciences	3.0
HIST111 - African-American History, 1877-Present	3.0	Any CSU GE Area D	3.0
HIST113 - Women in American History	3.0	F. Ethnic Studies Take one of the following:	
HIST114 - History of California	3.0	Ethnic Studies Course	3.0
HIST116 - Contemporary U.S. History: From Vietnam to Iraq	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
HIST118 - American West History, 1806-Present	3.0	B-1 Physical Science Take one of the following:	
HIST119 - History of Latin America and the Caribbean	3.0	ASTR101 - Astronomy	3.0
POLS101 - American Political Institutions	3.0	CHEM101 - Introductory Chemistry	5.0
		CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0
		CHEM110 - General Chemistry	5.0

CHEM120 - General Chemistry	5.0	KINF130 - Physical Conditioning	1.0
CHEM210 - Organic Chemistry	4.0	ART101 - History of Art, Prehistoric to Gothic	3.0
CHEM220 - Organic Chemistry	4.0	HE101 - Health Education	3.0
ERSC101 - Introduction to Earth Science	4.0	HIST101 - Western Civilization, Ancient-1750	3.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0	MUS101 - Music Appreciation	3.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0	PHOT107 - History of Photography	3.0
GEOL101 - Physical Geology	3.0	DA101 - Dance Appreciation	3.0
GEOL102 - Historical Geology	3.0	FTV101 - Introduction to Film	3.0
PHYS101 - Introductory Physics	4.0	PSY101 - General Psychology	3.0
PHYS102 - Introductory Physics	4.0	Elective Take one of the following:	
PHYS110 - General Physics	4.0	General Elective	1.0
PHYS120 - General Physics	4.0	General Elective	2.0
PHYS211 - General Physics	5.0	General Elective	3.0
PSCI101 - Physical Science	4.0	BUS101 - Introduction to Business	3.0
Any CSU GE Area B-1	3.0	KINF130 - Physical Conditioning	1.0
Total Credits	12.0 - 15.0	ART101 - History of Art, Prehistoric to Gothic	3.0
Semester 4	Credits	HE101 - Health Education	3.0
Electives List A Take one of the following:		HIST101 - Western Civilization, Ancient-1750	3.0
Select two courses (6 units) from two of the areas listed below: (NOTE: courses must not have been used above.)		MUS101 - Music Appreciation	3.0
B-2 Life Science Take one of the following:		PHOT107 - History of Photography	3.0
ANTH101 - Introduction to Biological Anthropology	3.0	DA101 - Dance Appreciation	3.0
BIOL101 - General Biology	3.0	FTV101 - Introduction to Film	3.0
BIOL102 - Human Biology	4.0	PSY101 - General Psychology	3.0
BIOL103 - Introduction to Botany	4.0	Elective Take one of the following:	
BIOL104 - Environmental Biology	3.0	General Elective	1.0
BIOL110 - General Molecular Cell Biology	5.0	General Elective	2.0
BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0	General Elective	3.0
BIOL201 - General Human Anatomy	4.0	BUS101 - Introduction to Business	3.0
BIOL202 - General Human Physiology	4.0	KINF130 - Physical Conditioning	1.0
BIOL204 - General Microbiology	5.0	ART101 - History of Art, Prehistoric to Gothic	3.0
BIOL205 - Introduction to Biotechnology	3.0	HE101 - Health Education	3.0
Any CSU GE Area B-2	3.0	HIST101 - Western Civilization, Ancient-1750	3.0
Elective Take one of the following:		MUS101 - Music Appreciation	3.0
General Elective	1.0	PHOT107 - History of Photography	3.0
General Elective	2.0	DA101 - Dance Appreciation	3.0
General Elective	3.0	FTV101 - Introduction to Film	3.0
BUS101 - Introduction to Business	3.0	PSY101 - General Psychology	3.0
		Total Credits	6.0 - 14.0

Program Outcomes

Law, Public Policy, and Society

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.

Students will have an understanding of law, public policy, and ethics in contemporary society, including an introduction to the legal field.

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.

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

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. A political science major generally transfers to a baccalaureate institution to complete a B.A. Degree. Political science graduates with B.A. Degrees are qualified for a variety of positions in government and non-governmental institutions; graduates are prepared to enter graduate studies in various disciplines, including political

science, law, journalism and business. Teaching at the community college level is an option providing that an M.A. and/or a Ph.D. Degree is obtained. Possession of the Ph.D. could lead to research and teaching at the university level. 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: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Program Requirements

Political Science AA-T (Total 18)

Complete all of the following

Required Courses (Total 9)

Complete the following number of credits: 9

POLS101 - American Political Institutions 3

POLS200 - Introduction to Political Theory 3

POLS103 - Comparative Government 3

POLS201 - Contemporary International Relations 3

Required Electives A (Total 6)

Complete the following number of credits: 6

Any course not selected from core 0

MATH116 - Introduction to Statistics Using R 4

OR 0

MATH115 - Statistics 4

Required Electives B (Total 3)

Complete the following number of credits: 3

Select 3 units from LIST B or any of the courses from LIST A not already used. 0

ANTH102 - Introduction to Cultural Anthropology 3

ECON101 - Principles of Macroeconomics 3

ECON102 - Principles of Microeconomics 3

POLS202 - Ethnic Politics in America 3

POLS203 - The Judicial Process 3

SOC110 - Ethnic Relations 3

SOC112 - American Social Issues: Problems and Challenges 3

Recommended Pathway**Political Science AA-T**

Term 1	Credits
Required Courses POLS101 - American Political Institutions	3.0
D. Social Sciences Take one of the following:	
HIST107 - U.S. History, 1607-1877	3.0
HIST108 - U.S. History from 1865	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
C-1 Arts (art, Dance, Music, Theatre) Take one of the following:	
ART100 - Art Appreciation	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0
ART102 - History of Art, Renaissance to Modern	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0
ART106 - History of Art: Asia	3.0
ART113 - Painting I	3.0
ART132 - Introduction to Ceramics: Hand-Building	3.0
ART135 - Beginning Wheel-Thrown Ceramics	3.0
ART137 - Advanced Wheel-Thrown Ceramics	3.0
ART140 - Watercolor	3.0
ART145 - 2-D Design Basics	3.0
ART213 - Painting III	3.0
COMM112 - Oral Interpretation	3.0
COMM114 - Art of Storytelling	3.0
DA101 - Dance Appreciation	3.0
FTV101 - Introduction to Film	3.0
FTV107 - History of Film, Pre 1950	3.0
FTV108 - History of Film, 1950-Present	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HIST115 - Cultural History of Mexico	3.0
MUS101 - Music Appreciation	3.0

MUS105 - World Music	3.0
MUS111 - Fundamentals of Music (Music Theory I)	3.0
MUS151 - Music Theory II	3.0
MUS251A - Music Theory III	3.0
MUS251B - Music Theory IV	3.0
MUSC102 - History of Jazz	3.0
MUSC103 - History of Rock 'n Roll	3.0
MUSC107 - History of Women in Rock Music	3.0
PHOT107 - History of Photography	3.0
PHTC101 - Beginning Black and White Photography	3.0
PHTC150 - Beginning Color Photography	3.0
PHTC201 - Advanced Black and White Photography	3.0
THA101 - Introduction to Theatre	3.0
THA102 - Introduction to Stagecraft	3.0
THA110 - Fundamentals of Acting	3.0
THA130 - Improvisation	3.0
THA225 - Script Analysis	3.0
B-4 Mathematics/Quantitative Reasoning	
MATH115 - Statistics	4.0
Total Credits	16.0

Term 2	Credits
Required Electives B Take one of the following:	
ANTH102 - Introduction to Cultural Anthropology	3.0
ECON101 - Principles of Macroeconomics	3.0
ECON102 - Principles of Microeconomics	3.0
POLS202 - Ethnic Politics in America	3.0
POLS203 - The Judicial Process	3.0
SOC110 - Ethnic Relations	3.0
SOC112 - American Social Issues: Problems and Challenges	3.0
A-2 Written Communication Take one of the following:	
ENGL101 - College Composition	3.0
B-1 Physical Science Take one of the following:	
ASTR101 - Astronomy	3.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0

GEOL101 - Physical Geology	3.0	SOC112 - American Social Issues: Problems and Challenges	3.0
GEOL102 - Historical Geology	3.0		
B-3 Laboratory Activity Take one of the following:		Required Courses Take one of the following:	
ANTH101L - Biological Anthropology Lab	1.0	POLS101 - American Political Institutions	3.0
ASTR101L - Astronomy Laboratory	1.0	POLS200 - Introduction to Political Theory	3.0
BIOL101L - General Biology Lab	1.0	POLS103 - Comparative Government	3.0
GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0	POLS201 - Contemporary International Relations	3.0
GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0	Total Credits	15.0
GEOL101L - Physical Geology Lab	1.0	Term 4	Credits
GEOL102L - Historical Geology Laboratory	1.0	E. Lifelong Learning and Self-Development	
Any CSU GE Area B-3	1.0	Take one of the following:	
Required Electives A Take one of the following:		CFE102 - The Developing Child	3.0
Any course not selected from core	0.0	COMM107 - Introduction to Interpersonal Communication	3.0
MATH116 - Introduction to Statistics Using R	4.0	DA108 - Dance Ensemble	3.0
OR	0.0	DA111 - Choreography	3.0
MATH115 - Statistics	4.0	HD101 - College and Life Management	3.0
C-1 Arts (art, Dance, Music, Theatre) Any CSU GE Area C-1	3.0	HD102 - Soldiers to Scholars	3.0
Total Credits	13.0 - 17.0	HD105 - Personal Development	3.0
Term 3	Credits	HE101 - Health Education	3.0
A-3 Critical Thinking Take one of the following:		HE120 - Stress Management	3.0
COMM110 - Persuasion	3.0	NF100 - Nutrition	3.0
COMM115 - Introduction to Argumentation and Debate	3.0	NF103 - Principles of Food Preparation	3.0
ENGL102 - Critical Thinking and Literature	3.0	NF150 - Food and Culture	3.0
ENGL103 - Critical Thinking and Research	3.0	PSY212 - Human Sexuality	3.0
PHIL101 - Fundamental Reasoning Skills	3.0	PSY236 - Developmental Psychology	3.0
PHIL106 - Introduction to Philosophy	3.0	SOC111 - Issues and Concepts in Aging	3.0
PHIL110 - Introduction to Logic	3.0	SOC116 - Sociology of Gender and Sexuality	3.0
PHIL201 - Critical Thinking	3.0	SOC120 - Drugs, Society and Human Behavior	3.0
Any CSU GE Area A-3	3.0	Any CSU GE Area E	3.0
B-2 Life Science ANTH101 - Introduction to Biological Anthropology	3.0	F. Ethnic Studies Ethnic Studies Course	3.0
C-2 Humanities Any CSU GE Area C-2	3.0	Elective Take one of the following:	
Required Electives B Take one of the following:		BUS101 - Introduction to Business	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0	ART101 - History of Art, Prehistoric to Gothic	3.0
ECON101 - Principles of Macroeconomics	3.0	HE101 - Health Education	3.0
ECON102 - Principles of Microeconomics	3.0	HIST101 - Western Civilization, Ancient-1750	3.0
POLS202 - Ethnic Politics in America	3.0	MUS101 - Music Appreciation	3.0
POLS203 - The Judicial Process	3.0	PHOT107 - History of Photography	3.0
SOC110 - Ethnic Relations	3.0	DA101 - Dance Appreciation	3.0
		FTV101 - Introduction to Film	3.0
		Elective General Elective	3.0
		Total Credits	12.0

Program Outcomes

AA-T Political Science

Students will demonstrate an awareness of the methods of inquiry used by professional political scientists.

Students will be able to critically analyze and synthesize the works of political scientists in the various subfields of the discipline.

Students will develop an understanding of the political science major and the career options in the field.

American Political Institutions

POLS101:

3.0 Units

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. (C-ID: POLS 110) (UC, CSU, AVC) (GE: IGETC Area 4, CSU Area D, AVC Area B)

Comparative Government

POLS103:

3.0 Units

Advisory: Completion of POLS 101. 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) (GE: IGETC Area 4H, CSU Area D8, AVC Area B)

International Organizations

POLS120:

4.0 Units

Prerequisite: Completion of or concurrent enrollment in POLS 101. Advisory: Completion of POLS 103 and COMM 101, and Eligibility for College Level Reading and ENGL 101/ENGL 101SL. The course will examine the development and impact of international organizations. Particular emphasis will be placed upon an understanding of the United Nations. The concept of diplomacy will be examined through lecture and simulation. Students will prepare for participation in Model United Nations (MUN) conferences. Each semester, students will represent different countries, such as Poland, Qatar, Algeria, Brazil and Vietnam, as well as various Non-Governmental Organizations, such as the International Committee of the Red Cross and Doctors Without Borders, at various MUN conferences. Students are required to attend and participate in MUN conferences. Furthermore, students will examine current issues of debate within the United Nations and other international organizations which will vary from semester to semester. Subsequent enrollment will provide students an opportunity for additional skill and competency development within the subject matter. Students will be required to participate in a minimum of 18 hours of supervised on or off-campus Model United Nations Conferences. (CSU, AVC)

Occupational Work Experience

POLS199:

1.0 - 8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Introduction to Political Theory

POLS200:

3.0 Units

Advisory: Completion of POLS 101. 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) (GE: IGETC Area 4, CSU Area D, AVC Area B)

Contemp Intntl Relations

POLS201:

3.0 Units

Advisory: Completion of 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) (CSU, UC, AVC)

Ethnic Politics in America

POLS202:

3.0 Units

Prerequisite: Completion of POLS 101. 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) (GE: IGETC Area 4, CSU Areas D3,D8, AVC Area B, F)

The Judicial Process

POLS203:

3.0 Units

Prerequisite: 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) (GE: IGETC Area 4H, CSU Area D8, AVC Area B)

Psychology

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.

Alcohol and Other Drug Studies (AODS)

The California Department of Health and Human Services requires that counselors who are employed in agencies providing alcohol and drug services must be certified to do so by having passed an approved state examination, or that they are enrolled as students in an accredited program such as Palomar College which prepares students for those exams. CAADE, California Association of Alcohol/ Drug Educators, and CCAPP, California Consortium of Addiction Programs and Professionals are both professional organizations that offer a state board certification examination. If you have a bachelor's degree in a related field, you could be eligible for a waiver/equivalency and only be required to take 15 units (must include field experience courses.) The exact information about your specific 15 units will be done directly through the certification board, CAADE. To be eligible for the California Consortium of Addiction Programs and Professionals written (computer) exam, CCAPP/IC&RC requirements include the completion of AODS courses: 150, 155, 160, (Supervised Practicum 140 or 298), 250,255, 260, and the Supervised Practicum AODS 299. Students must also complete Psych 101 or Soc 101. Students must complete 255 hours of internship work at an approved agency. To be eligible for the Certified Addictions Treatment Counselor (C.A.T.C.), CAADE requires that students must complete the courses listed below and additional requirements to obtain the Certificate of Achievement in AODS. The AODS Certificate consists of an 11-course curriculum accredited by CAADE in 2004 and CCAPP in 2015 after their extensive review. Antelope Valley College's AODS courses prepare students to provide services in court-mandated, public, and private agencies for alcohol and drug intervention, treatment, and prevention. Students are prepared 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. State certification requires you to have a high school diploma or equivalent.

Program Requirements

Alcohol and Other Drug Studies (AODS) (Total 42)

Complete all of the following

Program Requirements (Total 39)

Complete the following number of credits: 39

PSY101 - General Psychology 3

PSY102 - Introduction to Alcohol and Other Drug Studies 3

PSY103 - The Physiology and Pharmacology of Psychoactive Drugs 3

PSY104 - Prevention, Intervention, and Education 3

PSY105 - Group Leadership and Process 3

PSY106 - Case Management, Law and Ethics 3

PSY107 - Chemical Dependency Family Counseling 3

PSY108 - Introduction to Psychological and Social Services 4

PSY109 - Directed Field Experience I 5

PSY110 - Directed Field Experience II 6

PSY234 - Abnormal Psychology 3

Program Electives (Total 3)

Complete the following number of credits: 3

SOC101 - Introduction to Sociology 3

SOC112 - American Social Issues: Problems and Challenges 3

Recommended Pathway

Term 1	Credits
Program Requirements PSY101 - General Psychology	3.0
Program Requirements PSY102 - Introduction to Alcohol and Other Drug Studies	3.0
Program Requirements PSY104 - Prevention, Intervention, and Education	3.0
Total Credits	9.0
Term 2	Credits
Program Requirements PSY103 - The Physiology and Pharmacology of Psychoactive Drugs	3.0
Program Requirements PSY106 - Case Management, Law and Ethics	3.0
Program Electives SOC101 - Introduction to Sociology	3.0
Total Credits	9.0
Term 3	Credits
Program Requirements PSY105 - Group Leadership and Process	3.0
Program Requirements PSY108 - Introduction to Psychological and Social Services	4.0

Program Requirements PSY234 - Abnormal Psychology	3.0
Total Credits	10.0
Term 4	Credits
Program Requirements PSY107 - Chemical Dependency Family Counseling	3.0
Program Requirements PSY109 - Directed Field Experience I	5.0
Total Credits	8.0
Term 5	Credits
Program Requirements PSY110 - Directed Field Experience II	6.0
Total Credits	6.0

Program Outcomes

Program Learning Outcomes

Students will demonstrate ethical decision-making abilities

Students will define the role of an addiction counselor

Students will analyze and discuss issues faced by addiction counselors

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

- PSY101 - General Psychology 3
- PSY106 - Case Management, Law and Ethics 3
- PSY108 - Introduction to Psychological and Social Services 4
- PSY109 - Directed Field Experience I 5
- PSY110 - Directed Field Experience II 6
- SOC101 - Introduction to Sociology 3

- DFST105 - Introduction to American Deaf Culture 3
- MATH115 - Statistics 4
- ECON101 - Principles of Macroeconomics 3
- Program Electives (Total 6)**
- Complete the following number of credits: 6**
- AJ101 - Introduction to Administration of Justice 3
- CFE102 - The Developing Child-Child Growth and Development 3
- PSY234 - Abnormal Psychology 3
- SOC110 - Ethnic Relations 3
- PSY104 - Prevention, Intervention, and Education 3
- SOC111 - Issues and Concepts in Aging 3
- CFE103 - The Child in Family and Community Relationship 3
- PSY102 - Introduction to Alcohol and Other Drug Studies 3
- ENGL103 - Critical Thinking and Research 3
- HIST107 - U.S. History, 1607-1877 3
- HIST108 - U.S. History from 1865 3

Recommended Pathway

Term 1	Credits
Required Courses PSY101 - General Psychology	3.0
Required Courses ECON101 - Principles of Macroeconomics	3.0
Area D1 - Language & Rationality - Academic Composition ENGL101 - College Composition	3.0
Required Courses PSY106 - Case Management, Law and Ethics	3.0
Required Courses SOC101 - Introduction to Sociology	3.0
Total Credits	15.0
Term 2	Credits
Required Courses PSY108 - Introduction to Psychological and Social Services	4.0
Required Courses MATH115 - Statistics	4.0
Area D2 - Language & Rationality - Academic Composition COMM101 - Introduction to Public Speaking	3.0
Area B - Social & Behavioral Sciences PSY232 - Theories of Personality	3.0
Total Credits	14.0
Term 3	Credits
Area E -Additional Breadth CFE102 - The Developing Child-Child Growth and Development	3.0
Required Courses PSY109 - Directed Field Experience I	5.0

Area C - Humanities COMM112 - Oral Interpretation	3.0
Required Courses DFST105 - Introduction to American Deaf Culture	3.0
Elective General Elective	1.0
Total Credits	15.0
Term 4	Credits
Required Courses PSY110 - Directed Field Experience II	6.0
Area F -Diversity Studies Take one of the following:	
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH112 - Native North Americans	3.0
BUS212 - Women in Organizations	3.0
CFE116 - Diversity in Early Childhood Education	3.0
COMM114 - Art of Storytelling	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
DFST106 - Introduction to Deaf Education	3.0
ECON110 - Economics of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0

Area A - Natural Sciences BIOL101 - General Biology	3.0
Program Electives Take one of the following:	
AJ101 - Introduction to Administration of Justice	3.0
CFE102 - The Developing Child-Child Growth and Development	3.0
PSY234 - Abnormal Psychology	3.0
SOC110 - Ethnic Relations	3.0
PSY104 - Prevention, Intervention, and Education	3.0
SOC111 - Issues and Concepts in Aging	3.0
CFE103 - The Child in Family and Community Relationship	3.0
PSY102 - Introduction to Alcohol and Other Drug Studies	3.0
ENGL103 - Critical Thinking and Research	3.0
HIST107 - U.S. History, 1607-1877	3.0
HIST108 - U.S. History from 1865	3.0
Area A - Natural Sciences BIOL101L - General Biology Lab	1.0
Total Credits	16.0

Program Outcomes

Program Learning Outcomes

Students will demonstrate ethical decision-making abilities

Students will define issues faced by human services professionals

Students will analyze diversity, culture, power, and equity regarding typical services provided by human services professionals.

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: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education---Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis.

Program Requirements

Psychology AA-T (Total 19)

Complete all of the following

Required Courses (Total 10)

Complete the following number of credits: 10

PSY101 - General Psychology 3

PSY200 - Introduction to Research Methods in Psychology 3

Math 115 or Math 116 (Total 4)

Complete the following number of credits: 4

MATH115 - Statistics 4

MATH116 - Introduction to Statistics Using R 4

Required Electives List A (Total 3)

Complete the following number of credits: 3

PSY201 - Introduction to Physiological Psychology 3

Required Electives List B (Total 3)

Complete the following number of credits: 3

OR Any LIST A course not already used. 0

PSY236 - Developmental Psychology 3

PSY244 - Introduction to Counseling 3

Required Electives List C (Total 3)

Complete the following number of credits: 3

OR Any LIST A or B course not already used. 0

PSY212 - Human Sexuality 3

PSY230 - Social Psychology 3

PSY232 - Theories of Personality 3

PSY233 - Personal and Social Adjustment 3

PSY234 - Abnormal Psychology 3

PSY235 - Child Psychology 3

Recommended Pathway

IGETC

Term 1

Credits

Required Courses MATH115 - Statistics 4.0

Area 1 Group A – English Composition ENGL101 - College Composition 3.0

Area 3A – Arts Take one of the following:
 ART100 - Art Appreciation 3.0
 ART101 - History of Art, Prehistoric to Gothic 3.0

ART102 - History of Art, Renaissance to Modern	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0
ART106 - History of Art: Asia	3.0
DA101 - Dance Appreciation	3.0
ENGL235 - Shakespeare and Culture	3.0
FTV101 - Introduction to Film	3.0
FTV107 - History of Film, Pre 1950	3.0
FTV108 - History of Film, 1950-Present	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
MUS101 - Music Appreciation	3.0
MUS105 - World Music	3.0
MUSC102 - History of Jazz	3.0
MUSC103 - History of Rock 'n Roll	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
THA101 - Introduction to Theatre	3.0
THA110 - Fundamentals of Acting	3.0
THA225 - Script Analysis	3.0
Any IGETC GE Area 3A	3.0
Any IGETC GE Area 3A or 3B	3.0
Area 4 – Social and Behavioral Sciences	
POLS101 - American Political Institutions	3.0
Elective General Elective	3.0
Total Credits	16.0

Term 2

Credits

Required Courses PSY101 - General Psychology 3.0

Area 1 Group C – Oral Communication (CSU Only) COMM101 - Introduction to Public Speaking 3.0

Area 1 Group B – Critical Thinking - English Composition

Take one of the following:

ENGL102 - Critical Thinking and Literature	3.0
ENGL103 - Critical Thinking and Research	3.0
PHIL201 - Critical Thinking	3.0

Area 5B – Biological Sciences BIOL103 - Introduction to Botany 4.0

Area 3B – Humanities HIST115 - Cultural History of Mexico 3.0

Total Credits 16.0

Term 3

Credits

Required Courses PSY200 - Introduction to Research Methods in Psychology	3.0
Required Electives List B PSY236 - Developmental Psychology	3.0
Area 5A – Physical Sciences ASTR101 - Astronomy	3.0
Elective General Elective	2.0
Elective General Elective	3.0
Total Credits	14.0
Term 4	Credits
Required Electives List A PSY201 - Introduction to Physiological Psychology	3.0
Required Electives List C PSY212 - Human Sexuality	3.0
Area 3A – Arts Take one of the following:	
ART100 - Art Appreciation	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0
ART102 - History of Art, Renaissance to Modern	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0
ART106 - History of Art: Asia	3.0
DA101 - Dance Appreciation	3.0
ENGL235 - Shakespeare and Culture	3.0
FTV101 - Introduction to Film	3.0
FTV107 - History of Film, Pre 1950	3.0
FTV108 - History of Film, 1950-Present	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
MUS101 - Music Appreciation	3.0
MUS105 - World Music	3.0
MUSC102 - History of Jazz	3.0
MUSC103 - History of Rock 'n Roll	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
THA101 - Introduction to Theatre	3.0
THA110 - Fundamentals of Acting	3.0
THA225 - Script Analysis	3.0
Any IGETC GE Area 3A	3.0
Any IGETC GE Area 3A or 3B	3.0
Area 6 – Language Other Than English (UC Requirement ONLY) SPAN102 - Elementary Spanish 2	5.0
Total Credits	14.0

CSU plan of study

Term 1	Credits
B-4 Mathematics/Quantitative Reasoning	
MATH115 - Statistics	4.0
A-2 Written Communication ENGL101 - College Composition	3.0
C-1 Arts (art, Dance, Music, Theatre) Any CSU GE Area C-1	3.0
D. Social Sciences POLS101 - American Political Institutions	3.0
E. Lifelong Learning and Self-Development HD101 - College and Life Management	3.0
Total Credits	16.0
Term 2	Credits
Required Courses PSY101 - General Psychology	3.0
A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
A-3 Critical Thinking Take one of the following:	
COMM110 - Persuasion	3.0
COMM115 - Introduction to Argumentation and Debate	3.0
ENGL102 - Critical Thinking and Literature	3.0
ENGL103 - Critical Thinking and Research	3.0
PHIL101 - Fundamental Reasoning Skills	3.0
PHIL106 - Introduction to Philosophy	3.0
PHIL110 - Introduction to Logic	3.0
PHIL201 - Critical Thinking	3.0
Any CSU GE Area A-3	3.0
C-2 Humanities Any CSU GE Area C-2	3.0
B-2 Life Science BIOL102 - Human Biology	4.0
Total Credits	16.0
Term 3	Credits
Required Courses PSY200 - Introduction to Research Methods in Psychology	3.0
Required Electives List B PSY236 - Developmental Psychology	3.0
B-1 Physical Science GEOL101 - Physical Geology	3.0
Elective General Elective	3.0
Elective General Elective	3.0
Total Credits	15.0
Term 4	Credits
Required Electives List A PSY201 - Introduction to Physiological Psychology	3.0
Required Electives List C PSY212 - Human Sexuality	3.0

F. Ethnic Studies Take one of the following:

Ethnic Studies Course	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
C-1 Arts (art, Dance, Music, Theatre) Any	3.0
CSU GE Area C-1	
Elective General Elective	1.0
Total Credits	13.0

Program Outcomes

AA-T Psychology

Write an APA style research paper that reviews, synthesizes, and critiques psychological findings.

Critically evaluate the design, methodology, findings, and generalizability of research reports.

Evaluate the major theoretical perspectives, history, and research methodology commonly used in the field of psychology

General Psychology

PSY101:

3.0 Units

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. (C-ID: PSY 110) (UC, CSU, AVC) (GE: IGETC Area 4I, CSU Area D9, AVC Area B)

Introduction to Alcohol and Other Drug Studies

PSY102:

3.0 Units

Advisory: Completion of or concurrent enrollment in PSY 101 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. (CSU, AVC)

The Physiology and Pharmacology of Psychoactive Drugs

PSY103:

3.0 Units

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. (CSU, UC, AVC)

Prevention, Intervention, and Education

PSY104:

3.0 Units

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. (CSU, UC, AVC)

Group Leadership and Process

PSY105:

3.0 Units

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. (CSU, UC, AVC)

Case Management, Law and Ethics

PSY106:

3.0 Units

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)

Chemical Dependency Family Counseling

PSY107:

3.0 Units

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)

Introduction to Psychological and Social Services

PSY108:

4.0 Units

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)

Directed Field Experience I

PSY109:

5.0 Units

Prerequisite: Concurrent enrollment in or Completion of 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)

Directed Field Experience II

PSY110:

6.0 Units

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)

Introduction to Research Methods in Psychology

PSY200:

3.0 Units

Advisory: Completion of or Concurrent enrollment in PSY 101. Prerequisite: Completion of ENGL 101 and 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) (GE: IGETC Area 4I, CSU Area D)

Introduction to Physiological Psychology

PSY201:

3.0 Units

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) (GE: IGETC Area 4I, CSU Area D9, AVC Area B)

Human Sexuality

PSY212:

3.0 Units

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) (GE: IGETC Area 4I, CSU Areas D8, D9, E, AVC Areas B, E)

Social Psychology

PSY230:

3.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. Prerequisite: Completion 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) (GE: IGETC Area 4I, CSU Area D9, AVC Area B)

Theories of Personality

PSY232:

3.0 Units

Advisory: Completion of PSY 101. Eligibility for ENGL 101 or placement by multiple measures. 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) (GE: IGETC Area 4I, CSU Area D9, AVC Area B)

Personal and Social Adjustment

PSY233:

3.0 Units

Advisory: Completion of PSY 101 Prerequisite: Completion of ENGL 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) (GE: IGETC Area 4I, CSU Area D9, AVC Area B)

Abnormal Psychology

PSY234:

3.0 Units

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) (GE: IGETC Area 4I, CSU Area D9, AVC Area B)

Child Psychology

PSY235:

3.0 Units

Prerequisite: Completion of PSY 101. 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) (GE: IGETC Area 4I, CSU Area D9, AVC Area B)

Developmental Psychology

PSY236:

3.0 Units

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) (GE: IGETC Area 4, CSU Area D, E, AVC Area B)

Introduction to Counseling

PSY244:

3.0 Units

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)

Organizational Behavioral Psychology

PSY301:

3.0 Units

Limitation on Enrollment: Must be selected as part of the AFMT BS Degree cohort to take this course. Prerequisite: Completion of PSY 101. 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)

Radiologic Technology

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.

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 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.

Program Requirements

Radiologic Technology AS (Total 104)

Complete all of the following

- BIOL101 - General Biology 3
- BIOL101L - General Biology Lab 1
- BIOL201 - General Human Anatomy 4
- BIOL202 - General Human Physiology 4
- ENGL101 - College Composition 3
- RADT101 - Introduction to Radiologic Technology 2
- RADT102 - Patient Care in Radiology 2

- RADT103 - Radiographic Positioning and Procedures I 10
- RADT104 - Radiographic Principles I 3
- RADT107 - Radiographic Positioning and Procedures II 10
- RADT108 - Advanced Principles of Exposure 3
- RADT109 - Radiation Physics 3
- RADT201 - Radiographic Clinical Practicum III 9
- RADT202 - Radiographic Pathology 11
- RADT203 - Fluoroscopic Imaging and Radiation Protection 3
- RADT204 - Principles and Applications of Cross-Sectional Anatomy in Imaging 2
- RADT207 - Advanced Radiographic Procedures 11
- RADT208 - Radiographic Certification Preparation 4
- RADT210 - Principles of Venipuncture for Radiology 1
- CHEM101 - Introductory Chemistry 5
- MATH115 - Statistics 4
- PSY101 - General Psychology 3
- COMM101 - Introduction to Public Speaking 3

Recommended Pathway

Radiologic Technology AS

Prerequisite for Program	Credits
Radiologic Technology AS BIOL101 - General Biology	3.0
Radiologic Technology AS BIOL101L - General Biology Lab	1.0
Radiologic Technology AS BIOL201 - General Human Anatomy	4.0
Radiologic Technology AS BIOL202 - General Human Physiology	4.0
Radiologic Technology AS ENGL101 - College Composition	3.0
Radiologic Technology AS CHEM101 - Introductory Chemistry	5.0
Radiologic Technology AS MATH115 - Statistics	4.0
Total Credits	24.0
First Summer	Credits
Radiologic Technology AS RADT101 - Introduction to Radiologic Technology	2.0
Radiologic Technology AS RADT102 - Patient Care in Radiology	2.0
Radiologic Technology AS PSY101 - General Psychology	3.0
Area C - Humanities Take one of the following:	
ART100 - Art Appreciation	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0

ART102 - History of Art, Renaissance to Modern	3.0	ENGL225 - English Literature, 800-1750	3.0
ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0	ENGL227 - English Literature, 1750-Present	3.0
ART104 - History of Modern and Contemporary Art in the 20th Century	3.0	ENGL230 - World Literature 1	3.0
ART106 - History of Art: Asia	3.0	ENGL231 - World Literature 2	3.0
ART110 - Drawing	3.0	ENGL235 - Shakespeare and Culture	3.0
ART113 - Painting I	3.0	ENGL242 - Narrative and Culture	3.0
ART120 - Introduction to Printmaking	3.0	ENGL253 - African American Literature	3.0
ART132 - Introduction to Ceramics: Hand-Building	3.0	ENGL256 - Latinx Literature	3.0
ART135 - Beginning Wheel-Thrown Ceramics	3.0	ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ART136 - Intermediate Wheel-Thrown Ceramics	3.0	ENGL259 - Gender, Image, and Rhetoric	3.0
ART137 - Advanced Wheel-Thrown Ceramics	3.0	ENGL265 - Film: Text and Context	3.0
ART140 - Watercolor	3.0	ENGL279 - Science Fiction and Dystopian Literature	3.0
ART145 - 2-D Design Basics	3.0	FREN101 - Elementary French 1	5.0
ART150 - 3-D Design Basics	3.0	FREN102 - Elementary French 2	5.0
ART210 - Drawing III	3.0	FREN201 - Intermediate French 1	5.0
ART213 - Painting III	3.0	FREN202 - Intermediate French 2	5.0
CHIN101 - Elementary Chinese I	5.0	FREN203 - Advanced French	3.0
CHIN102 - Elementary Chinese 2	5.0	FTV101 - Introduction to Film	3.0
CHIN201 - Intermediate Chinese	5.0	FTV103 - Introduction to Television	3.0
CHIN202 - Intermediate Chinese	5.0	FTV107 - History of Film, Pre 1950	3.0
COMM112 - Oral Interpretation	3.0	FTV108 - History of Film, 1950-Present	3.0
COMM114 - Art of Storytelling	3.0	FTV201 - Intercultural & Women's Film	3.0
DA101 - Dance Appreciation	3.0	FTV203 - African-American Cinema	3.0
DFST101 - American Sign Language I	4.0	FTV251 - Contemporary American Independent Film	4.0
DFST102 - American Sign Language II	4.0	FTV261 - Religion and Cinema	4.0
DFST105 - Introduction to American Deaf Culture	3.0	GER101 - Elementary German 1	5.0
DFST106 - Introduction to Deaf Education	3.0	GER102 - Elementary German 2	5.0
DFST201 - American Sign Language III	4.0	GER201 - Intermediate German 1	4.0
DFST202 - American Sign Language IV	4.0	GER202 - Intermediate German 2	4.0
ENGL102 - Critical Thinking and Literature	3.0	HIST115 - Cultural History of Mexico	3.0
ENGL111 - Creative Writing: Fiction	3.0	LATN101 - Elementary Latin 1	5.0
ENGL112 - Creative Writing: Poetry	3.0	LATN102 - Elementary Latin 2	5.0
ENGL221 - American Literature 1400-1865	3.0	LATN201 - Intermediate Latin	5.0
ENGL222 - American Literature 1865-Present	3.0	MUS101 - Music Appreciation	3.0
		MUS105 - World Music	3.0
		MUS111 - Fundamentals of Music (Music Theory I)	3.0
		MUS131 - Piano I	2.0

MUS132 - Piano II	2.0	THA116A - Rehearsal and Performance: Comedy	1.0
MUS151 - Music Theory II	3.0	THA117A - Rehearsal and Performance: Musical Theatre	1.0
MUS153B - Musicianship II	2.0	THA118A - Rehearsal and Performance: Children's Theatre	1.0
MUS185 - Concert Choir	1.0	THA121A - Theatre Production	1.0
MUS231 - Piano III	2.0	THA130 - Improvisation	3.0
MUS251A - Music Theory III	3.0	THA133 - Makeup for the Stage	3.0
MUS251B - Music Theory IV	3.0	THA225 - Script Analysis	3.0
MUS253A - Musicianship III	2.0	THA239 - Intercultural and Women's Theatre	3.0
MUS253B - Musicianship IV	2.0	Any GE Area C	3.0
MUSC102 - History of Jazz	3.0	Total Credits	8.0 - 12.0
MUSC103 - History of Rock 'n Roll	3.0	First Fall Term	Credits
MUSC107 - History of Women in Rock Music	3.0	Radiologic Technology AS RADT103 - Radiographic Positioning and Procedures I	10.0
MUSC109 - The History of Motown Music	3.0	Radiologic Technology AS COMM101 - Introduction to Public Speaking	3.0
NF150 - Food and Culture	3.0	Radiologic Technology AS RADT104 - Radiographic Principles I	3.0
PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0	Total Credits	16.0
PHIL106 - Introduction to Philosophy	3.0	First Spring Term	Credits
PHIL108 - Philosophy of Religion	3.0	Radiologic Technology AS RADT107 - Radiographic Positioning and Procedures II	10.0
PHIL109 - World Religions	3.0	Radiologic Technology AS RADT108 - Advanced Principles of Exposure	3.0
PHOT107 - History of Photography	3.0	Radiologic Technology AS RADT109 - Radiation Physics	3.0
PHTC101 - Beginning Black and White Photography	3.0	Total Credits	16.0
PHTC150 - Beginning Color Photography	3.0	Second Summer	Credits
PHTC201 - Advanced Black and White Photography	3.0	Radiologic Technology AS RADT201 - Radiographic Clinical Practicum III	9.0
SPAN101 - Elementary Spanish 1	5.0	Total Credits	9.0
SPAN102 - Elementary Spanish 2	5.0	Second Fall	Credits
SPAN110SS - Spanish for Heritage Speakers I	5.0	Radiologic Technology AS RADT202 - Radiographic Pathology	11.0
SPAN201 - Intermediate Spanish 1	5.0	Radiologic Technology AS RADT203 - Fluoroscopic Imaging and Radiation Protection	3.0
SPAN202 - Intermediate Spanish 2	5.0	Radiologic Technology AS RADT204 - Principles and Applications of Cross-Sectional Anatomy in Imaging	2.0
SPAN210SS - Spanish for Heritage Speakers II	5.0	Radiologic Technology AS RADT210 - Principles of Venipuncture for Radiology	1.0
SPAN220SS - Composition and Conversation	5.0	Total Credits	17.0
THA101 - Introduction to Theatre	3.0		
THA102 - Introduction to Stagecraft	3.0		
THA103 - Introduction to Stage Lighting	3.0		
THA110 - Fundamentals of Acting	3.0		
THA115A - Rehearsal and Performance: Drama	1.0		

Second Spring Term	Credits
Radiologic Technology AS RADT207 - Advanced Radiographic Procedures	11.0
Radiologic Technology AS RADT208 - Radiographic Certification Preparation	4.0
Area F - Diversity Studies Take one of the following:	
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH112 - Ethnic Studies: Native North Americans	3.0
BUS212 - Women in Organizations	3.0
CFE116 - Diversity Early Childhood Ed	3.0
COMM114 - Art of Storytelling	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
DFST105 - Introduction to American Deaf Culture	3.0
DFST106 - Introduction to Deaf Education	3.0
ECON110 - Economics of the Underclass	3.0
ENGL253 - African American Literature	3.0
ENGL256 - Latinx Literature	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0
FTV201 - Intercultural & Women's Film	3.0
FTV203 - African-American Cinema	3.0
HE201 - Women's Health Issues	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
MUSC107 - History of Women in Rock Music	3.0
MUSC108 - History of Hip Hop	3.0
POLS202 - Ethnic Politics in America	3.0
SOC105 - The Mexican American in Contemporary Society	3.0
SOC110 - Ethnic Relations	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
THA239 - Intercultural and Women's Theatre	3.0
Any GE Area F	3.0
Total Credits	18.0

Program Outcomes

AS Radiologic Technology

Students will be clinically competent.

Students will demonstrate communication skills.

Students will develop critical thinking skills.

Students will model professionalism.

Introduction to Radiologic Technology

RADT101:

2.0 Units

Limitation on Enrollment: Formal admission to Radiologic Technology Program. Prerequisite: Completion of BIOL 201, BIOL 202, and English 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)

Patient Care in Radiology

RADT102:

2.0 Units

Limitation on Enrollment: Formal admission to Radiologic Technology Program. Prerequisite: Completion of BIOL 201, BIOL 202, Completion of 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)

Radiographic Positioning and Procedures I

RADT103:

10.0 Units

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)

Radiographic Principles I

RADT104:

3.0 Units

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)

Radiographic Positioning and Procedures II

RADT107:

10.0 Units

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)

Advanced Principles of Exposure

RADT108:

3.0 Units

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)

Radiation Physics

RADT109:

3.0 Units

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)

Radiographic Clinical Practicum III

RADT201:

9.0 Units

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)

Radiographic Pathology

RADT202:

11.0 Units

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)

Fluoroscopic Imaging and Radiation Protection

RADT203:

3.0 Units

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)

Principles and Applications of Cross-Sectional Anatomy in Imaging

RADT204:

2.0 Units

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)

Advanced Radiographic Procedures

RADT207:

11.0 Units

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)

Radiographic Certification Preparation

RADT208:

4.0 Units

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. (AVC)

Principles of Venipuncture for Radiology

RADT210:

1.0 Units

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. (AVC)

Reading

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.

Noncredit Course

Critical Reading

READ099:

0.0 Units

This course provides competency and strategy-based instruction for improving reading. It involves intensive work with literal comprehension, introductory inferential comprehension, metacognitive strategies and vocabulary development in college-level texts. Students will receive "pass" or "no pass" only. (R unlimited)

Real Estate

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](#).

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 - 61 units. (See Graduation/Associate Degree Requirements.)

Program Requirements

Real Estate AS (Total 36 - 39)

Complete all of the following

Required Courses (Total 24 - 25)

Complete all of the following

Required Courses (Total 21)

Complete all of the following

BUS113 - Business Communications 3

RE101 - Real Estate Principles 3

RE105 - Real Estate Practices 3

RE111 - Real Estate Finance 3

RE121 - Legal Aspects of Real Estate 3

RE131 - Real Estate Appraisal 3

BUS201 - Business Law 3

Required Course (Total 3 - 4)

Complete the following number of credits: 3-4

CA103 - Introduction to Computer and Digital Technology 3

CA221 - Computer Concepts & Applications in Business 4

Required Course (Total 3 - 4)

Complete the following number of credits: 3-4

ACCT111 - Bookkeeping 3

ACCT201 - Financial Accounting 4

Required Course (Total 3 - 4)

Complete the following number of credits: 3-4

BUS105 - Business Mathematics 3

MATH140 - Precalculus 4

Program Electives (Total 6)

Complete all of the following

RE141 - Escrow Principles 3

RE161 - Property Management 3

Recommended Pathway

Real Estate AS

	Credits
Fall Semester	
Required Courses RE101 - Real Estate Principles	3.0
Required Course BUS105 - Business Mathematics	3.0
Required Course CA103 - Introduction to Computer and Digital Technology	3.0
Area B - Social & Behavioral Sciences BUS101 - Introduction to Business	3.0
D1 - Language & Rationality - Communication and Analytical Thinking ENGL101 - College Composition	3.0
Total Credits	15.0
Second Semester	
Required Courses BUS113 - Business Communications	3.0
Required Courses RE105 - Real Estate Practices	3.0
Area C - Humanities COMM112 - Oral Interpretation	3.0
Required Courses RE121 - Legal Aspects of Real Estate	3.0
Required Courses BUS201 - Business Law	3.0
Total Credits	15.0
Third Semester	
Required Course Take one of the following:	
ACCT111 - Bookkeeping	3.0
ACCT201 - Financial Accounting	4.0
Required Courses RE111 - Real Estate Finance	3.0
Required Courses RE131 - Real Estate Appraisal	3.0
D2 - Language & Rationality - Communication and Analytical Thinking COMM101 - Introduction to Public Speaking	3.0
E. Lifelong Learning and Self-Development Take one of the following:	
CFE102 - The Developing Child-Child Growth and Development	3.0
COMM107 - Introduction to Interpersonal Communication	3.0
DA108 - Dance Ensemble	3.0
DA111 - Choreography	3.0
HD101 - College and Life Management	3.0
HD102 - Soldiers to Scholars	3.0
HD105 - Personal Development	3.0

HE101 - Health Education	3.0
HE120 - Stress Management	3.0
NF100 - Nutrition	3.0
NF103 - Principles of Food Preparation	3.0
NF150 - Food and Culture	3.0
PSY212 - Human Sexuality	3.0
PSY236 - Developmental Psychology	3.0
SOC111 - Issues and Concepts in Aging	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
SOC120 - Drugs, Society and Human Behavior	3.0
Total Credits	15.0 - 16.0
Fourth Semester Credits	
Program Electives RE141 - Escrow Principles	3.0
Program Electives RE161 - Property Management	3.0
Area A - Natural Sciences BIOL104 - Environmental Biology	3.0
Area F - Diversity Studies BUS212 - Women in Organizations	3.0
Elective General Elective	3.0
Total Credits	15.0

Program Outcomes

AS Real Estate

Explain the steps in listing, selling, leasing, investing, and exchanging real property.

Apply computer applications to list, sell and market real property.

Demonstrate the use of accounting for the operation of a real estate office.

Real Estate Broker's Cert

This certificate requires a minimum of 36 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 36 - 39)

Complete all of the following

Required Courses (Total 30 - 33)

Complete all of the following

Required Courses (Total 3 - 4)

Complete the following number of credits: 3-4

ACCT111 - Bookkeeping 3

ACCT201 - Financial Accounting 4

Required Courses (Total 3 - 4)

Complete the following number of credits: 3-4

BUS105 - Business Mathematics 3

MATH140 - Precalculus 4

Required Courses (Total 3 - 4)

Complete the following number of credits: 3-4

CA103 - Introduction to Computer and Digital Technology 3

CA221 - Computer Concepts & Applications in Business 4

CIS101 - Introduction to Computer Information Science 3

Required Courses (Total 21)

Complete all of the following

BUS113 - Business Communications 3

BUS201 - Business Law 3

RE101 - Real Estate Principles 3

RE105 - Real Estate Practices 3

RE111 - Real Estate Finance 3

RE121 - Legal Aspects of Real Estate 3

RE131 - Real Estate Appraisal 3

Program Electives (Total 6)

Complete the following number of credits: 6

RE141 - Escrow Principles 3

RE161 - Property Management 3

Recommended Pathway

Real Estate Broker's Cert

Fall Semester

Credits

Required Courses BUS105 - Business Mathematics 3.0

Required Courses CA103 - Introduction to Computer and Digital Technology 3.0

Required Courses BUS113 - Business Communications 3.0

Required Courses RE101 - Real Estate Principles 3.0

Total Credits 12.0

Spring Semester

Credits

Required Courses RE105 - Real Estate Practices 3.0

Required Courses ACCT111 - Bookkeeping 3.0

Required Courses RE121 - Legal Aspects of Real Estate 3.0

Program Electives RE141 - Escrow Principles 3.0

Total Credits 12.0

Fall Semester

Credits

Required Courses RE111 - Real Estate Finance 3.0

Required Courses RE131 - Real Estate Appraisal 3.0

Program Electives RE161 - Property Management 3.0

Required Courses BUS201 - Business Law 3.0

Total Credits 12.0

Program Outcomes

Real Estate Broker's Cert

Explain the steps in listing, selling, leasing, investing, and exchanging real property.

Apply computer applications to list, sell and market real property.

Demonstrate the use of accounting for the operation of a real estate office.

Real Estate Salesperson Cert

This certificate requires a minimum of 18 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.

Program Requirements

Real Estate Salesperson Cert (Total 18 - 21)

Complete all of the following

Required Courses (Total 15 - 18)

Complete the following number of credits: 15-18

Required Courses (Total 9)

Complete all of the following

BUS113 - Business Communications 3

RE101 - Real Estate Principles 3

RE105 - Real Estate Practices 3

Required Courses (Total 3 - 7)

Complete at least one of the following rules

BUS105 - Business Mathematics 3

MATH140 - Precalculus 4

Required Courses (Total 3 - 10)

Complete at least one of the following rules

CA103 - Introduction to Computer and Digital Technology 3

CA221 - Computer Concepts & Applications in Business 4

CIS101 - Introduction to Computer Information Science 3

Program Electives (Total 3)

Complete the following number of credits: 3

RE111 - Real Estate Finance 3

RE121 - Legal Aspects of Real Estate 3

RE131 - Real Estate Appraisal 3

RE141 - Escrow Principles 3

RE161 - Property Management 3

Recommended Pathway

Real Estate Salesperson Cert

First Semester

Credits

Required Courses BUS105 - Business Mathematics 3.0

Required Courses CA103 - Introduction to Computer and Digital Technology 3.0

Required Courses RE101 - Real Estate Principles 3.0

Total Credits 9.0

Second Semester Credits

Required Courses BUS113 - Business Communications 3.0

Required Courses RE105 - Real Estate Practices 3.0

Program Electives RE121 - Legal Aspects of Real Estate 3.0

Total Credits 9.0

Program Outcomes

Real Estate Salesperson Cert

Explain the steps in listing, selling, leasing, investing, and exchanging real property.

Apply computer applications to list, sell and market real property.

Demonstrate the use of accounting for the operation of a real estate office.

Real Estate Principles

RE101:

3.0 Units

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)

Real Estate Practices

RE105:

3.0 Units

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)

Real Estate Finance

RE111:

3.0 Units

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)

Legal Aspects of Real Estate

RE121:

3.0 Units

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)

Real Estate Appraisal

RE131:

3.0 Units

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)

Escrow Principles

RE141:

3.0 Units

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)

Property Management

RE161:

3.0 Units

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)

Work Experience

RE199:

4.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Recreational Leadership

Introduction to Recreation and Leisure

REC101:

3.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures 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)

Recreational Leadership

REC102:

3.0 Units

Advisory: Eligibility for College Level Reading and ENGL 101/ENGL 101SL. 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)

Respiratory Care/Therapy

The Associates of Science in Respiratory Care program at Antelope Valley College is 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/>

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 <https://www.rcb.ca.gov>

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 73)

Complete all of the following

Program Prerequisites (Total 24)

Complete all of the following

BIOL101 - General Biology 3

BIOL101L - General Biology Lab 1

BIOL201 - General Human Anatomy 4

BIOL202 - General Human Physiology 4

CHEM101 - Introductory Chemistry 5

ENGL101 - College Composition 3

MATH115 - Statistics 4

Required Courses (Total 49)

Complete all of the following

RCP101 - Fundamentals of Respiratory Care 6

RCP102 - Clinical Preparation for Respiratory Care 1

RCP103 - Concepts in Respiratory Care 6

RCP104 - Respiratory Care Pharmacology 3

RCP105 - Fundamentals of Clinical Respiratory Care 5

RCP201 - Neonatal and Pediatric Respiratory Care 3

RCP202 - Fundamentals of Intensive Respiratory Care 4

RCP203 - Seminar and Practicum in Respiratory Care I 6

RCP204 - Seminar and Practicum in Respiratory Care II 9

PSY101 - General Psychology 3

COMM101 - Introduction to Public Speaking 3

Recommended Pathway

Respiratory Care/Therapy AS

Prior to Program	Credits
Program Prerequisites BIOL101 - General Biology	3.0
Program Prerequisites MATH115 - Statistics	4.0
Program Prerequisites BIOL101L - General Biology Lab	1.0
Program Prerequisites CHEM101 - Introductory Chemistry	5.0
Program Prerequisites BIOL202 - General Human Physiology	4.0
Program Prerequisites BIOL201 - General Human Anatomy	4.0
Program Prerequisites ENGL101 - College Composition	3.0
Area F - Diversity Studies SOC105 - The Mexican American in Contemporary Society	3.0
Required Courses COMM101 - Introduction to Public Speaking	3.0
Required Courses PSY101 - General Psychology	3.0
Area C - Humanities ENGL102 - Critical Thinking and Literature	3.0
Total Credits	36.0
First Fall In Program	Credits
Required Courses RCP101 - Fundamentals of Respiratory Care	6.0
Required Courses RCP102 - Clinical Preparation for Respiratory Care	1.0
Total Credits	7.0

First Spring In Program	Credits
Required Courses RCP103 - Concepts in Respiratory Care	6.0
Required Courses RCP104 - Respiratory Care Pharmacology	3.0
Total Credits	9.0
Summer in Program	Credits
Required Courses RCP105 - Fundamentals of Clinical Respiratory Care	5.0
Total Credits	5.0
Second Fall in Program	Credits
Required Courses RCP201 - Neonatal and Pediatric Respiratory Care	3.0
Required Courses RCP202 - Fundamentals of Intensive Respiratory Care	4.0
Required Courses RCP203 - Seminar and Practicum in Respiratory Care I	6.0
Total Credits	13.0
Second Spring in Program	Credits
Required Courses RCP204 - Seminar and Practicum in Respiratory Care II	9.0
Total Credits	9.0

Program Outcomes

AS Respiratory Care/Therapy

70% of a cohort will successfully complete the program within 2 years from admission.

Pass the national credentialing examinations and obtain state license to practice

Apply critical thinking and information technology as the foundations for clinical decision making and patient care.

Collaborate with the patient, significant others, and members of the health care team to develop a plan of care

Practice as a registered respiratory care practitioner within legal, ethical, professional, and regulatory standards of respiratory care practice.

Fundamentals of Respiratory Care

RCP101:

6.0 Units

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 Math 115 with a grade of "C" or better. Completion of 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)

Clinical Preparation for Respiratory Care

RCP102:

1.0 Units

Limitation on Enrollment: Formal admission to Respiratory Care program. Corequisite: Concurrent enrollment in RCP 101. This course provides an introduction to the basic concepts of clinical respiratory care as practiced in the acute care hospital. (AVC)

Concepts in Respiratory Care

RCP103:

6.0 Units

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 101 with a grade of "C" or better. Completion of 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)

Respiratory Care Pharmacology

RCP104:

3.0 Units

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 101 with a grade of "C" or better. Completion of 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)

Fundamentals of Clinical

Respiratory Care

RCP105:

5.0 Units

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)

Neonatal and Pediatric Respiratory Care

RCP201:

3.0 Units

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)

Fundamentals of Intensive Respiratory Care

RCP202:

4.0 Units

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)

Seminar and Practicum in Respiratory Care I

RCP203:

6.0 Units

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)

Seminar and Practicum in Respiratory Care II

RCP204:

9.0 Units

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)

Sociology

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.

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 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 obtain 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. To earn an Associate in Arts in Sociology for Transfer degree (AA-T in Sociology) a student must complete the following: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a “C” (or “P”) or better in all courses required for the major or area of emphasis.

Program Requirements

Sociology AA-T (Total 19)

Complete all of the following

Required Courses (Total 6)

Complete the following number of credits: 6

SOC101 - Introduction to Sociology 3

SOC112 - American Social Issues: Problems and Challenges 3

Required Courses - choose one (Total 4)

Complete the following number of credits: 4

MATH115 - Statistics 4

MATH116 - Introduction to Statistics Using R 4

List A (Total 6)

Complete the following number of credits: 6

AJ206 - Criminology 3

SOC200 - Research Methods for the Social Sciences 3

SOC110 - Ethnic Relations 3

SOC116 - Sociology of Gender and Sexuality 3

SOC115 - Modern Relationships and Family Life 3

PSY230 - Social Psychology 3

List B (Total 3)

Complete the following number of credits: 3

OR any course not already used from List A 0

SOC105 - The Mexican American in Contemporary Society 3

SOC111 - Issues and Concepts in Aging 3

SOC120 - Drugs, Society and Human Behavior 3

Recommended Pathway for CSU

Term 1

Credits

B-4 Mathematics/Quantitative Reasoning

MATH115 - Statistics

4.0

Required Courses SOC101 - Introduction to Sociology

3.0

A-2 Written Communication ENGL101 - College Composition

3.0

E. Lifelong Learning and Self-Development

Take one of the following:

CFE102 - The Developing Child

3.0

COMM107 - Introduction to Interpersonal Communication

3.0

DA108 - Dance Ensemble

3.0

DA111 - Choreography

3.0

HD101 - College and Life Management

3.0

HD102 - Soldiers to Scholars

3.0

HD105 - Personal Development

3.0

HE101 - Health Education

3.0

HE120 - Stress Management

3.0

NF100 - Nutrition

3.0

NF103 - Principles of Food Preparation

3.0

NF150 - Food and Culture	3.0	ENGL102 - Critical Thinking and Literature	3.0
PSY212 - Human Sexuality	3.0	ENGL103 - Critical Thinking and Research	3.0
PSY236 - Developmental Psychology	3.0	PHIL101 - Fundamental Reasoning Skills	3.0
SOC111 - Issues and Concepts in Aging	3.0	PHIL106 - Introduction to Philosophy	3.0
SOC116 - Sociology of Gender and Sexuality	3.0	PHIL110 - Introduction to Logic	3.0
SOC120 - Drugs, Society and Human Behavior	3.0	PHIL201 - Critical Thinking	3.0
Any CSU GE Area E	3.0	Any CSU GE Area A-3	3.0
Elective General Elective	2.0	B-1 Physical Science ASTR101 - Astronomy	3.0
Total Credits	15.0	B-3 Laboratory Activity ASTR101L - Astronomy Laboratory	1.0
Term 2	Credits	C-2 Humanities Any CSU GE Area C-2	3.0
D. Social Sciences SOC112 - American Social Issues: Problems and Challenges	3.0	Total Credits	16.0
D. Social Sciences POLS101 - American Political Institutions	3.0	Term 4	Credits
A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0	List B Take one of the following:	
C-1 Arts (art, Dance, Music, Theatre) Any CSU GE Area C-1	3.0	OR any course not already used from List A	0.0
Elective General Elective	3.0	SOC105 - The Mexican American in Contemporary Society	3.0
Total Credits	15.0	SOC111 - Issues and Concepts in Aging	3.0
Term 3	Credits	SOC120 - Drugs, Society and Human Behavior	3.0
List A Take one of the following:		B-2 Life Science ANTH101 - Introduction to Biological Anthropology	3.0
AJ206 - Criminology	3.0	F. Ethnic Studies Ethnic Studies Course	3.0
SOC200 - Research Methods for the Social Sciences	3.0	C-2 Humanities SPAN101 - Elementary Spanish 1	5.0
SOC110 - Ethnic Relations	3.0	Total Credits	11.0 - 14.0
SOC116 - Sociology of Gender and Sexuality	3.0		
SOC115 - Modern Relationships and Family Life	3.0	Program Outcomes	
PSY230 - Social Psychology	3.0	AA-T Sociology	
List A Take one of the following:		Define sociology, social structure, social stratification, race, ethnicity, gender, globalization, socialization, ethnocentrism, relativism, racism, sexism, and ageism.	
AJ206 - Criminology	3.0	Discuss and identify the social maintenance functions and dysfunctions of social inequality, global stratification, boundary maintenance systems, and the social construction of identity and group solidarity.	
SOC200 - Research Methods for the Social Sciences	3.0	Compare and contrast the major theoretical perspectives of sociology, and identify the unique features of sociological analysis.	
SOC110 - Ethnic Relations	3.0	Interpret sociological research of both qualitative and quantitative empirical studies and demonstrate familiarity with the variety of sociological research methods and designs.	
SOC116 - Sociology of Gender and Sexuality	3.0		
SOC115 - Modern Relationships and Family Life	3.0		
PSY230 - Social Psychology	3.0		
A-3 Critical Thinking Take one of the following:			
COMM110 - Persuasion	3.0		
COMM115 - Introduction to Argumentation and Debate	3.0		

Introduction to Sociology

SOC101:

3.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. This course will introduce students to the basic concepts of the discipline of sociology, and the theoretical approaches and methods of sociology. Topics will include the analysis and explanation of social structure, group dynamics, socialization, culture, the construction of self and group identity, social stratification, diversity, social change, global dynamics and globalization. Course objectives include the ability to apply sociological ideas to everyday human behavior and the appreciation of societal problem. (C-ID: SOCI 110) (UC, CSU, AVC) (GE: IGETC Area 4J, CSU Area D0, AVC Area B)

The Mexican American in Contemporary Society

SOC105:

3.0 Units

Advisory: Completion of SOC 101 and Eligibility for ENGL 101 or placement by multiple measures. 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) (GE: IGETC Area 4J, CSU Area D0, AVC Area B, F)

Ethnic Relations

SOC110:

3.0 Units

Advisory: Completion of SOC 101. Equivalency: Same course as ETHN 110SO 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) (GE: IGETC Area 4J, CSU Area D, AVC Area B, F)

Issues and Concepts in Aging

SOC111:

3.0 Units

Advisory: Completion of SOC 101. 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) (GE: IGETC Areas 4J, CSU Area D0, E, AVC Area B, E)

American Social Issues: Problems and Challenges

SOC112:

3.0 Units

Advisory: Completion of SOC 101. 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) (GE: IGETC Area 4J, CSU Area D0, AVC Area B)

Modern Relationships and Family Life

SOC115:

3.0 Units

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) (GE: IGETC Area 4J, CSU Area D0, AVC Area B)

Sociology of Gender and Sexuality

SOC116:

3.0 Units

Prerequisite: 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) (GE: IGETC Area 4J, CSU Areas D0, D4, D7, E, AVC Area B, E, F)

Drugs, Society and Human Behavior

SOC120:

3.0 Units

Advisory: Eligibility for ENGL 101 or placement by multiple measures. 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) (GE: IGETC Area 4, CSU Area D0, D7, E, AVC Area B)

Research Methods for the Social Sciences

SOC200:

3.0 Units

Prerequisite: Completion of MATH 115 and SOC 101. 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) (GE: IGETC Area 4, CSU Area D)

Spanish

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.

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: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education---Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Program Requirements

Spanish AA-T (Total 23)

Complete all of the following

Required Courses (Total 20)

Complete all of the following

Required Courses (Total 10)

Complete all of the following

SPAN101 - Elementary Spanish 1 5

SPAN102 - Elementary Spanish 2 5

Required Courses - Choose one (Total 5)

Complete the following number of credits: 5

SPAN201 - Intermediate Spanish 1 5

OR 0

SPAN110SS - Spanish for Heritage Speakers I 5

Required Courses - Choose one (Total 5)

Complete the following number of credits: 5

SPAN202 - Intermediate Spanish 2 5

OR 0

SPAN210SS - Spanish for Heritage Speakers II 5

Substitution courses: If a student places out of any required course(s) and is not awarded units for those courses, the student will need to take additional units to compensate for the course/units (Total 0)

Complete the following number of credits: 0

ENGL256 - Latinx Literature 3

FREN101 - Elementary French 1 5

FREN102 - Elementary French 2 5

HIST115 - Cultural History of Mexico 3

HIST119 - History of Latin America and the Caribbean 3

SOC105 - The Mexican American in Contemporary Society 3

SPAN220SS - Composition and Conversation 5

Required Elective A (Total 3)

Complete all of the following

SPAN203 - Introduction to Hispanic Literature 3

Recommended Pathway

Heritage Track

Term 1	Credits
Required Courses - Choose one SPAN110SS - Spanish for Heritage Speakers I	5.0
A-2 Written Communication ENGL101 - College Composition	3.0
B-4 Mathematics/Quantitative Reasoning MATH115 - Statistics	4.0
A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
Total Credits	15.0
Term 2	Credits
Required Courses - Choose one SPAN210SS - Spanish for Heritage Speakers II	5.0
B-1 Physical Science Take one of the following:	
ASTR101 - Astronomy	3.0
CHEM101 - Introductory Chemistry	5.0
CHEM102 - Introductory Chemistry (Organic & Biochemistry)	4.0
CHEM110 - General Chemistry	5.0
CHEM120 - General Chemistry	5.0
CHEM210 - Organic Chemistry	4.0

CHEM220 - Organic Chemistry	4.0	BIOL104 - Environmental Biology	3.0
ERSC101 - Introduction to Earth Science	4.0	BIOL110 - General Molecular Cell Biology	5.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0	BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0	BIOL201 - General Human Anatomy	4.0
GEOL101 - Physical Geology	3.0	BIOL202 - General Human Physiology	4.0
GEOL102 - Historical Geology	3.0	BIOL204 - General Microbiology	5.0
PHYS101 - Introductory Physics	4.0	BIOL205 - Introduction to Biotechnology	3.0
PHYS102 - Introductory Physics	4.0	Any CSU GE Area B-2	3.0
PHYS110 - General Physics	4.0	B-3 Laboratory Activity Take one of the following:	
PHYS120 - General Physics	4.0	ANTH101L - Biological Anthropology Lab	1.0
PHYS211 - General Physics	5.0	ASTR101L - Astronomy Laboratory	1.0
PSCI101 - Physical Science	4.0	BIOL101L - General Biology Lab	1.0
Any CSU GE Area B-1	3.0	GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
B-3 Laboratory Activity Take one of the following:		GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0
ANTH101L - Biological Anthropology Lab	1.0	GEOL101L - Physical Geology Lab	1.0
ASTR101L - Astronomy Laboratory	1.0	GEOL102L - Historical Geology Laboratory	1.0
BIOL101L - General Biology Lab	1.0	Any CSU GE Area B-3	1.0
GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0	E. Lifelong Learning and Self-Development Take one of the following:	
GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0	CFE102 - The Developing Child	3.0
GEOL101L - Physical Geology Lab	1.0	COMM107 - Introduction to Interpersonal Communication	3.0
GEOL102L - Historical Geology Laboratory	1.0	DA108 - Dance Ensemble	3.0
Any CSU GE Area B-3	1.0	DA111 - Choreography	3.0
D. Social Sciences SOC105 - The Mexican American in Contemporary Society	3.0	HD101 - College and Life Management	3.0
A-3 Critical Thinking ENGL102 - Critical Thinking and Literature	3.0	HD102 - Soldiers to Scholars	3.0
Total Credits	15.0 - 17.0	HD105 - Personal Development	3.0
Term 3 Credits		HE101 - Health Education	3.0
Substitution courses: If a student places out of any required course(s) and is not awarded units for those courses, the student will need to take additional units to compensate for the course/units	5.0	HE120 - Stress Management	3.0
SPAN220SS - Composition and Conversation		NF100 - Nutrition	3.0
B-2 Life Science Take one of the following:		NF103 - Principles of Food Preparation	3.0
ANTH101 - Introduction to Biological Anthropology	3.0	NF150 - Food and Culture	3.0
BIOL101 - General Biology	3.0	PSY212 - Human Sexuality	3.0
BIOL102 - Human Biology	4.0	PSY236 - Developmental Psychology	3.0
BIOL103 - Introduction to Botany	4.0	SOC111 - Issues and Concepts in Aging	3.0
		SOC116 - Sociology of Gender and Sexuality	3.0
		SOC120 - Drugs, Society and Human Behavior	3.0
		Any CSU GE Area E	3.0

F. Ethnic Studies Take one of the following:

Ethnic Studies Course	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
Total Credits	15.0 - 17.0

Term 4 Credits

Required Elective A SPAN203 - Introduction to Hispanic Literature	3.0
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C-1 Arts (art, Dance, Music, Theatre) HIST115 - Cultural History of Mexico	3.0
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D. Social Sciences HIST119 - History of Latin America and the Caribbean	3.0
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Elective Take one of the following:

General Elective	1.0
General Elective	2.0
General Elective	3.0
BUS101 - Introduction to Business	3.0
KINF130 - Physical Conditioning	1.0
ART101 - History of Art, Prehistoric to Gothic	3.0
HE101 - Health Education	3.0
HIST101 - Western Civilization, Ancient-1750	3.0
MUS101 - Music Appreciation	3.0
PHOT107 - History of Photography	3.0
DA101 - Dance Appreciation	3.0
FTV101 - Introduction to Film	3.0
PSY101 - General Psychology	3.0

Elective Take one of the following:

General Elective	1.0
General Elective	2.0
General Elective	3.0
BUS101 - Introduction to Business	3.0
KINF130 - Physical Conditioning	1.0
ART101 - History of Art, Prehistoric to Gothic	3.0
HE101 - Health Education	3.0
HIST101 - Western Civilization, Ancient-1750	3.0
MUS101 - Music Appreciation	3.0
PHOT107 - History of Photography	3.0
DA101 - Dance Appreciation	3.0
FTV101 - Introduction to Film	3.0
PSY101 - General Psychology	3.0

Total Credits	11.0 - 15.0
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Spanish as a Second Language Track

Summer Term	Credits
Required Courses SPAN101 - Elementary Spanish 1	5.0

Total Credits	5.0
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Term 1 Credits

Required Courses SPAN102 - Elementary Spanish 2	5.0
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A-2 Written Communication ENGL101 - College Composition	3.0
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B-4 Mathematics/Quantitative Reasoning MATH115 - Statistics	4.0
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Total Credits	12.0
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Term 2 Credits

Required Courses - Choose one SPAN201 - Intermediate Spanish 1	5.0
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B-1 Physical Science Take one of the following:

ASTR101 - Astronomy	3.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
GEOL101 - Physical Geology	3.0
GEOL102 - Historical Geology	3.0

B-3 Laboratory Activity Take one of the following:

ANTH101L - Biological Anthropology Lab	1.0
ASTR101L - Astronomy Laboratory	1.0
BIOL101L - General Biology Lab	1.0
GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
GEOG102L - Physical Geography Lab: Earth's Weather & Climate	1.0
GEOL101L - Physical Geology Lab	1.0
GEOL102L - Historical Geology Laboratory	1.0
Any CSU GE Area B-3	1.0

D. Social Sciences SOC105 - The Mexican American in Contemporary Society	3.0
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A-3 Critical Thinking ENGL102 - Critical Thinking and Literature	3.0
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Total Credits	15.0
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Term 3 Credits

Required Courses - Choose one SPAN202 - Intermediate Spanish 2	5.0
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A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
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D. Social Sciences HIST119 - History of Latin America and the Caribbean	3.0
B-2 Life Science Take one of the following:	
ANTH101 - Introduction to Biological Anthropology	3.0
BIOL101 - General Biology	3.0
BIOL102 - Human Biology	4.0
BIOL103 - Introduction to Botany	4.0
BIOL104 - Environmental Biology	3.0
BIOL201 - General Human Anatomy	4.0
BIOL202 - General Human Physiology	4.0
BIOL205 - Introduction to Biotechnology	3.0
Total Credits	14.0 - 15.0
Term 4	Credits
D. Social Sciences HIST119 - History of Latin America and the Caribbean	3.0
Required Elective A SPAN203 - Introduction to Hispanic Literature	3.0
C-1 Arts (art, Dance, Music, Theatre) HIST115 - Cultural History of Mexico	3.0
E. Lifelong Learning and Self-Development Take one of the following:	
CFE102 - The Developing Child	3.0
COMM107 - Introduction to Interpersonal Communication	3.0
DA108 - Dance Ensemble	3.0
DA111 - Choreography	3.0
HD101 - College and Life Management	3.0
HD102 - Soldiers to Scholars	3.0
HD105 - Personal Development	3.0
HE101 - Health Education	3.0
HE120 - Stress Management	3.0
NF100 - Nutrition	3.0
NF103 - Principles of Food Preparation	3.0
NF150 - Food and Culture	3.0
PSY212 - Human Sexuality	3.0
PSY236 - Developmental Psychology	3.0
SOC111 - Issues and Concepts in Aging	3.0
SOC116 - Sociology of Gender and Sexuality	3.0
SOC120 - Drugs, Society and Human Behavior	3.0
Any CSU GE Area E	3.0
Elective Take one of the following:	
General Elective	1.0
General Elective	2.0
Total Credits	13.0 - 14.0

Program Outcomes

AA-T Spanish

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.

Compare and contrast, in Spanish, important socio-political, historical and cultural differences between the country/countries where Spanish is spoken and the United States.

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.

Elementary Spanish 1

SPAN101:

5.0 Units

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) (CSU, UC, AVC)

Elementary Spanish 2

SPAN102:

5.0 Units

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) (CSU, UC, AVC)

Spanish for Heritage Speakers I

SPAN110SS:

5.0 Units

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) (GE: IGETC Areas 3B, 6A, CSU Area C2, AVC Area C)

Intermediate Spanish 1

SPAN201:

5.0 Units

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) (GE: IGETC Areas 3B, 6A, CSU Area C2, AVC Area C)

Intermediate Spanish 2

SPAN202:

5.0 Units

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) (GE: IGETC Areas 3B, 6A, CSU Area C2, AVC Area C)

Introduction to Hispanic Literature

SPAN203:

3.0 Units

Prerequisite: Completion of or concurrent enrollment in SPAN 202 or SPAN 210SS. Reading and discussion of literary texts. Course includes advanced vocabulary building, essay writing and critical analysis of literature. The course will be conducted entirely in Spanish. (UC, CSU, AVC) (GE: IGETC Areas 3B, 6A, CSU Area C2, AVC Area C)

Spanish for Heritage Speakers II

SPAN210SS:

5.0 Units

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) (GE: IGETC Areas 3B, 6A, CSU Area C2, AVC Area C)

Composition and Conversation

SPAN220SS:

5.0 Units

Prerequisite: Completion of SPAN 210SS or SPAN 202. 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) (GE: IGETC Areas 3B, 6A, CSU Area C2, AVC Area C)

Theatre Arts

Theatre is a performance art, and classes in the Theatre Arts Program are production oriented with many opportunities for students and community members to participate in public performances of shows. Departmental productions are integrated into all course studies and are used as practical examples of the theory and practice covered in each course. A full range of courses are offered allowing the student to gain a broad-based background in all aspects of theatre, including students planning to transfer to a four-year institution, students seeking fulfillment of general education requirements, and students wishing to broaden their vision as artists.

Theatre Arts AA-T

Theatre has been a powerful medium of human expression and exploration for thousands of years, offering its community a deeper understanding of itself, both as a collective and as individuals, through a synthesis of entertainment and instruction. A background in the Theatre Arts offers students the opportunity to develop a powerful insight into the nature of human relationships and interpersonal dynamics. Theatre Arts students develop intense imaginations, become keen observers, and generate valuable insights into the complexities of human nature. The Associate in Arts in Theatre Arts for Transfer (AA-T in Theatre Arts) degree is designed to enrich students' aesthetic and intellectual proficiency in the theatre arts; and to build a solid foundation in the practical, artistic and historical aspects of theatre. 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 English for Transfer (AA-T in English) degree a student must complete the following: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education---Breadth Requirements. (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Program Requirements

Theatre Arts AA-T (Total 18)

Complete the following number of credits: 18

Required Core (Total 9)

Complete the following number of credits: 9

<<CHOOSE THA 101 INTRODUCTION TO THEATRE OR THA 111 THEATRE HISTORY I>> 0

THA101 - Introduction to Theatre 3

OR 0

THA111 - Theatre History I 3

and 0

THA110 - Fundamentals of Acting 3

[SELECT 3 UNITS MAXIMUM FROM THE LISTS BELOW] 0

REHEARSAL AND PERFORMANCE PRODUCTION: 0

THA115A - Rehearsal and Performance: Drama 1

THA115B - Rehearsal & Performance: Drama 2 - 3

THA116A - Rehearsal and Performance: Comedy 1

THA116B - Rehearsal&Performance: Comedy 2 - 3

THA117A - Rehearsal and Performance: Musical Theatre 1

THA117B - Rehearsal and Performance: Musical Theatre 2 - 6

THA118A - Rehearsal and Performance: Children's Theatre 1

THA118B - Rehearsal and Performance: Children's Theatre 2 - 4

THA119A - Rehearsal and Performance: New Works and One Acts 1

THA119B - Rehearsal and Performance: New Works and One Acts 2 - 4

TECHNICAL THEATRE IN PRODUCTION: 0

THA121A - Theatre Production 1

THA121B - Theatre Production 2 - 4

Required Electives List A - Choose one (Total 9)

Complete the following number of credits: 9

THA102 - Introduction to Stagecraft 3

THA103 - Introduction to Stage Lighting 3

THA104 - Introduction to Stage Costume 3

THA133 - Makeup for the Stage 3

<<CHOOSE EITHER THA125 INTERMEDIATE ACTING WORKSHOP OR THA215 ACTING FOR THE CAMERA>> 0

THA125 - Intermediate Acting Workshop 3

OR 0

THA215 - Acting for the Camera 3

<<CHOOSE EITHER THA225 SCRIPT ANALYSIS OR THA239 INTERCULTURAL AND WOMEN'S THEATRE OR THA240 LGBTQ+ THEATRE>> 0

THA225 - Script Analysis 3

OR 0

THA239 - Intercultural and Women's Theatre 3

OR 0

THA240 - LGBTQ+ Theatre 3

[SELECT FROM THE FOLLOWING REQUIRED CORE COURSS NOTA ALREADY USED(3 UNITS MAX) FROM THE LISTS BELOW] 0 REHEARSAL AND PERFORMANCE PRODUCTION: 0

- THA115A - Rehearsal and Performance: Drama 1
- THA115B - Rehearsal & Performance: Drama 2 - 3
- THA116A - Rehearsal and Performance: Comedy 1
- THA116B - Rehearsal&Performance: Comedy 2 - 3
- THA117A - Rehearsal and Performance: Musical Theatre 1
- THA117B - Rehearsal and Performance: Musical Theatre 2 - 6
- THA118A - Rehearsal and Performance: Children's Theatre 1
- THA118B - Rehearsal and Performance: Children's Theatre 2 - 4
- THA119A - Rehearsal and Performance: New Works and One Acts 1
- THA119B - Rehearsal and Performance: New Works and One Acts 2 - 4
- TECHNICAL THEATRE IN PRODUCTION: 0
- THA121A - Theatre Production 1
- THA121B - Theatre Production 2

Recommended Pathway
THA AA-T Sequence

Term 1	Credits
A-2 Written Communication ENGL101 - College Composition	3.0
B-2 Life Science ANTH101 - Introduction to Biological Anthropology	3.0
B-3 Laboratory Activity ANTH101L - Biological Anthropology Lab	1.0
Required Electives List A - Choose one THA104 - Introduction to Stage Costume	3.0
Total Credits	10.0
Term 2	Credits
A-3 Critical Thinking Take one of the following:	
COMM115 - Introduction to Argumentation and Debate	3.0
ENGL102 - Critical Thinking and Literature	3.0
B-4 Mathematics/Quantitative Reasoning MATH110 - Mathematics for Liberal Arts Students	3.0
D. Social Sciences ANTH102 - Introduction to Cultural Anthropology	3.0
E. Lifelong Learning and Self-Development DA108 - Dance Ensemble	3.0
Total Credits	12.0

Term 3	Credits
C-2 Humanities THA239 - Intercultural and Women's Theatre	3.0
D. Social Sciences PSY101 - General Psychology	3.0
F. Ethnic Studies Take one of the following:	
Ethnic Studies Course	3.0
ENGL257 - Ethnic Studies: Native American Studies in Literature	3.0
Total Credits	9.0
Term 4	Credits
A-1 Oral Communication COMM101 - Introduction to Public Speaking	3.0
B-1 Physical Science GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
Required Electives List A - Choose one THA133 - Makeup for the Stage	3.0
Elective General Elective	3.0
Total Credits	12.0

Program Outcomes

AA-T Theatre Arts

- Students will develop an understanding of theatre concepts, elements, and terminology.**
- Students will collaborate with others in the production of theatrical works.**
- Students will apply critical thinking skills by researching, analyzing, and interpreting dramatic literature and the theatre arts.**

Introduction to Theatre

THA101:

3.0 Units

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. (C-ID: THTR 111 or THTR 112) (UC, CSU, AVC) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

Introduction to Stagecraft

THA102:

3.0 Units

A broad based introduction to the physical stage. Included are the physical theater and organization of the modern technical theater, with a focus on the tools, materials, methods and decision-making procedures used in the creating and moving of scenery and stage properties. Also included is an introduction to the basic elements of scenic design which allows the student to develop an aesthetic understanding and an ability to make value judgments regarding the design and execution of scenic elements for theatrical productions. (C-ID: THTR 171) (UC CSU, AVC) (GE: CSU Area C1, AVC Area C)

Introduction to Stage Lighting

THA103:

3.0 Units

A broad based introduction to lighting the stage. Included are elements of physical theatre as they relate to lighting, and organization of the modern technical theatre. The course focuses on the fundamentals of electricity as it applies to the theatre technician, light sources, instruments and their components, usage of dimmers and control consoles, interconnect systems, color media and selection. These technical elements are incorporated into an introduction to the basic elements of lighting design, which allows the student to develop an aesthetic understanding and an ability to make value judgments regarding the design of theatrical productions. (C-ID: THTR 173) (UC, CSU, AVC)(GE: AVC Area C)

Introduction to Stage Costume

THA104:

3.0 Units

Students will study costume history, design, and basic construction techniques as an introduction to basic theatrical costuming. Fabrics and their various uses will be investigated. (C-ID: THTR 174) (CSU, UC, AVC)

Fundamentals of Acting

THA110:

3.0 Units

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) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

Theatre History I

THA111:

3.0 Units

The study of the history of theatre from the Origins of Theatre- East and West- through the 18th 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. (CSU, AVC)

Rehearsal and Performance: Drama

THA115A:

1.0 Units

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) (GE: AVC Area C)

Rehearsal & Performance: Drama

THA115B:

2.0 - 3.0 Units

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. The number of units awarded is based on the total time required for the assigned role or function. (C-ID: THTR 191) (UC, CSU, AVC) (R3) (GE: AVC Area C)

Rehearsal and Performance:

Comedy

THA116A:

1.0 Units

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. (C-ID: THTR 191) (UC, CSU, AVC) (R3) (GE: AVC Area C)

Rehearsal and Performance:

Comedy

THA116B:

2.0 - 3.0 Units

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. The number of units awarded is based on the total time required for the assigned role or function. (C-ID: THTR 191) (UC, CSU, AVC) (R3) (GE: AVC Area C)

Rehearsal and Performance: Musical Theatre

THA117A:

1.0 Units

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) (GE: AVC Area C)

Rehearsal and Performance: Musical Theatre

THA117B:

2.0 - 6.0 Units

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. The number of units awarded is based on the total time required for the assigned role or function. (C-ID: THTR 191) (UC, CSU, AVC) (R3) (GE: AVC Area C)

Rehearsal and Performance: Children's Theatre

THA118A:

1.0 Units

Limitation on Enrollment: Audition required. Students will participate in a departmental production, performing a role in a children's theater play or serving in a specific production-related function assigned by the director. (C-ID: THTR 191) (UC, CSU, AVC) (R3) (GE: AVC Area C)

Rehearsal and Performance: Children's Theatre

THA118B:

2.0 - 4.0 Units

Limitation on Enrollment: Audition required. Students will participate in a departmental production, performing a role in a children's theater play or serving in a specific production-related function assigned by the director. The number of units awarded is based on the total time required for the assigned role or function. (C-ID: THTR 191) (UC, CSU, AVC) (R3) (GE: AVC Area C)

Rehearsal and Performance: New Works and One Acts

THA119A:

1.0 Units

Limitation on Enrollment: Audition required. Students will participate in a departmental production, performing a role in a short play/new work or serving in a specific production-related function assigned by the director. The number of units awarded is based on the total time required for the assigned role or function. (CSU, AVC) (R3)

Rehearsal and Performance: New Works and One Acts

THA119B:

2.0 - 4.0 Units

Limitation on Enrollment: Audition required. Students will participate in a departmental production, performing a role in a short play/new work or serving in a specific production-related function assigned by the director. The number of units awarded is based on the total time required for the assigned role or function. (CSU, AVC) (R3)

Theatre Production

THA121A:

1.0 Units

A study of production techniques as they relate to an actual public performance of a theatrical production. Methods of construction, painting, assembly, and movement of scenery and properties will be covered, as will be hanging, circuiting, and focusing of lights. The strike (removal) of the sets and lights will end the public performance aspect of the class, but the class will continue learning about maintenance and storage of tools and equipment. (C-ID: THTR 192) (UC, CSU, AVC) (R3) (GE: AVC Area C)

Theatre Production

THA121B:

2.0 - 4.0 Units

A study of production techniques as they relate to an actual public performance of a theatrical production. Methods of construction, painting, assembly, and movement of scenery and properties will be covered, as will be hanging, circuiting, and focusing of lights. The strike (removal) of the sets and lights will end the public performance aspect of the class, but the class will continue learning about maintenance and storage of tools and equipment. (C-ID: THTR 192) (UC, CSU, AVC) (R3) (GE: AVC Area C)

Intermediate Acting Workshop

THA125:

2.5 Units

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) (CSU, UC, AVC)

Improvisation

THA130:

3.0 Units

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) (GE: CSU Area C1, AVC Area C)

Makeup for the Stage

THA133:

3.0 Units

Instructional materials fee required for this course and must be paid at registration. 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 makeup. Students will be encouraged to experiment and form their own designs. Lab hours include makeup crew work on college productions. (C-ID: THTR 175) (UC, CSU, AVC) (GE: AVC Area C)

Work Experience

THA199:

8.0 Units

Prerequisite: Students must be registered in at least 7 units (including the Work Experience units) and have approval of instructor supervising work experience subject area; prior to enrolling, students must attend a scheduled orientation. The Work Experience program provides supervised employment extending classroom-based learning to an on-the-job learning situation. Students meet with instructor by arrangement to discuss learning objectives, along with experiences and/or problems arising on the job. (CSU, AVC) (R3)

Acting for the Camera

THA215:

3.0 Units

Prerequisite: 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) (R1)

Audition Tech for the Actor

THA218:

3.0 Units

This class is designed to equip Theatre Arts/Acting majors and other students serious about a career as a performer with the necessary tools to audition well and become knowledgeable with the audition process as they pursue their careers in film, theatre, and television. The course will be a valuable asset to the students 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)

Fundamentals of Directing

THA220:

3.0 Units

Prerequisite: Completion of THA 101 or THA 110. 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. (CSU, UC, AVC)

Script Analysis

THA225:

3.0 Units

Students will fully explore an in-depth methodology of reading, analyzing and understanding play scripts in a variety of genres and styles intended for production. The course will further investigate techniques used to determine how to read a play for its structure, scrutinizing playwright's methods of creating theatre through plot, character and imagery, and understanding what scripts "mean" to the professional theatre artist and theatre-goer as distinct from other forms of literature. (C-ID: THTR 114) (UC, CSU, AVC) (GE: IGETC Area 3A, CSU Area C1, AVC Area C)

Intercultural and Women's Theatre

THA239:

3.0 Units

Images of women, African Americans, Hispanics, Asian Americans, Native Americans, gays and lesbians in the theater and through selected plays. This course covers the evolution of racial, ethnic and sexual stereotypes in the theater, including the racist and sexist origins of those stereotypes, and 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) (GE: IGETC Area 3B, CSU Area C2, AVC Areas C, F)

LGBTQ+ Theatre

THA240:

3.0 Units

This course will explore and examine the role and impact of the gay, lesbian, bisexual, transgender, and queer/questioning community in the theatre. By analyzing the genealogy of LGBTQ+ Theatre and Performance across political, social, and theatrical contexts, the course will cover how the works reflected society at given moments in history. While surveying the homophobic, racist, and sexist attitudes of systemic societal behavior and reactions, the course will shed light on the evolution towards inclusion, acceptance, and understanding. From archetypes vs stereotypes, to gender politics and sexual identities, to 'coming out' and the AIDS crisis, to mainstream assimilation and audience representation, the course will utilize dramatic literature, performance, and other multi-media resources. (CSU, AVC)

Vocational Nursing

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.

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.

Minimum Eligibility Requirement for Applicants:

1. Scholastic eligibility is determined by multi-screening criteria, which considers previous academic degrees, GPA in relevant science courses, and GPA in relevant course work. Relevant work experience is also used in the multi-screening process.
2. Freedom from communicable disease as verified by a licensed physician or certified nurse practitioner. Other health conditions that could impair the student's ability to perform the essential functions of a vocational nursing student safely and competently will be examined on a case-by-case basis. Please do not have the physical examination until directed to do so by the program director. Final enrollment into the nursing program will be dependent on the results of the physical examination.
3. Request for enrollment to the supervising dean on appropriate forms.
4. Completion of BIO 100, NF 100 and PSY 101

Enrollment Procedure

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. Submit the completed enrollment packet by mail in February

The packet must include:

- Verification of Prerequisites (enrollment) form.
 - One set of official (unopened) high school transcripts or GED results and college transcripts (if applicable). Another set of high school and college transcripts should be submitted to the transcript office. It is the student's responsibility to contact the high school and college(s) for official transcripts. The student should contact educational institutions early in the enrollment process. The only documents that will be accepted as proof of high school graduation are an official transcript from a high school that is approved by the State Department of Education or a nationally regional accrediting body, or an official copy of GED results, taken at an institution approved by the State Department of Education or a nationally recognized regional accrediting body.
 - Submit a copy of the Educational Planning and Evaluation form for vocational nursing completed by an AVC counselor, within one year prior to the date of submitting the enrollment form.
- 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 an enrollment packet 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 Procedure

1. Scholastic eligibility is determined by multi-screening criteria, which considers previous academic degrees, GPA in relevant science courses, and GPA in relevant course work.
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 (50.75 units):**

Course	Units
*BIOL 100, Elementary Human Anatomy and Physiology	3
*NF 100, Nutrition	3
*PSY 101, General Psychology	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	15.25
VN 122, Vocational Nursing in the Child-Bearing Family and Pediatric Patient	5.25
VN 123, Nursing Leadership and Medical-Surgical Nursing	6.75
Total 50.75	

*Students must take these courses 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.

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 50.75)**

**Complete all of the following
Prerequisites (Total 9)**

Complete all of the following

NF100 - Nutrition 3
BIOL100 - Elementary Human Anatomy and Physiology 3

PSY101 - General Psychology 3

Core Courses (Total 41.75)

Complete all of the following

VN119 - Fundamentals of Patient Care for Vocational Nurses 2.25

VN120 - Self-Care Fundamentals, Pharmacology 12.25

VN121 - Medical-Surgical Nursing for the Adult and Child 15.25

VN122 - Vocational Nursing in the Child-Bearing Family and Pediatric Patient 5.25

VN123 - Nursing Leadership and Medical-Surgical Nursing 6.75

Recommended Pathway

Prerequisites	Credits
Prerequisites NF100 - Nutrition	3.0
Prerequisites BIOL100 - Elementary Human Anatomy and Physiology	3.0
Prerequisites PSY101 - General Psychology	3.0
Total Credits	9.0
Term 1	Credits
Core Courses VN119 - Fundamentals of Patient Care for Vocational Nurses	2.25
Core Courses VN120 - Self-Care Fundamentals, Pharmacology	12.25
Total Credits	14.5

Term 2	Credits
Required Courses VN121 - Medical-Surgical Nursing for the Adult and Child	15.25
Total Credits	15.25
Term 3	Credits
Required Courses VN122 - Vocational Nursing in the Child-Bearing Family and Pediatric Patient	5.25
Core Courses VN123 - Nursing Leadership and Medical-Surgical Nursing	6.75
Total Credits	12.0

Program Outcomes

Licensed Vocational Nursing Cert

Utilize critical thinking for clinical decision making for the hospitalized patient.

Implements nursing skills for the hospitalized patient.

Fundamentals of Patient Care for Vocational Nurses

VN119:

2.25 Units

Limitation on Enrollment: Formal admission to VN Program. Prerequisites: Completion of BIOL 100, PSY 101, and NF 100. 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)

Self-Care Fundamentals, Pharmacology

VN120:

12.25 Units

Limitation on Enrollment: Formal admission to VN program. Prerequisites: Completion of BIOL 100, PSY 101, and NF 100. Corequisite: Concurrent enrollment in VN 119 (formerly known as VN 109) unless exempt. 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)

Medical-Surgical Nursing for the Adult and Child

VN121:

15.25 Units

Limitation on Enrollment: Formal admission to VN program. Prerequisite: Completion of VN 120 (formerly known as VN 110) 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)

Vocational Nursing in the Child-Bearing Family and Pediatric Patient

VN122:

5.25 Units

Limitation on Enrollment: Formal admission to VN program. Prerequisite: Completion of VN 121 (formerly known as VN 112) 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)

Nursing Leadership and Medical-Surgical Nursing

VN123:

6.75 Units

Limitation on Enrollment: Formal admission to the Vocational Nursing 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, with leadership integrated throughout the course. Emphasis will be on diseases and conditions of the cardiovascular and neurological systems, and mental health disorders. (AVC)

Water Dist. & Treatment Oper.

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.

Applied Water Treatment and Distribution Mathematics

WDTO101:

3.0 Units

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)

Water Distribution I

WDTO115:

3.0 Units

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)

Water Treatment I

WDTO120:

2.5 Units

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)

Welding

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.

Aerospace Welding

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

AFAB COURSE (Total 3)

Complete all of the following

AFAB110 - 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

WELD110 - Oxyacetylene Welding, Cutting and Brazing 2

WELD137 - Gas Tungsten Arc Welding Fundamentals 2

WELD142 - Aerospace Welding Processes 4

WELD200 - Advanced Aerospace Welding Processes 4

WELD230 - Weld Symbols and Print Read 3

Recommended Pathway

Aerospace Welding

Term 1	Credits
AFAB COURSE AFAB110 - Introduction to Aircraft Structures, Blueprints, and Manufacturing Documentation	3.0
WELD COURSES WELD110 - Oxyacetylene Welding, Cutting and Brazing	2.0
Total Credits	5.0
Term 2	Credits
WELD COURSES WELD137 - Gas Tungsten Arc Welding Fundamentals	2.0
Total Credits	2.0
Term 3	Credits
WELD COURSES WELD142 - Aerospace Welding Processes	4.0

WELD COURSES WELD230 - Weld Symbols and Print Read	3.0
Total Credits	7.0
Term 4	Credits
WELD COURSES WELD200 - Advanced Aerospace Welding Processes	4.0
Total Credits	4.0

Program Outcomes

Outcomes

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

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 24)

Complete the following number of credits: 24

- WELD110 - Oxyacetylene Welding, Cutting and Brazing 2
- WELD120 - Basic Shielded Metal Arc Welding 2
- WELD130 - Advanced Shielded Metal Arc Welding 2
- WELD145 - Advanced Welding Processes 4
- WELD212 - Performance Welding-Arc Welding Processes 4
- WELD230 - Welding Symbols and Print Reading 3
- WELD240 - Welding Layout 3
- WELD260 - Certification Welding-L.A. City Building Code 4

Recommended Pathway

Term 1	Credits
Welding Cert Take one of the following:	
WELD110 - Oxyacetylene Welding, Cutting and Brazing	2.0
WELD120 - Basic Shielded Metal Arc Welding	2.0
Total Credits	2.0
Term 2	Credits
Welding Cert Take one of the following:	
WELD130 - Advanced Shielded Metal Arc Welding	2.0
WELD230 - Welding Symbols and Print Reading	3.0
Total Credits	2.0 - 3.0
Term 3	Credits
Welding Cert Take one of the following:	
WELD145 - Advanced Welding Processes	4.0
WELD240 - Welding Layout	3.0
Total Credits	3.0 - 4.0
Term 4	Credits
Welding Cert Take one of the following:	
WELD212 - Performance Welding-Arc Welding Processes	4.0
WELD260 - Certification Welding-L.A. City Building Code	4.0
Total Credits	4.0

Program Outcomes

Welding Cert

Demonstrate proper techniques for repairing, fabricating, or cutting metal components or structures using gas welding processes.

Demonstrate proper techniques for repairing, fabricating, or cutting metal components or structures using arc welding processes.

Inspect and evaluate welds to assure that they meet industry standards.

Analyze and evaluate the welding area to assure safe work practices, proper equipment usage, and proper use of personal protective equipment.

Read and properly interpret industry standard blueprints and architectural drawings.

Welding AS

The requirements for an associate degree in Welding may be satisfied by completing 24 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 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 or Heliarc”). 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 24)

Complete the following number of credits: 24

WELD110 - Oxyacetylene Welding, Cutting and Brazing	2
WELD120 - Basic Shielded Metal Arc Welding	2
WELD130 - Advanced Shielded Metal Arc Welding	2
WELD145 - Advanced Welding Processes	4
WELD212 - Performance Welding-Arc Welding Processes	4
WELD230 - Welding Symbols and Print Reading	3
WELD240 - Welding Layout	3
WELD260 - Certification Welding-L.A. City Building Code	4

Recommended Pathway

Term 1	Credits
Welding AS WELD110 - Oxyacetylene Welding, Cutting and Brazing	2.0
Welding AS WELD120 - Basic Shielded Metal Arc Welding	2.0

Area A -Natural Sciences Take one of the following:

ANTH101 - Introduction to Biological Anthropology	3.0
ANTH101L - Biological Anthropology Lab	1.0
ASTR101 - Astronomy	3.0
ASTR101L - Astronomy Laboratory	1.0
BIOL100 - Elementary Human Anatomy and Physiology	3.0
BIOL101 - General Biology	3.0
BIOL101L - General Biology Lab	1.0
BIOL102 - Human Biology	4.0
BIOL103 - Introduction to Botany	4.0
BIOL104 - Environmental Biology	3.0
BIOL110 - General Molecular Cell Biology	5.0
BIOL120 - General Organismal, Ecological and Evolutionary Biology	5.0
BIOL201 - General Human Anatomy	4.0
BIOL202 - General Human Physiology	4.0
BIOL204 - General Microbiology	5.0
BIOL205 - Introduction to Biotechnology	3.0
CHEM101 - Introductory Chemistry	5.0
CHEM102 - Intro Chem (Organic & Biochem)	4.0
CHEM110 - General Chemistry	5.0
ELTE101 - Survey of Electronics	4.0
ERSC101 - Introduction to Earth Science	4.0
GEOG101 - Physical Geography: Earth's Surface Landscapes	3.0
GEOG101L - Physical Geography Lab: Earth's Surface Landscapes	1.0
GEOG102 - Physical Geography: Earth's Weather & Climate	3.0
GEOG102L - Phy Geog Lab: Earth's Wea&Cli	1.0
GEOL101 - Physical Geology	3.0
GEOL101L - Physical Geology Lab	1.0
GEOL102 - Historical Geology	3.0
GEOL102L - Historical Geology Laboratory	1.0
PHYS101 - Introductory Physics	4.0
PHYS102 - Introductory Physics	4.0
PHYS110 - General Physics	4.0
PHYS120 - General Physics	4.0
PHYS211 - General Physics	5.0
PSCI101 - Physical Science	4.0

Area B - Social & Behavioral Sciences**Take one of the following:**

AJ201 - Police in Society	3.0
AJ204 - Juvenile Procedures	3.0
AJ206 - Criminology	3.0
ANTH102 - Introduction to Cultural Anthropology	3.0
ANTH103 - Archaeology and World Prehistory	3.0
ANTH112 - Native North Americans	3.0
ANTH140 - Intro to Archaeology	4.0
BUS101 - Introduction to Business	3.0
CFE102 - The Developing Child	3.0
COMM217 - Gender and Communication	3.0
DFST105 - Intro to American Deaf Culture	3.0
ECON100 - Survey of Economics	3.0
ECON101 - Prin of Macroeconomics	3.0
ECON102 - Principles of Microeconomics	3.0
ECON110 - Econ of the Underclass	3.0
GEOG105 - Cultural Geography	3.0
GEOG106 - California Geography	3.0
GEOG110 - World Regional Geography	3.0
HIST101 - Western Civilization, Beg-1750	3.0
HIST102 - Western Civilization, 1750 - Present	3.0
HIST104 - Introduction to World Civilizations, from Human Beginnings Until 1500	3.0
HIST105 - Introduction to World Civilization, 1500 - Present	3.0
HIST107 - U.S. History, 1607-1877	3.0
HIST108 - U.S. History from 1865	3.0
HIST110 - African-American History, 1450-1877	3.0
HIST111 - African-American History, 1877-Present	3.0
HIST113 - Women in American History	3.0
HIST114 - History of California	3.0
HIST116 - Contemp US History: From Viet	3.0
HIST118 - American West Hist, 1806-Pres	3.0
HIST119 - History Latin American and the Caribbean	3.0
POLS101 - Amer Political Institutions	3.0

POLS103 - Comparative Government	3.0	ART103 - History of Art: Africa, Oceania and Indigenous North America	3.0
POLS200 - Intro to Political Theory	3.0	ART104 - Hist of Art in 20th Century	3.0
POLS201 - Contemporary International Relations	3.0	ART106 - History of Art: Asia	3.0
POLS202 - Ethnic Politics in America	3.0	ART110 - Drawing	3.0
POLS203 - The Judicial Process	3.0	ART113 - Painting I	3.0
PSY101 - General Psychology	3.0	ART120 - Introduction to Printmaking	3.0
PSY102 - Introduction to Alcohol and Other Drug Studies	3.0	ART132 - Introduction to Ceramics: Hand-Building	3.0
PSY201 - Introduction to Physiological Psychology	3.0	ART135 - Beginning Wheel-Thrown Ceramics	3.0
PSY212 - Human Sexuality	3.0	ART136 - Int Wheel-Thrown Ceramics	3.0
PSY230 - Social Psychology	3.0	ART137 - Advanced Wheel-Thrown Ceramics	3.0
PSY232 - Theories of Personality	3.0	ART140 - Watercolor	3.0
PSY233 - Personal and Social Adjustment	3.0	ART145 - 2-D Design Basics	3.0
PSY234 - Abnormal Psychology	3.0	ART150 - 3-D Design Basics	3.0
PSY235 - Child Psychology	3.0	ART210 - Drawing III	3.0
PSY236 - Developmental Psychology	3.0	ART213 - Painting III	3.0
SOC101 - Introduction to Sociology	3.0	CHIN101 - Elementary Chinese I	5.0
SOC105 - Mexican Amer Contemp Society	3.0	CHIN102 - Elementary Chinese 2	5.0
SOC110 - Ethnic Relations	3.0	CHIN201 - Intermediate Chinese	5.0
SOC112 - American Social Issues	3.0	CHIN202 - Intermediate Chinese	5.0
SOC111 - Issues Concepts in Aging	3.0	COMM112 - Oral Interpretation	3.0
SOC115 - Marriage and Family Life	3.0	COMM114 - Art of Storytelling	3.0
SOC116 - Sociology of Gender&Sexuality	3.0	DA101 - Dance Appreciation	3.0
SOC120 - Drugs Society Human Behavior	3.0	DFST101 - American Sign Language I	4.0
D1 - Language & Rationality - Communication and Analytical Thinking		DFST102 - American Sign Language II	4.0
Take one of the following:		DFST105 - Intro to American Deaf Culture	3.0
ENGL101 - Academic Composition	3.0	DFST106 - Intro to Deaf Education	3.0
Elective General Elective	3.0	DFST201 - Amer Sign Language III	4.0
Total Credits	14.0 - 19.0	DFST202 - Amer Sign Language IV	4.0
Term 2	Credits	ENGL102 - Critical Thinking & Literature	3.0
Welding AS WELD130 - Advanced Shielded Metal Arc Welding	2.0	ENGL111 - Creative Writing: Fiction	3.0
Welding AS WELD230 - Welding Symbols and Print Reading	3.0	ENGL112 - Creative Writing: Poetry	3.0
Area C - Humanities Take one of the following:		ENGL221 - American Literature 1400-1865	3.0
ART100 - Art Appreciation	3.0	ENGL222 - American Literature, 1865-Present	3.0
ART101 - History of Art, Prehistoric to Gothic	3.0	ENGL225 - English Literature, 800-1750	3.0
ART102 - History of Art, Renaissance to Modern	3.0	ENGL227 - English Literature, 1750-Present	3.0
		ENGL230 - World Literature 1	3.0

ENGL231 - World Literature 2	3.0	MUS231 - Piano III	2.0
ENGL235 - Shakespeare and Culture	3.0	MUS251A - Music Theory III	3.0
ENGL242 - Narrative and Culture	3.0	MUS251B - Music Theory IV	3.0
ENGL253 - African American Literature	3.0	MUS253A - Musicianship III	2.0
ENGL256 - Latinx Literature	3.0	MUS253B - Musicianship IV	2.0
ENGL257 - Native-Amer Literature	3.0	MUSC102 - History of Jazz	3.0
ENGL259 - Gender, Image, and Rhetoric	3.0	MUSC103 - History of Rock 'n Roll	3.0
ENGL265 - Film: Text and Context	3.0	MUSC107 - History of Women in Rock Music	3.0
ENGL279 - Science Fiction and Dystopian Literature	3.0	PHIL105 - Ethics: Moral Issues in Contemporary Society	3.0
FREN101 - Elementary French 1	5.0	PHIL106 - Intro to Philosophy	3.0
FREN102 - Elementary French 2	5.0	PHIL108 - Philosophy of Religion	3.0
FREN201 - Intermediate French 1	5.0	PHIL109 - World Religions	3.0
FREN202 - Intermediate French 2	5.0	PHOT107 - History of Photography	3.0
FREN203 - Advanced French	3.0	PHTC101 - Beginning Black and White Photography	3.0
FTV101 - Introduction to Film	3.0	PHTC150 - Beginning Color Photography	3.0
FTV103 - Introduction to Television	3.0	PHTC201 - Advanced Black and White Photography	3.0
FTV107 - History of Film, Pre 1950	3.0	SPAN101 - Elementary Spanish 1	5.0
FTV108 - History of Film, 1950-Present	3.0	SPAN102 - Elementary Spanish 2	5.0
FTV201 - Intercultural & Women's Film	3.0	SPAN110SS - Span for Heritage Speakers I	5.0
FTV203 - African-American Cinema	3.0	SPAN201 - Intermediate Spanish 1	5.0
FTV251 - Cont American Indep Film	4.0	SPAN202 - Intermediate Spanish 2	5.0
FTV261 - Religion and Cinema	4.0	SPAN210SS - Span for Heritage Speakers II	5.0
GER101 - Elementary German 1	5.0	SPAN220SS - Composition and Conversation	5.0
GER102 - Elementary German 2	5.0	THA101 - Introduction to Theatre	3.0
GER201 - Intermediate German 1	4.0	THA102 - Introduction to Stagecraft	3.0
GER202 - Intermediate German 2	4.0	THA103 - Introduction to Stage Lighting	3.0
HIST115 - Cultural History of Mexico	3.0	THA110 - Fundamentals of Acting	3.0
LATN101 - Elementary Latin 1	5.0	THA115A - Rehearsal and Performance: Drama	1.0
LATN102 - Elementary Latin 2	5.0	THA116A - Rehearsal and Performance: Comedy	1.0
LATN201 - Intermediate Latin	5.0	THA117A - Rehearsal and Performance: Musical Theatre	1.0
MUS101 - Music Appreciation	3.0	THA118A - Rehearsal and Performance: Children's Theatre	1.0
MUS105 - World Music	3.0	THA121A - Theatre Production	1.0
MUS111 - Fundamentals of Music (Music Theory I)	3.0	THA130 - Improvisation	3.0
MUS131 - Piano I	2.0	THA133 - Makeup for the Stage	3.0
MUS132 - Piano II	2.0	THA225 - Script Analysis	3.0
MUS151 - Music Theory II	3.0		
MUS153B - Musicianship II	2.0		
MUS185 - Concert Choir	1.0		

THA239 - Intercultural and Women's Theatre	3.0
D2 - Language & Rationality - Communication and Analytical Thinking	
Take one of the following:	
BUS113 - Business Communications	3.0
CIS101 - Intro Computer Info Science	3.0
CA103 - Intro to Computers & Dig Tech	3.0
CIS111 - Intro Programming & Algorithms	3.0
CIS161 - Introduction to C Programming	3.0
COMM101 - Intro to Public Speaking	3.0
COMM107 - Introduction to Interpersonal Communication	3.0
COMM109 - Small Group Communication	3.0
COMM112 - Oral Interpretation	3.0
COMM114 - Art of Storytelling	3.0
COMM115 - Introduction to Argumentation and Debate	3.0
COMM217 - Gender and Communication	3.0
COMM219 - Introduction to Intercultural Communication	3.0
ENGL102 - Critical Thinking & Literature	3.0
ENGL103 - Critical Thinking and Research	3.0
GEOG201 - Map Interpretation and GPS	4.0
GEOG205 - Intro Geographic Info Systems	3.0
MATH102 - Intermediate Algebra	4.0
MATH110 - Mathematics for Liberal Arts Students	3.0
MATH115 - Statistics	4.0
MATH116 - Intro to Statistics Using R	4.0
MATH120 - Math for Teachers	3.0
MATH124 - Finite Math	4.0
MATH128 - College Algebra for Liberal Arts	3.0
MATH135 - Plane Trigonometry	3.0
MATH140 - Precalculus	5.0
MATH148 - Calculus for Business and Economics	4.0
MATH150 - Calculus and Analytic Geometry	5.0
MATH160 - Calculus and Analytic Geometry	4.0
MATH220 - Linear Algebra	4.0
MATH230 - Introduction to Ordinary Differential Equations	4.0
MATH250 - Calculus and Analytic Geometry	4.0
PHIL101 - Fundamental Reasoning Skills	3.0

PHIL106 - Intro to Philosophy	3.0
PHIL110 - Introduction to Logic	3.0
PHIL201 - Critical Thinking	3.0
Elective General Elective	3.0

Total Credits 12.0 - 18.0

Term 3 Credits

Welding AS WELD145 - Advanced Welding Processes 4.0

Welding AS WELD240 - Welding Layout 3.0

E. Lifelong Learning and Self-Development
Take one of the following:

CFE102 - The Developing Child 3.0

COMM107 - Introduction to Interpersonal Communication 3.0

COMM219 - Introduction to Intercultural Communication 3.0

DA108 - Dance Ensemble 3.0

DA111 - Choreography 3.0

HD101 - College and Life Management 3.0

HD102 - Soldiers to Scholars 3.0

HD105 - Personal Development 3.0

HE101 - Health Education 3.0

HE120 - Stress Management 3.0

NF100 - Nutrition 3.0

NF103 - Prin of Food Preparation 3.0

PSY212 - Human Sexuality 3.0

PSY236 - Developmental Psychology 3.0

SOC111 - Issues Concepts in Aging 3.0

SOC116 - Sociology of Gender&Sexuality 3.0

SOC120 - Drugs Society Human Behavior 3.0

F. Ethnic Studies Take one of the following:

Ethnic Studies Course 3.0

Elective General Elective 3.0

Total Credits 16.0

Term 4 Credits

Welding AS WELD212 - Performance Welding-Arc Welding Processes 4.0

Welding AS WELD260 - Certification Welding-L.A. City Building Code 4.0

Elective General Elective 3.0

Elective General Elective 3.0

Total Credits 14.0

Program Outcomes

AS Welding

Demonstrate proper techniques for repairing, fabricating, or cutting metal components or structures using gas welding processes.

Demonstrate proper techniques for repairing, fabricating, or cutting metal components or structures using arc welding processes.

Inspect and evaluate welds to assure that they meet industry standards.

Analyze and evaluate the welding area to assure safe work practices, proper equipment usage, and proper use of personal protective equipment.

Read and properly interpret industry standard blueprints and architectural drawings.

Welding Fundamentals

WELD101:

2.0 Units

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. (AVC)

Oxyacetylene Welding, Cutting and Brazing

WELD110:

2.0 Units

Designed for the student who seeks employment in the welding industry. Instruction given in the selection and use of Oxyacetylene Welding (OAW) equipment and in the basic techniques of safely welding light gage ferrous metal in the five American Welding Society defined joint configurations and in the flat and horizontal positions. Instruction is also provided for braze welding procedures as well as hand and machine flame cutting. (AVC)

Basic Shielded Metal Arc Welding

WELD120:

2.0 Units

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. (AVC)

Advanced Shielded Metal Arc Welding

WELD130:

2.0 Units

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. (AVC)

Gas Metal Arc Welding

WELD135:

2.0 Units

2 units 4 hours weekly [1 lecture, 3 lab] 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)

Gas Tungsten Arc Welding Fundamentals

WELD137:

2.0 Units

2 units 4 hours weekly [1 lecture, 3 lab] 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. (AVC)

Aerospace Welding Processes

WELD142:

4.0 Units

4 units 8 hours weekly [2 lecture, 6lab] 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)

Advanced Welding Processes

WELD145:

4.0 Units

Prerequisite: Completion of WELD 120 and WELD 130. Designed for the student who seeks employment in the welding industry. Instruction is given in the basic techniques of safely welding steel and aluminum in the five American Welding Society defined joint configurations of flat, horizontal, and vertical positions using the process of Gas Tungsten Arc Welding (GTAW) and Gas Metal Arc Welding (GMAW). The student will make fillet and groove welds in the flat, horizontal, vertical and overhead positions using the Flux Cored Arc Welding (FCAW) process. (AVC)

Occupational Work Experience

WELD199:

1.0 - 8.0 Units

Advanced Aerospace Welding Processes

WELD200:

4.0 Units

4 units 8 hours weekly [2 lecture, 6 lab] Prerequisite: Completion of WELD 140. 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)

Performance Welding-Arc Welding Processes

WELD212:

4.0 Units

Prerequisite: Completion of WELD 120, WELD 130 and WELD 145. This course is designed for the student that seeks employment in the welding industry. Provides additional training to improve skills in all aspects of the different arc welding processes. Advanced techniques will be covered more in-depth than in previous classes. The student can improve their skills in one or all of the following processes: Shielded Metal Arc Welding (SMAW), Flux Cored Arc Welding (FCAW), Gas Metal Arc welding (GMAW) and Gas Tungsten Arc Welding (GTAW). (AVC)

Welding Symbols and Print Reading

WELD230:

3.0 Units

Advisory: Completion of WELD 145. 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. (AVC)

Welding Layout

WELD240:

3.0 Units

Advisory: Completion of WELD 230. Prerequisite: Completion of WELD 120. 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 layout tools and their application is included. (AVC)

Certification Welding-L.A. City Building Code

WELD260:

4.0 Units

Advisory: Completion of WELD 145. 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. (AVC)

Structural Flux Cored Arc Welding

WELD265:

4.0 Units

4 units 8 hours weekly [2 lecture, 6 lab] 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 student's welding skills are tested in the same manner as when they take the welding performance test for the L.A. City certification. (AVC)

Work Experience

The Cooperative Work Experience Education program provides systematic methods for students enrolled in a planned program of study to gain educational experience at a work site under realistic employment conditions.

Occupational Work Experience: An opportunity to extend occupational learning experiences through employment in a field directly related to the students occupational program.

Occupational Work Experience

WE199:

1.0 - 8.0 Units

LIMITATION ON ENROLLMENT: To participate in work experience, 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. Student must also attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation. Occupational Work Experience Education is supervised employment designed to provide students 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. Occupational Work Experience Education is supervised employment extending classroom-based occupational learning at an on-the-job learning station related to the students' educational major or occupational goal. Credit may be accrued at the rate of one to eight units per semester. For the satisfactory completion Cooperative Work Experience Education, students may earn up to a total of sixteen semester credit hours. (CSU, AVC) (R3)

Administration

Bakhit, Kathy - 2023

Assistant Superintendent/Vice-President
Academic Affairs
B.S. California State Polytechnic
University, Pomona
M.S. California State Polytechnic
University, Pomona
Ed.D. University of La Verne

Benedetti, Ron - 2018

Director, Capital Projects

Bormann, Gregory - 2017

Dean, Career Technical Education
B.A. California State University, Long
Beach
M.S. Texas A&M University - Kingsville

Brar, Shaminder - 2021

Assistant Superintendent/Vice-President,
Administrative Services
B.S. University of California, Los
Angeles
M.B.A. University of Illinois Urbana-
Champaign

Brown-Elize, Rashitta - 2017

Dean, Counseling and Matriculation
B.A. California State University,
Northridge
M.A. California State University,
Northridge
Ed.D. University of Southern California

Burgess, Rhonda - 2013

Project Supervisor, President's Office

Carlson, Bill - 2016

Manager, Instructional & Support
Services

Carter, Paige - 2021

Project Supervisor, Student Services
B.A. University of San Diego

Castillejo, Ramón - 2023

Director, CalWORKS
B.A. California State University, Long
Beach
M.A. Woodbury University

Chung, David - 2012

Custodial Supervisor, Facilities Services

Clark-Hackenberg, Debby - 2011

Director, Payroll
A.A. Antelope Valley College
B.S. California State University,
Northridge

Cleveland, Terry - 2005

Director, Risk Management and
Environmental Health
A.A. Antelope Valley College
B.S. California State University, Long
Beach
M.S. California State University,
Northridge

Conner, Daniel - 2018

Director, Enterprise Applications and
Data Protection
B.S. DeVry University

Cook, Bridget - 2020

General Counsel
J.D. Whittier Law School
B.A. University of California, Los
Angeles

Deplazes, Svetlana - 2019

Director, Institutional Research
B.S. Belarusian State University, Belarus
M.S. Belarusian State University,
Belarus
M.A. University of Delaware
Ph.D. University of Kansas

Dillon, Nate - 2004

Dean, Social & Behavioral Sciences
A.A. Antelope Valley College
B.A. California State University,
Northridge
M.B.A. California State University,
Northridge

Dioquino, Michael - 2021

Director, Technology Operations
B.S. Western Governors University
M.B.A. Western Governors University

Dumas, Wendy - 2014

Internal Auditor
B.S. Auburn University

Dwyer, Riley - 2016

Dean, Language & Communication Arts
B.A. Evergreen State College
M.F.A. California Institute of the Arts

Firth, Jim - 2020

Interim Director, Human Resources
A.A. Antelope Valley College
B.S. University of California, Riverside
M.B.A. University of California,
Riverside

Goel, Meeta - 2013

Dean, Institutional Effectiveness,
Research and Planning / Library Services
B.A. Queen's University, Canada
M.A. McGill University, Quebec
Ph.D. Texas Women's University

Gold, Allan - 2015

Supervisor, Campus Events and
Operations

Guzmán, Alejandro - 2023

Executive Director, Marketing & Public
Information B.A. California State
University, Northridge
M.A. University of Southern California

Hawkins, Ashley - 2014

Director, Learning Center
B.S. University of Phoenix
M.B.A. California State University,
Bakersfield

Heasley, Rosie - 2008

Project Supervisor, Career Technical
Education
A.A. Southern California International
College

Helsper, Lauren - 2023

Assistant Superintendent/Vice-President
Human Resources & Employee Relations
B.A. University of California, Los
Angeles
M.Ed. University of Southern California
Ed.D. University of Southern California

Johnson, Kenya - 2016

Associate Dean, Outreach Services
B.A. University of California, Los
Angeles
M.S. University of La Verne

Johnston, Sarah - 2017

Executive Director, Financial & Fiscal
Services
B.S. University of Houston-Clear Lake

Knippel, Dianne - 2015

Executive Director, Foundation
B.A. University of South Florida

Administration

Leighton, Clifford - 2016

Technical Director, Performing Arts
Theatre
A.A. Antelope Valley College

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

McClure, Patty - 2014

Director, Board and Executive Services

Miller, Harmony - 2018

Interim Executive Director, Human
Resources
B.S. University of Phoenix

Mitchell, Kathryn - 1996

Dean, Arts & Humanities
B.A. California State University, San
Bernardino
M.A. California State Polytechnic
University, Pomona

Miranda, Keina - 2013

Director, Palmdale Center & Extended
Learning
A.A. Antelope Valley College
A.S. Antelope Valley College
B.S. Los Angeles Pacific University, San
Dimas

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

Parisky, Alex - 2019

Director, Instructional Technology and
Media
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

Partee, Benjamin - 2023

Interim Dean, Kinesiology & Athletics
B.A. University of California, Berkeley
M.A. San Francisco State University
Ed.D. Argosy University

Planellas, Philip - 2016

Custodial Supervisor, Facilities Services

Rider, Van - 2008

Dean, Workforce Development &
Community Engagement
B.A. Brigham Young University
M.L.S. Indiana University
M.A. Gonzaga University

Ruff, Kendra - 2019

Director, EOPS
A.A. Antelope Valley College
B.A. California State University,
Bakersfield
M.A. The University of Arizona Global
Campus

Stanton, Robert - 2016

Supervisor, Grounds

Steffes, Tammara - 2015

Director, Financial & Fiscal Services
A.A. Antelope Valley College

Trice, Cassandra - 2023

Supervisor, Food Services
A.A. Charter College
B.A. Grand Canyon University

Trimble, LaDonna - 2007

Dean, Enrollment Services
B.A. California State University, Chico
M.A. University of California, Santa
Barbara

Williams, Nichelle - 2014

Director, Financial Aid
A.A. Antelope Valley College
A.S. Antelope Valley College
B.S. University of Phoenix
M.M. University of Phoenix

Zellet, Jennifer - 2022

Superintendent/President
B.S. Cascade College
M.Litt. University of Aberdeen
Ph.D. University of Aberdeen

Zimmerman, Jill - 2000

Dean, Student Services
B.S. Eastern Michigan University
M.S. Western Michigan University
Ph.D. University of New Orleans

Faculty

Adams, David L. - 2015

Assistant Professor, Business
B.S. California Polytechnic State
University, San Luis Obispo
J.D. Pepperdine 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

Ahad, Paul - 2007

Assistant Professor, Mathematics
B.S. University of Mustansiriyah, Iraq
M.S. University of Surrey, England
Ph.D. University of Surrey, England

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

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

Bessinger, Kaitlin - 2022

Instructor, Biology
B.S. University of California, San Diego
M.S. University of California, San Diego

Biritwum, Richard - 2016

Assistant Professor, Computer
Information 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

Bowen, Jimmie - 2014

Assistant Professor, Computer
Applications
A.S. Antelope Valley College
B.S. University of Phoenix

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

Counselor, TRIO Assistant Professor
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

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

Associate 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

Instructor, Respiratory Care
B.S.H.A. Southern New Hampshire
University

Butterworth, Patricia - 2022

Instructor, Biology
Ph.D. National University of Mexico

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, Maria - 2004

Professor, Aeronautics
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

Coleman, Lena - 2020

Instructor, Biology
B.S. California State University,
Fullerton
M.S. California State University,
Northridge

Faculty

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

Instructor, Biological Sciences
B.A. Occidental College
M.S. California State University, Northridge
Ph.D. University of California, Riverside

Cooper, Jeffery - 2007

Professor, Chemistry
B.S. University of California, Riverside
M.S. University of Missouri
Ph.D. University of Missouri

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 Phoenix

Desch, Robert - 2014

Assistant Professor, Radiologic Technology
A.S. Fresno City College
B.A. California State University, Fresno
M.A. California State University, Fresno

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

Professor, Counselor
B.S. California State University, Bakersfield
M.S. California State University, Bakersfield
Ph.D. California State University, Fresno

Engelen, Katherine - 2016

Assistant Professor, Mathematics
B.S. University of Central Arkansas
M.A. University of Houston-Clear Lake

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

Instructor, 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

Fuller, Rosa - 2007

Professor, Counselor
B.A. Yale University
M.S. University of La Verne

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

Instructor, Fire Technology

Gilroy, Lori - 2021

Instructor, Fire Technology
Certificate of Achievement Antelope Valley College
A.S. Antelope Valley College
A.S. Antelope Valley College

Ginosian, Dezdemonia - 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

Instructor, Counselor
A.A. Antelope Valley College
B.A. California State University, Northridge
M.A. California State University, Northridge
M.S. University of La Verne

Gonzalez, Rosario - 2018

Assistant Professor, Automotive Technology
A.S. Pasadena City College

Gordi, Tooraj - 2001

Assistant Professor, Mathematics
B.A. California State University, Los Angeles
M.S. California State University, Los Angeles

Gordon, Charles - 2020

Instructor, 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

Faculty

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

Instructor, 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

Instructor, 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

Associate Professor, Communication Studies
B.A. California State University, Los Angeles
M.A. California State University, Los Angeles
Ph.D. Southern Illinois University, Carbondale

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

Instructor, Welding
A.S. Antelope Valley College
L.A. City Certified Welder

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

Instructor, Political Science
B.A. Kenyon College
M.A. Fordham University

Hendrix, Cindy - 2014

Assistant Professor, Mathematics
B.A. Eastern Washington University
M.S. California State University, Northridge
Ed.D. California Lutheran 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

Humphrey, Daniel - 2002

Assistant Professor, American Sign Language/ English Interpreting
B.A. California State University, Northridge

Huntsman, Steven - 2019

Instructor, Mathematics
B.A. University of Colorado
M.A. University of Colorado
M.S. California State University, East Bay

Jackson, Dietra - 1989

Professor, Counselor
A.A. Antelope Valley College
B.A. University of California, Santa Barbara
M.A. University of California, Santa Barbara

Jacobs, Mary - 2018

Assistant Professor, Registered Nursing
B.S.N. University of Phoenix
M.S.N.Ed. University of Phoenix

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
Head Football Coach
B.S. University of Nevada, Las Vegas
M.S. Eastern Kentucky University

Jenison, Priscilla - 2008

Assistant Professor, ESL
B.A. The Master's College
M.A. California State University, San Bernardino

Jenison, Scott - 2002

Assistant Professor, ESL
B.A. Biola University
M.A. Biola 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

Faculty

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

Instructor, Communications Studies
B.A. University of California, Santa
Barbara
M.S. University of North Texas
Ph.D. Kent State University

Karlstein, Lisa - 2000

Associate Professor, Photography
B.A. Brooks Institute of Photography
M.F.A. Norwich University

Kaseforth, Nari - 2018

Assistant Professor, Communications
Studies
B.A. University of California, Los
Angeles
M.A. California State University,
Northridge

Kilayko, Maria - 2019

Instructor, Registered Nursing
B.A. Grand Canyon University
M.A. San Jose University

Kincaid, Cynthia - 1990

Professor, Multimedia
B.A. San Diego State 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. 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

Kyriakides, Chrysanthos - 2020

Instructor, Physics
B.S. Rutgers University
M.S. University of Arizona
Ph.D. University of Nevada, Las Vegas

Langner, Greg - 2020

Instructor, Communications
B.A. California State University, Los
Angeles
M.A. California State University, Los
Angeles
Ph.D. Louisiana State University

Larios-Perez, Osvaldo - 2021

Instructor, Biology
B.A. California State University,
Northridge
M.S. California State University,
Northridge

Latuno, Maria Luisa - 2018

Assistant Professor, Registered Nursing
A.S. College of the Canyons
B.S. University of the Philippines
Juris Doctor Ateneo de Manila
University School of Law
M.S. Chicago-Kent College of Law
Illinois Institute of Technology
M.S.N. California State University,
Dominguez Hills

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

Instructor, 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, Kinesiology
A.A. Antelope Valley College
B.F.A. California Institute of the Arts
M.A. Azuza Pacific University

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

Marder, Igor - 2001

Professor, Mathematics
M.S. Kiev University, Ukraine
Ph.D. Moscow University, Russia

Martin, Candace - 2000

Assistant Professor, Licensed Vocational
Nursing
B.S. California State University, Los
Angeles
M.S.N. California State University,
Dominguez Hills

Mashhour, Andrew - 2018

Assistant Professor, Mathematics
B.S. University of California, Los
Angeles
M.S. California State University, Los
Angeles

McDermott, Tina L. - 2007

Assistant Professor, Communication
Studies
B.A. California State University, Los
Angeles
M.A. 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

Faculty

McLoughlin, Peter - 2017

Assistant Professor, Mathematics
B.A. California State University, Santa Barbara
Ph.D. University of California, Riverside

Memmer, Scott - 2006

Assistant Professor, English
B.A. California State University, Northridge
M.A. University of Southern California

Meyer, Timothy - 2022

Instructor, Photography
B.A. California State University, Fullerton
M.A. California State University, Fullerton
M.F.A. Brooks Institute of Photography

Moore, Audrey - 1998

Professor, Counselor
B.A. University of Redlands
M.S. California State University, Fullerton
M.S. California State University, Northridge

Moser, Kent - 2019

Instructor, 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

Instructor, Kinesiology
B.A. Sonoma State University
M.A. West Kentucky University
Ph.D. Concordia University of Chicago

Motawakel, Rick - 2005

Associate Professor, Electronic 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

Instructor, 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

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

Padilla, Samuel - 2020

Instructor, 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

Instructor, Biology
B.A. Instituto Santa Catalina de Bolonia
Ph.D. Universidad Nacional de Tucuman

Palmetto Despain, Tamira - 2012

Assistant Professor, Disability Services Specialist
B.A. University of Albany
M.S. University of Albany

Parker, Linda - 2019

Instructor, Librarian
A.A. Antelope Valley College
B.A. Chapman University
M.L.I.S. San Jose State University

Parkinson, Elinda - 2019

Instructor, Licensed Vocational Nursing
A.A. Antelope Valley College
B.A. Chamberlain University

Peoples, Stephanie - 2022

Instructor, 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

Instructor, Administration of Justice
A.A. Los Angeles Community College
B.A. California State University, Northridge

Poorman, Gabrielle - 2021

Instructor, Business
B.S. West Texas A&M University
B.S. West Texas A&M University
M.B.A. West Texas A&M University

Quesada, Katherine - 2018

Counselor, Counseling and Matriculation
Assistant Professor, Human Development
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

Faculty

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

Rao, Harish - 2005 Assistant Professor,
Communication Studies
B.A. Eastern Michigan University
M.A. California State University, Chico

Rider, Wendy - 2022 Instructor,
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

Rivas, Ryan - 2020 Instructor,
Communication Studies
B.A. California State University, Long
Beach
M.A. Gonzaga University

Rock, Jennifer - 2022 Instructor,
Registered Nursing
A.S. Antelope Valley College
B.S.N. California State University,
Bakersfield
M.S.N. California State University,
Dominguez Hills

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

Salameh, Bassam - 2008 Assistant
Professor, Biological Sciences
B.S. Baylor University
M.S. University of the Pacific
D.P.H. University of Texas, Health
Science Center at Houston

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

Shafer, Ken - 2007
Assistant Professor, History
B.A. Oregon State University
M.A. Portland State University
Ph.D. Claremont Graduate University

Shahla, George - 2000
Professor, Biological Sciences
B.A. Damascus University, Syria
Ph.D. Leningrad University, Russia

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
Instructor, Biology
B.S. University of Guelph
M.S. California State University,
Northridge

Smith, Kimberly - 2019
Instructor, 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

Sorcelli, Bobbie - 2022
Instructor, Registered Nursing
Certificate of Achievement Antelope
Valley College
A.A. Antelope Valley College
A.A. Antelope Valley College
A.A. Antelope Valley College
A.S. Antelope Valley College
B.S.N. Grand Canyon University
M.S.N. Grand Canyon University

Stout, Wendy - 2011
Assistant Professor, Respiratory Care
B.S. California State University,
Northridge
M.A. University of Phoenix
Ed.D. University of Phoenix

Strong, Joshua - 2019
Instructor, 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

Tafarella, Santi - 2006
Professor, English
A.A. Antelope Valley College
B.A. California State University, Fresno
M.A. California State University,
Northridge

Taglianetti, Paul - 2022
Instructor, Digital Media
CA Teaching Certificate University of
San Diego
Fine Arts Certificate Otis Art College
B.S. Emerson College
M.A. Quinnipiac University

Faculty

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

Valiotis, Christos - 1997

Associate Professor, Physics/Astronomy
B.S. University of Thessaloniki, Greece
M.S. California State University, Long
Beach

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

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

Wang, Tongzhou - 2022

Instructor, Engineering
B.S. University of California, Riverside
M.S. University of California, Riverside
Ph.D. University of California, Irvine

Wanko, John - 2016

Assistant Professor, Counselor
A.A. Union County College
B.A. Kean University
M.A. Kean University

Watters, Darren - 2023

Instructor/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

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

Wishka, Cynthia - 2014

Assistant Professor, Counselor
A.S. Antelope Valley College
B.S. University of Southern California
M.S. University of La Verne

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

Zhu, Sherri Xiaoyu - 2005

Professor, Philosophy
B.E. Tianjin University, China
M.A. Jilin University, China
M.A. Concordia University, Canada
Ph.D. University of Southern California

Professor Emeritus

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 (2013)

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)

Hinds, Patricia Crosby

1975-2002, Art (2006)

Kelso, Mary L.

1977-2004, Foods/Nutrition (2007)

Knapp, John

1975-2008, Automotive Technology (2011)

Manley, Richard

1988-2008, Counseling, Psychology (2008)

Marquez, Patricia

1976-2012, Psychology, Counselor (2013)

McMahan, Robert

1970-2003, Photography and Art (2006)

Minet, Selma B., Dr.

1977-1995, Child & Family, (2007)

Pihlgren, Eva

1983-2007, Health Sciences (2010)

Ranish, Donald

1977-2008, Political Science (2008)

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)

Wengert, Martha, Dr.

1967-2003, Sociology (2006)

Williams, Dorothy

1981-2013, Instructional Resources Learning Center (2013)

Scholar in Residence

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

Classified

Aceves, Megan Paralegal, President's Office

Aguilar, Ed Systems Administrator, Information Technology Services

Alanis Romualdo, Raul Program Specialist, Outreach

Alvarado, Roxanna Financial Aid Technician I

Alvarez, Angelica Program Specialist, Child Development Center

Alvarez, Asia Clerical Assistant III, Financial Aid

Arceneaux, Burton Web Developer, Information Technology Services

Arlette, Arlette Administrative Coordinator, Palmdale Center & Extended Learning

Asher, Julian Clerical Assistant II, Counseling & Matriculation

Astorga, Paloma Program Specialist, Outreach

Azimianaraki, Ryan Clerical Assistant III, Enrollment Services

Bautista, Richard Custodian I, Maintenance and Operations

Bayers, Denise Graphic Artist, Marketing & Public Information

Becerra, Anna Records Technician, Enrollment Services

Bennett, Marisol Food Service Assistant II, Auxiliary Services

Bermea, David Laboratory Technician, Physical Sciences

Berry, Shawnnette Evaluations Coordinator, Enrollment Services

Betancourt, Ray Job Placement Specialist

Blanco Jr., Jose Clerical Assistant III, 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 Program Specialist, Second Year Experience

Brown, Jamaal Technical Analyst, CalWORKs

Brown, Rosalind Education Advisor, Counseling & Matriculation

Brown, Tyrone Grounds Irrigation Technician, Maintenance and Operations

Burke, Laura Early Childhood Instructional Specialist, Child Development Center

Burkholder, Sherri Human Resources Technician, Human Resources and Employee Relations

Burleson, Cheryl Instructional Multimedia Technical Specialist, Instructional Multimedia Center

Canilang, Baltazar Custodian I, Facilities Services

Carey, Fanny Custodian I, Maintenance and Operations

Carreon, Monica Education Advisor, Counseling & Matriculation

Cartwright, Jacqueline Financial Aid Technician II

Castro, Sylvia Payroll Specialist

Caton, Rich Web Developer, Marketing & Public Information

Cerano, Mike Lab Technician, Information Technology Services

Chambers, MarRieund Payroll Technician

Champieux, David Instructional Assistant, Aeronautical and Aviation Technology

Chavez, Ashley Veterans Program Coordinator, Student Services

Chavez, Melissa Administrative Assistant, Arts & Humanities

Chereshkoff, Christy Clerical Assistant III, Enrollment Services

Collins, Bryan Laboratory Technician, Information Technology Services

Collins, Glenn Laboratory Technician, Biology

Colosimo, Kyle Custodian I, Facilities

Combs, Darin Electrician Lead, Maintenance and Operations

Contreras, Jaime Laboratory Technician, Biology

Cook, Geary Systems Administrator, Information Technology Services

Cooper, John Grounds Maintenance Worker, Maintenance and Operations

Cooper, Teresa Warehouse Assistant, Business Services

Cordova, Robert Computer Services Technician, Information Technology Services

Corona, Marisela CalWORKs Technician I

Correa, Kim Sr. Administrative Assistant, Human Resources and Employee Relations

Covell, Kim Programmer Analyst, Information Technology Services

Cruz, Christopher Skilled Maintenance Worker, Maintenance and Operations

Classified

Cruz, Graciela Custodian I, Facilities Services

Cruz Camacho, David Clerical Assistant II, Counseling & Matriculation

Darby, Mayke "Sam" Academic Affairs Specialist

Davidson, Anita Early Childhood Instructional Specialist, Child Development Center

Davis, Elayne Clerical Assistant III, Palmdale Center & Extended Learning

Devers, Byron Sports Information Director, Kinesiology & Athletics

Diaz, Anthony Instructional Assistant, Welding

Doss, Kendra Financial Aid Technician II

Duarte, Naiby Financial Aid Technician I

Duckett III, Norris Laboratory Technician, Digital Media

Dunlap, Bryan Painter, Maintenance and Operations

Duszynski, Darryl HVAC Technician, Maintenance and Operations

Eason, Juan Financial Aid Specialist

Ebersbacher, Mark Transportation Driver, Facilities Services

Edmondson, LaTara Administrative Assistant, Enrollment Services

Elliott, Jan Clerical Assistant III, Facilities

Escobar, Vanessa Research Analyst, Institutional Research

Farris, Casey Administrative Coordinator, Palmdale Center & Extended Learning

Feldman, Joshua Program Specialist, First Year Experience

Fernandez, Sheri Senior Accounting Technician, Business Services

Fiske, Rebecca Early Childhood Instructional Specialist, Child Development Center

Ford, Pamela Program Coordinator, CalWORKs

Fregozo, Ernest Grounds Maintenance Worker, Facilities Services

Freitas, Denilson Laboratory Technician, Physical Science

Garcia, Crystal Program Specialist, Student Equity

Garcia, Daniel Financial Aid Technician I

Garcia, Randy Custodian I, Maintenance and Operations

Garcia, Tanya Evaluations Coordinator, Enrollment Services

Gayeta, Analiza Accounting Technician, Business Services

Gentz, Michelle Human Resources Technician, Human Resources

Giron, Javier Grounds Maintenance Worker Landscaper, Facilities Services

Godinez, Araseli Accounting Technician, Business Services

Goff, Una Senior Accountant, Business Services

Gonzales, Gabriela Clerical Assistant III, Student Equity

Gonzalez, Angie Education Advisor, Counseling & Matriculation

Gordon, Russell Men's Athletic Equipment Assistant, Kinesiology & Athletics

Groth, Maria Laboratory Technician, Chemistry

Guardado, Catherine Clerical Assistant III, Maintenance and Operations

Gudino, Maria Clerical Assistant III, Counseling & Matriculation

Guillermo, Rodolfo Custodian I, Maintenance and Operations

Gutierrez, Jefte Campus Events Worker, Facilities

Guzman, Marvin Auto Equipment Mechanic Lead, Facilities Services

Hall, Cherice Tutoring Specialist, Learning Center

Hanstad, Sherilyn Custodian, Maintenance and Operations

Harris, Danielle Women's Athletic Equipment Assistant, Kinesiology & Athletics

Harris, Michael Coordinator of Warehouse and Inventory, Business Services

Haynes, Taylor Administrative Assistant, Language and Communication Arts

Hernandez, Isai Clerical Assistant II, Counseling & Matriculation

Hernandez, Rosa Switchboard Operator, Marketing & Public Information

Hernandez III, Uriel Grounds Maintenance Worker, Facilities Services

Hicks, Golden Program Specialist, Student Equity

Hightower, Richelle Learning Center Specialist

Hinesley, Ann Telecommunications System Specialist, Information Technology Services

Hitchman, Andrew Library Technician

Holton, Joseph Custodian I, Facilities Services

Hudson, Scott Warehouse Assistant, Business Services

Classified

Hughes, Shane Payroll Specialist

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,
Instructional

Janiszewski, Karen Budget Analyst,
Business Services

Jones, Antonio Custodian I, Facilities
Services

Jones, Jamie Coordinator STEM Grant
and Center, Math, Science and
Engineering

Jones-Ukagba, LaShonda Clerical
Assistant II-Bond, Facilities

Jordan, Ernestine Financial Aid
Technician II

Kelly, Jerene Administrative
Coordinator, Institutional Effectiveness,
Research, Planning and Library Services

Khatib, Amanda Sr. Administrative
Assistant, Administrative Services

Kinison, Lisa Accounting Technician,
Business Services

Kirkendall, Jason Laboratory
Technician, Math

Koss, Danielle Accounting Assistant II,
Business Services

Krynen, Gregory Technical Trainer,
Information Technology Services

Landreth, Cephus "Jim" Instructional
Assistant, ACRV/Electrical

Langaman, Sheri Administrative
Assistant, Kinesiology & Athletics

Lathrop, Michele Technical Analyst,
Counseling & Matriculation

Lawson, Elizabeth Payroll Specialist

Lee, Desiree Marketing Specialist,
Marketing & Public Information

Lemley, Charles Tutoring Specialist,
Learning Center

Logan-Butler, Robin Clerical Assistant
II, Information Technology Services

Lohrman, Nicole Library Assistant

Loi, Ann Laboratory Technician,
LD/High- Tech Center, Office for
Students with Disabilities (OSD)

Lubos, Arnold Custodian I,
Maintenance and Operations

Luna, Michelle Senior Accounting
Technician, Business Services

MacConnell, Samantha Clerical
Assistant III, Language and
Communication Arts

MacMillan, Jamie Clerical Assistant III,
Arts & Humanities

Maher, Sean Custodian I, Facilities
Services

Maldonado, Joshua Computer Services
Technician, Information Technology
Services

Mardirossian, Evan Theatre Technician

Martinez, Diane CalWORKs
Technician I

Martinez, Katia Computer Services
Technician, Information Technology
Services

Martirosyan, Zarine Cashier, Business
Services

Masters, Nancy Administrative
Coordinator, Marketing & Public
Information

McCord, Maisha Administrative
Assistant, Counseling & Matriculation

McCoverly, Tye Financial Aid
Technician II

McKinstry, Olivia Clerical Assistant III,
Job Placement Center

Medina, Rudy Maintenance Worker,
Facilities

Mejia, Pedro Instructional Assistant,
Auto Body

Middleton, Maria Accountant-Bond,
Business Services

Molina, Yolanda Library Technician

Morehouse, Michele Library Assistant

Morris, Glenn Grounds Maintenance
Worker, Facilities Services

Moulton, Emily Foundation Coordinator

Negrete, Bettie Clerical Assistant III,
Social and Behavioral Sciences

Nuckolls, Doug Instructional Assistant,
Aeronautical and Aviation Technology

O'Brien, Eileen Buyer, Business
Services

O'Keeffe, Darlene Administrative
Assistant, Information Technology
Services

O'Leary, Lisa Foundation Coordinator

Ojeda, Jose Custodian I, Facilities
Services

Ojeda, Veronica Clerical Assistant III,
Business Services

Olson, Suzanne Administrative
Assistant, Math, Science and
Engineering

Orosco, Joe Plumber, Facilities Services

Otis, Susanna Instructional Assistant,
Aeronautics

Classified

Parks, Carisha Financial Aid Technician II

Patin, Anairma Human Resources Technician, Human Resources and Employee Relations

Paul, Jenell EOPS Technician II

Paul, Rieana Clerical Assistant I, Child Development Center

Pelland, Kenneth Locksmith Lead, Facilities Services

Perez, Esperanza Evaluations Coordinator, Enrollment Services

Perez, Yecenia Women's Senior Athletic Trainer, Kinesiology & Athletics

Petrin, Yvette EOPS Specialist

Pinedo, Jose Skilled Maintenance Worker, Facilities Services

Pleer, Harry Deaf Services Coordinator/Interpreter, Office for Students with Disabilities (OSD)

Preston, Gwennette Clerical Assistant III, Counseling & Matriculation

Ramirez Giraldo, Pablo Custodian I, Maintenance and Operations

Ramos, Juan Athletic Turf Maintenance Specialist, Facilities

Rasmussen, Timothy Men's Senior Athletic Trainer, Kinesiology & Athletics

Recinos, Leyla Clerical Assistant III, Career Technical Education

Remp, Maria "Vicky" Human Resources Technician, Human Resources and Employee Relations

Reyes, Erica Education Advisor, Counseling & Matriculation

Rincon Barragan, Julia Education Advisor, Counseling & Matriculation

Ritchie, Karl Skilled Maintenance Worker, Maintenance and Operations

Ritchie, Kenneth Electrician, Maintenance and Operations

Rivas, Susette Attendance Accounting Technician, Enrollment Services

Roberts, Shane HVAC Technician, Facilities Services

Rodriguez, Blanca Clerical Assistant III, Human Resources

Ruvalcaba, Maricela Learning Disabilities Testing Technician, Office for Students with Disabilities (OSD)

Saari, Wade Assessment Coordinator, Enrollment Services

Sales, Pablo Early Childhood Instructional Specialist, Child Development Center

Sanchez, Linda Financial Aid Technician II

Santiago, Sammy Custodian I, Maintenance and Operations

Santos, Marlene Financial Aid Technician I

Sawaged, Lisa Cashier, Business Services

Schottelkorb, Michele Administrative Assistant, Social and Behavioral Science

Scopetta, Filomena Custodian I, Facilities

Scribner, Alma Clerical Assistant III, Math, Science and Engineering

Serrano, Robyn Academic Affairs Specialist

Serrata, Jose Campus Events Technician, Facilities Services

Sheppard, Timothy 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

Soos, Peter HVAC Technician Lead, Maintenance and Operations

Soriano, Jose Automotive Equipment Mechanic, Facilities Services

Stanton, Sara Administrative Coordinator, S.T.A.R.

Star, Jayme Technician, Instructional Multimedia Center

Steans, Ty Coordinator, Student Equity

Stinson, Amanda Clerical Assistant III, President's Office

Stone, Nancy Mailroom/Duplication Technician, Business Services

Sumner-Gonzalez, Cheryl Administrative Assistant, CalWORKs

Tague, Ryan Custodian Lead, Maintenance and Operations

Tami, Craig Grounds Maintenance Worker, Facilities Services

Tapia, Robert Skilled Maintenance Worker, Facilities Services

Thomas, Toulonne Clerical Assistant III, Health & Safety Science

Thompson, Adam Security Systems Administrator, Information Technology Services

Thompson, Hilda EOPS Technician

Thompson, Jacklyn Tutoring Specialist, Learning Center

Traynor, Erin Career Center Coordinator

Classified

Tuss, Scott Database Administrator,
Information Technology Services

Vargas, Dawn Library Technician

Vasquez, Felix Clerical Assistant III,
Office for Students with Disabilities
(OSD)

Vasquez, Raul Custodian I,
Maintenance and Operations

Vidana, Chloe Clerical Assistant III,
First Year Experience

Villa, Theresa Clerical Assistant III,
Enrollment Services

Villarreal, Eduardo Grounds
Maintenance Worker, Maintenance and
Operations

Villarreal, Wendy Cashier, Business
Services

Virgil, Porsche Buyer, Business
Services

Walden, Robert Programmer Analyst,
Information Technology Services

Wallace, Andre Grounds Maintenance
Worker, Facilities

Waller, Sylvia Coordinator of Health
and Safety Sciences

Weber, John Computer Services
Technician, Information Technology
Services

West, Maria Library Operations &
Services Specialist

Whitaker, Kimberly Instructional
Multimedia Technical Assistant,
Instructional Multimedia Center

Wiley, Sharmaine Records Technician,
Enrollment Services

Williams, Sheryl Sr. Administrative
Assistant, Academic Affairs

Wilmes, Michael Senior Systems
Administrator, Information Technology
Services

Winn, Jennifer Clerical Assistant III,
Student Health Services

Wisdom, Cristine Clerical Assistant III,
Student Life

YingLing, John Custodian I, Facilities
Services

Youkhana, Anet Technical Analyst,
Enrollment Services

Zahnter, Richard
Mailroom/Duplication Technician,
Business Services

Zinner, Tiffani Instructional Assistant,
Aeronautics

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.

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
Veropnica Sirotzki	2022
Desiree Lee	2023

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.

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

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.

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