Spring 2024 General Catalog Addendum

This catalog Addendum encompasses changes effective January 1, 2024.

Catalog Revised 10/2023

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A public community college serving the Northern California communities of Benicia, Dixon, Fairfield, Suisun, Travis Air Force Base,
Vacaville, Vallejo, and Winters

Solano Community College Fairfield Campus

4000 Suisun Valley Road, Fairfield, CA 94534-3197 (707) 864-7000

Vacaville Center

2001 North Village Parkway, Vacaville, CA 95688 (707) 863-7836

Vallejo Center

545 Columbus Parkway, Vallejo, CA 94591 (707) 642-8188

Travis Air Force Base Center

530 Hickam Ave., Bldg. 249, Travis Air Force Base, CA 94535 (707) 424-2431

Campus Maps - Fairfield Campus



Automotive Technician

Associate in Science

Program Description

The Automotive Technician program is designed to prepare graduates for entry level employment in the automotive industry as apprentice technicians, parts specialists, service consultants, or specialists in one of the many areas in the automotive service and repair industry.

The Associate in Science can be obtained upon completion of the 45-unit major, General Education, and electives as needed to complete a minimum of 60 units. All courses in the major must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete the Automotive Technician Associate in Science will be technically proficient in entry level skills as defined by the National Automotive Technician's Education Foundation (NATEF) by demonstrating:

- 1. Demonstrate the ability to properly service and repair automotive engines, automatic and manual transmissions and transaxles.
- 2. Demonstrate the ability to properly service and repair automotive brakes, steering and suspension systems.
- 3. Demonstrate the ability to properly service and repair automotive electrical, engine performance, HVAC and hybrid/alternative fuel vehicles.
- 4. Demonstrate effective workplace skills including oral and written communication and proper disposal and handling of hazardous waste materials

REQUIRED COURSES	Units
ATEC 070 Automotive Fundamentals	3
ATEC 130 Automotive Suspension and Steering	4
ATEC 131 Automotive Electrical Systems	4
ATEC 132 Automotive Brake Systems	4
ATEC 133 Automotive Engine Repair	4
ATEC 134 Automatic Transmissions/Transaxles	4
ATEC 135 Automotive Engine Performance	4
ATEC 136 Automotive Manual Drivetrain and Axles	4
ATEC 137 Automotive Heating and Air Conditioning	; 4
ATEC 138 Automotive Electronics	4
ATEC 139 Advanced Engine Performance	4
ATEC 140 Alternative Fuel Vehicle Technologies	2
Required Major Total Units	45

Automotive Automatic Transmissions and Transaxles

Certificate of Achievement

Program Description

This program is designed to prepare graduates for entry level employment in the automotive industry as an Automatic Transmission/Transaxle Service/Repair Technician.

The Certificate of Achievement can be obtained by completing the 17-unit major. All courses must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete the Automatic Transmissions and Transaxles Certificate of Achievement will be able to:

- 1. Diagnose, remove, and repair automotive transmissions and transaxles
- 2. Utilize electrical diagnostic equipment and do hands-on testing with digital multi-meter
- 3. Safely work on and repair hybrid and alternative fuel vehicles

REQUIRED COURSES	Unit
ATEC 070 Automotive Fundamentals	3
ATEC 131 Automotive Electrical Systems	4
ATEC 134 Automatic Transmissions/Transaxles	4
ATEC 138 Automotive Electronics	4
ATEC 140 Alternative Fuel Vehicle Technologies	2
Total Units	17

Automotive Electrical and Body Systems

Certificate of Achievement

Program Description

This program is designed to prepare graduates for entry level employment in the automotive industry as an Automotive Electrical/Electronics Service/Repair Technician.

The Certificate of Achievement can be obtained by completing the 17-unit major. All courses must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete the Automotive Electrical and Body Systems Certificate of Achievement will be able to:

- 1. Understand the theory of air conditioning and heating systems and how to properly repair automotive HVAC systems
- 2. Utilize electrical diagnostic equipment and do hands-on testing with digital multi-meter
- 3. Safely work on and repair hybrid and alternative fuel vehicles

REQUIRED COURSES	Units
ATEC 070 Automotive Fundamentals	3
ATEC 131 Automotive Electrical Systems	2
ATEC 137 Automotive Heating and Air Condition	ing 4
ATEC 138 Automotive Electronics	4
ATEC 140 Alternative Fuel Vehicle Technologies	2
Total Units	17

Automotive Maintenance and Light Repair

Certificate of Achievement

Program Description

This program is designed to prepare graduates for entry level employment in the automotive industry as apprentice technicians, lube technician, express service technician or parts specialist.

The Certificate of Achievement can be obtained by completing the 17-unit automotive major. All courses in the major must be completed with a minimum grade of C or a P if the course is taken on a pass-no pass basis.

Program Outcomes

Students who complete the Automotive Maintenance and Light Repair Certificate Achievement will be able to:

- 1. Demonstrate proficiency in diagnosing and repairing automotive steering and suspension systems
- 2. Use electrical diagnostic equipment and do hands-on testing with a digital multi-meter
- 3. Proficiently diagnose, service, and repair automotive brake systems
- 4. Safely work on and repair hybrid and alternative fuel vehicles

REQUIRED COURSES	Units
ATEC 070 Automotive Fundamentals	3
ATEC 130 Automotive Suspension and Steering.	4
ATEC 131 Automotive Electrical Systems	4
ATEC 132 Automotive Brake Systems	4
ATEC 140 Alternative Fuel Vehicle Technologies	s 2
Total Units	17

ATEC - Automotive Technology

ATEC 140 2.0 Units ATEC 142 2.5 Units

Alternative Fuel Vehicle Technologies

Prerequisite: ATEC 070 may enroll concurrently

Course Advisory: ATEC 131 Non-Transferable to UC or CSU Hours: 16-18 lecture, 64-72 lab

An overview of alternative fuel vehicles including gaseous fuels such as hydrogen, natural gas, propane; alcohols such as ethanol, methanol, and butanol; vegetable and waste-derived oils; electric and gas-electric hybrid vehicle fundamentals. Topics will include safety issues associated with high voltage batteries and motor-generators, maintenance and repair of high voltage systems, drivability, inverter power transfer, and battery technologies. The course is designed in conjunction with Automotive Service Excellence (ASE) standards and prepares the student for the ASE Light Duty Hybrid/Electric Vehicle L3 certification exam.

ATEC 141 3.0 Units

Smog Check Level I

Non-transferable to UC or CSU Hours: 32-36 lecture, 64-72 lab

Provides students with fundamental knowledge of engine and emission control theory, design and operation. Students who successfully complete this training will have met the first step of the Bureau of Automotive Repair's training requirements for inexperienced or minimally experienced candidates for the Smog Check Inspector license. The training is a minimum of 68 hours and must be completed at a Bureau of Automotive Repair (BAR) certified school. To pass Level 1 training, a student must successfully complete a series of hands-on assessments and pass a written examination. (Formerly ATEC 148A)

Smog Check Level II

Prerequisite **: ATEC 141 or Experienced candidates may skip the prerequisite if they meet any of the following requirements:

Possess current ASE A6, A8, and L1 certifications; or earned AA/
AS degree in automotive technology AND 1 year documentable work experience in the engine performance area; or a Certificate in automotive technology with a minimum of 720 hours of course work that includes a minimum of 280 hours in the engine performance area AND 1 year experience in the engine performance area; or 2 years experience in the engine performance area AND completion of BAR Specified Diagnostic and Repair Training within the past 5 years; or 2 years of comparable military experience/training in the engine performance area

Non-transferable to UC or CSU Hours: 24-27 lecture, 64-72 lab

This training provides students the procedural knowledge, skills, and abilities needed to perform Smog Check inspections. Students will be introduced to the maintenance and operation of the BAR (Bureau of Automotive Repair) Smog Check Inspection equipment. The Smog Check Level II Training must be completed by all Smog Check Inspector Licensing candidates. (Formerly ATEC 148B)

ATEC 144 2.0 Units

Introduction to Light Duty Diesel

Prerequisite**: ATEC 070 (may enroll concurrently) Non-transferable to UC or CSU

Hours: 16-18 lecture, 64-72 lab

The basic design and operational parameters for light-duty diesel (LDD) engines used in passenger vehicle applications. Topics include familiarization with the light-duty diesel, safety procedures, engine service and maintenance procedures, and introduction to combustion and emission chemistry. ASE A-9 certification learning objectives are addressed in this course.

ATEC 151 3.0 Units

Automotive Parts and Service

Non-transferable to UC or CSU

Hours: 48-54 lecture

An introduction to the skills and knowledge utilized in the field of automotive parts and service consulting. This course offers preparation for the Automotive Service Excellence (ASE) C-1 and P-1 exam and certification. Topics include flow chart/diagnostic chart interpretation, parts removal/replacement, small group communication, and small business operations related to the automotive industry.

Biotechnology

Industrial Biotechnology

Certificate of Achievement

Program Description

This program prepares graduates to work in the biotechnology industry as production technicians. A production technician operates and maintains the equipment used to manufacture protein pharmaceuticals and other products. Students will grow bacterial, yeast, and mammalian cells and recover the proteins that they produce. They will follow good manufacturing practices by maintaining records in order to comply with quality assurance procedures and government regulations. Students in the program must be able to adjust their time to a flexible schedule.

The Certificate of Achievement can be obtained upon completion of the 18-24-unit major. Each course must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete the Industrial Biotechnology Certificate of Achievement will be able to:

- 1. Explain how the structure and function of protein pharmaceuticals and evaluate which protein properties a production facility can exploit to purify a particular protein from other cellular components.
- 2. In preparation to working at a biotechnology company, a successful student should be able to construct a pathway analyzing how a drug of biologic is produced by genetically engineered cells and subsequently purified.
- 3. Explain how the manufacturer of pharmaceuticals is regulated by the Food and Drug Administration and other international agencies and how quality systems assure the safety, purity, identity, consistency, potency, and stability of a product.

REQUIRED COURSESUnit	ts
BIOT 001 Principles of Biotechnology	3
BIOT 052 Business, Regulatory and quality Practices	
in Biotechnology	3
BIOT 062 Cell Culture and Protein Recovery	1
BIOT 063 Biotechnology Instrumentation:	
Quality Control & Genetic Engineering	1
Choose Option A, B or C4-10)
Required Major Total Units18-24	1

Option A	
BIO 002 Principles of Cell and Molecular Biology CHEM 001 General Chemistry I	
Option B (complete BIO 014 and 1 CHEM)	
Option B Chemistry (select one)	Unit
CHEM 010 Intermediate Chemistry	2
CHEM 012 Chemistry for the Health Sciences	5
Option C (select one course)	. Unit
BIOT 010 Introductory Biotechnology	4
BIOT 160 Basic Concents/Methods in Biotechnolog	J\/

NOTE: Prior knowledge and use of computers is advised, including word processing, spreadsheets, and databases.

CIS - Computer Information Science

CIS 061 Creating Web Pages

3.0 Units

Course Advisory: CIS 001 Transferable to CSU Hours: 48-54 lecture

Develop interactive, responsive websites utilizing a handson approach. Students will also learn to hand-code a web page and create a portfolio site using an editor.

EMS - Emergency Medical Services

EMS 110 Emergency Medical Responder

3.0 Units

Non-transferable to UC or CSU Hours: 40-45 lecture, 24-27 lab

Provides the student with the basic emergency care procedures for sick and injured victims as a first responder including but not limited to: cuts, abrasions, broken bones, trauma injuries, burns and respiratory/cardiovascular emergencies. (Formerly EMT 128)

EMS 112 7.0 Units

Emergency Medical Technician (Basic)

Prerequisite**: EMS 110 Non-transferable to UC or CSU Hours: 80-90 lecture, 96-108 lab

Based on state Emergency Medical Services Association regulations, the goal of the EMT (Basic) course is to acquire essential assessment & treatment skills for the delivery of prompt, efficient & safe pre-hospital emergency patient care. Application of these emergency care skills can minimize the risk of permanent disability to an individual. NOTE: By law, applicants for certification must be at least 18 years of age. Students must present current Basic Life Support for Healthcare Providers course completion card at the orientation meeting in order to enroll in the course.

EMS 213

0.5-1.5 Units

Emergency Medical Technician (Basic) Refresher

Prerequisite**: EMS 112 or previous EMT Refresher Non-transferable to UC or CSU

Hours: 16-18 lecture and 8-9 lab or 24-27 lecture and 16-18 lab
A review & update of EMT (Basic) course content with
an in-person lab component to ensure skills competency
to meet the requirements for EMT renewal. Based on
individual student need topics and skills may include:
legal issues (incl.HIPAA); trauma; triage; use of airway/
ventilation equipment with CPR; automated external
defibrillation (AED); patient exam (medical & trauma);
assessments & treatments for breathing, cardiovascular,
neurologic, musculoskeletal, soft tissue injury, childbirth &
environmental emergencies. Note: Course may be taken
for 1 unit/24-27 hours or 1.5 units/40-45 hours. This
course is Pass/No Pass only. May repeat every 1-2 years,
ad infinitum (as stipulated by EMSA regulations for EMT I
refresher and renewal).

English

English

Associate in Arts

Program Description

The Associate in Arts in English provides the academic and practical experience for further education in English at a four-year institution or a career in English or further education or careers in fields related to English. By completing this program, students may complete transfer requirements to the CSU system and UC system as well as public and private universities both in and out of California to pursue a Bachelor's Degree in English, English Literature or Creative Writing. A Bachelor's Degree in English may also include various emphases such as creative writing, composition/rhetoric, education, literature, or linguistics. Students who complete the A.A. in English will also satisfy the requirements for the AA-T in English. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Students will take courses in English as well as in related fields required for English majors. The English program teaches writing, critical thinking, reading, and research skills as they apply to the areas of composition, creative writing, and the analysis of literature. Course work in creative writing is presented in sequenced writing workshops and courses in literary publishing. Course work in literature explores primarily British and American writers through genre, survey, figure, and thematic courses.

The Associate in Arts in English can be obtained by completing the twenty-five (25) units for the major, General Education, and electives as needed to complete a minimum of 60 units. All courses in the major must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis

Program Outcomes

Students who complete the Associate in Arts in English will be able to:

- 1. Demonstrate an ability to compose and communicate using appropriate rhetorical patterns and writing strategies.
- 2. Demonstrate college-level reading, writing, and analytical skills.
- 3. Demonstrate an understanding of the importance and influence of literature's study of the human condition in shaping and reflecting intellectual history and cultural identity.
- 4. Demonstrate, through the study and analysis of literature from a variety of cultural or ethnic backgrounds and sexual orientations, an ability to recognize and examine assumptions about difference and social norms and an understanding of how the experience of reading literature from different perspectives can better prepare one for meaningful participation in a diverse global community.
- 5. Explore and demonstrate through creative writing and/or analytical techniques, the practice and study of diverse literatures and publishing.

English

REQUIRED COURSES	Units
The courses are listed in the suggested sequence.	
ENGL 002 Critical Thinking and	
Writing About Literature	4
Two courses from List A	6
Two courses from List B	6
Two courses from List C	6
One course from List D	3
Required Major Total Units	25
List A: (select two courses)	Units
ENGL 030 Survey of American Literature I	3
ENGL 031 Survey of American Literature II	3
ENGL 040 Survey of English Literature I	3
ENGL 041 Survey of English Literature II	3
List B: (select two courses)	Units
ENGL 006 Creative Writing 1	3
ENGL 021 Introduction to Poetry	3
ENGL 023 Introduction to the Modern Novel	
ENGL 024 Introduction to the Short Story	
Any course(s) from List A not already used	

List C: (select two courses)	Units
ENGL 007 Creative Writing II	3
ENGL 010 Creative Writing III	3
ENGL 018 Introduction to Mythology	3
ENGL 033 Multi-Ethnic Literature in America	3
ENGL 036 Multi-Ethnic Literature in America	3
ENGL 039 Introduction to LGBTQ+ Literature	
and Culture	3
ENGL 044 Introduction to Shakespeare	3
ENGL 058 Creative Writing: The Literary Magazine I	3
Any course(s) from List A or B not already used	3
List D: (select one course)	Units
ENGL 049 English Honors	3
ENGL 059 Creative Writing: The Literary Magazine I	I 3
HUMN 001 What it Means to be Human	3
Any course from List A, B, or C not already used	3

ENGL - English

ENGL 039 3.0 Units

Introduction to LGBTQ+ Literature and Culture

Prerequisite**: ENGL 001, ENGL 001E, or ENGL 001X Transferable to CSU Hours: 48-54 lecture

Introduction to the history and development of queer literature, from early explorations of queer identity in 19th Century British and American literature to the emergence of a distinct queer literary tradition, after Stonewall and the gay liberation movements of the 1970's through the present. Students will analyze texts from a range of genres—novels, plays, film, poetry, graphic novels, etc.—reflecting the varied cultural, racial, ethnic experiences that comprise queer identity.

ENGL 106 3.0 Units

Suisun Valley Writers Workshop

C-ID: ENGL 135

Prerequisite**: ENGL 001, ENGL 001E, or ENGL 001X General Education: SCC: Area D; IGETC: Area 3B; CSU: Area C2

Non-transferable to UC or CSU

Hours: 48-54 lecture

Suisun Valley Writers Workshop is an opportunity in support of the Suisun Valley Writers Conference, a two-day event which includes the study of published works in poetry and fiction, guest lectures by contemporary authors, and peer-to-peer workshops in poetry, fiction, editing, and publishing. In addition to the two-day workshop, preparatory readings and exercises will be assigned.

ETHN - Ethnic Studies

ETHN 002 3.0 Units

Introduction to Chicana/o/x and Latina/o/x Studies

Transferable to CSU Hours: 48-54 lecture

An interdisciplinary exploration of historical, sociopolitical, economic, and cultural conditions related to the Chicana/o/x and Latina/o/x population in the United States. The emphasis is on past and contemporary Chicana/o/x and Latina/o/x social movements and the intersections of race, ethnicity, class, and gender.

ETHN 003 3.0 Units

Introduction to Asian American Studies

Transferable to CSU Hours: 48-54 lecture

Interdisciplinary introduction to historical and contemporary Asian Pacific American experience.

Through an intersectional framework focusing on race/ethnicity, class and gender/sexuality, we'll explore ethnic communities, identities and related topics, including immigration and transnationalism, socioeconomic class and labor, religion and spirituality, intergenerational family, culture and media, the environment, legal and political engagement and resistance.

Film and Television

Film and Television

Associate in Arts

Program Description

This program is designed for students who are preparing to pursue a baccalaureate degree in Film Studies, as well as those interested in a career in film, television, or media production. The major will provide a basic foundation in film and television aesthetics, history, and theory, and hands-on experience in both single-camera and television studio production. Students will have the opportunity to write and produce short films and work collaboratively on film crews. This program gives students an appreciation and understanding of film, television, and digital media as works of art and mediums of communication, as well as practical experience in technical and creative aspects of media production.

The Associate in Arts can be obtained upon completion of the 19–20-unit major, general education requirements, and electives. All courses in the major must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete the Film and Television Associate in Arts will be able to:

- 1. Demonstrate knowledge of aesthetics, theory, and history of film, television, and digital media.
- 2. Conceive, structure, organize, produce, direct, film and edit to successful completion a short digital film and television program.
- 3. Conceive, structure, organize and write film and television treatments and scripts.
- 4. Critically evaluate film, television, and digital media.
- 5. View and evaluate films and television programs, providing written and verbal critiques.

REQUIRED COURSES
FTV 010 Introduction to Cinema Studies 3
FTV 015 Film Production: Beginning 4
FTV 055 Television Production: Beginning 3
FTV 013 Screenwriting: Beginning3
and
FTV 011 American Cultures in Film
or
FTV 012 Effects of Mass Media on Amercian Society 3
Advanced Production: select 3-4 units
FTV 016 Film Production: Advanced 4
FTV 056 Television Production: Advanced 3
FTV 014 Screenwriting: Advanced
Required Major Total Units19–20

FTV - Film and Television

FTV 010 Introduction to Cinema Studies

3.0 Units

General Education: SCC: Area D; IGETC: Area 3A; CSU:

Area C1

Transferable to UC/CSU Hours: 48-54 lecture

Introduction to the analysis of film and digital/electronic media. Examines the broad questions of form and content, aesthetics and meaning, and history and culture. Explores the diverse possibilities presented by cinema through an examination of a wide variety of productions, national cinemas, video forms, and film movements. Topics include modes of production, narrative and non-narrative forms, visual design, editing, sound, genre, media effects, diversity and representation, ideology and critical analysis. Written exams, screenings, and discussion are required.

FTV 011 American Cultures in Film

3.0 Units

Course Advisory: ENGL 001

General Education: SCC: Area D. F; IGETC: Area 3A; SCC Cross-

Cultural; CSU: Area C1, SCC Cross-Cultural

Transferable to UC/CSU Hours: 48-54 lecture

A media studies approach to understanding cultural diversity and intersectionality in America. Includes an examination of the social, cultural, and historical issues that shape media stereotypes and representations of ethnicity, culture, race, gender, gender identity, class, disability, and sexual orientation. Screenings of films and other media content by and/or about people of color (Asian Americans, Black/African-Americans, Latino/a/x and Hispanic Americans, Native Americans), women, persons with disabilities, LGBTQ people, and other cultural groups. Selected readings, written critical analysis, and discussion.

FTV 012 3.0 Units

Effects of Mass Media on American Society

General Education: SCC: Area E; CSU: Area D

Transferable to CSU Hours: 48-54 lecture

This course explores the technological progression of media and its effects on American society. It analyzes methods used in media to create consumers, influence change, and affect public opinion. It also evaluates media tactics and educates students so that they may become more media literate. This course welcomes students with differing opinions and open discussion that encourages diversity, equity, and inclusion.

FTV 013 Screenwriting: Beginning

3.0 Units

Transferable to CSU Hours: 48-54 lecture

Presents the fundamental principles, techniques and formats of writing for film and television, including analysis and study of professionally written scripts. Students will complete a treatment, outline, and key scenes of a professionally formatted screenplay.

FTV 014 Screenwriting: Advanced

3.0 Units

Prerequisite**: FTV 013 or presentation of a treatment or well structured story line acceptable to the instructor.

Transferable to CSU Hours: 48-54 lecture

Script writing for film and television, including dramatic structure, scene and sequence structure, character development. Each student will complete an original script for a full-length motion picture.

FTV 015 Film Production: Beginning

4.0 Units

Prerequisite**: FTV 010 (may enroll concurrently)

Course Advisory: FTV 013

Transferable to UC/CSU; UC limitation of credit: 1 course between CINA 015 and CINA 016

Hours: 48-54 lecture, 48-54 lab by arrangement

This course provides introductory and intermediate training in digital film production. This course covers the following: operation of DSLR cameras, video editing, audio editing, lighting and grip, digital recorders, rendering and exporting files. This course welcomes students with differing opinions and open discussion that encourages diversity, equity, and inclusion.

FTV 016 Film Production: Advanced

4.0 Units

Prerequisite **: FTV 015

Transferable to UC/CSU; UC limitation of credit: 1 course between CINA 015 and CINA 016

Hours: 48-54 lecture, 48-54 lab

The application of digital filmmaking principles and techniques in the production of student-produced animated, documentary, educational, experimental and/or dramatic films. Emphasis is on developing skill and creativity as a producer/director and refining basic technical competence. A final digital film project is required.

FTV - Film and Television

FTV 055 Television Production: Beginning 3

3.0 Units

Prerequisite**: FTV 012 (may enroll concurrently)
Course Advisory: FTV 013 (may enroll concurrently)

Transferable to CSU Hours: 48-54 lecture

This is a hands-on introductory TV studio production course. Students work together in a team as they are trained to operate a fully equipped professional digital TV studio and control room. Students receive broadcast training in camera operation, microphone set-up and audio mixing, lighting, video switching, directing, producing, on-camera talent and teleprompter operation. This course welcomes students with differing opinions and open discussion that encourages diversity, equity, and inclusion.

FTV 056 Television Production: Advanced 3.0 Units

Prerequisite**: FTV 055 or previous television production experience Transferable to CSU

Hours: 48-54 lecture, 16-18 lab

Advanced on-location and studio production applied to news, public affairs, and dramatic programs. Students are required to write, produce, and direct TV programs. This course welcomes students with differing opinions and open discussion that encourages diversity, equity, and inclusion.

FTV 099 Telecommunications Honors 1.0 to 3.0 Units

Prerequisite**: Completion of 24.0 units of college credit with a minimum GPA of 3.3; a minimum of 5.0 units in the discipline with a minimum grade of B; an ability to work independently; permission of the School Dean based on instructor availability.

Transferable to CSU

Hours: 48-162 lab by arrangement.

Allows the advanced student to work independent of the structured classroom environment in areas of special concern during hours set by arrangement with the instructor. Students are required to complete their independent study goals as arranged through contract with their instructor at the beginning of the semester. Students may enroll in this course up to the maximum number of units over multiple semesters.

HORT - **Horticulture**

HORT 006 4.0 Units HORT 101 3.0 Units

Identification and Ecology of Landscape Plant Materials: Summer-Fall

C-ID: AG-EH 108/L Transferable to UC/CSU Hours: 48-54 lecture, 48-54 lab

A study of the identification and uses of plants of special interest in the Summer and Fall seasons. Includes cultural and environmental needs, growth habits, and botanical nomenclature of common landscape plants adapted to local California climates. These plants are observed and studied through field lectures on SCC grounds and at other local locations.

HORT 007 4.0 Units

Identification and Ecology of Landscape Plant Materials: Winter-Spring

Course Advisory: HORT 050 Transferable to CSU Hours: 48-54 lecture, 48-54 lab

A study of the identification and uses of plants of special interest in the Winter and Spring seasons. Includes cultural and environmental needs, growth habits, and botanical nomenclature of common landscape plants adapted to local California climates. These plants are observed and

studied through field lectures on SCC grounds and at other

local locations.

Plant Propagation and Production: Summer-Fall

C-ID: AG-EH 116/L Transferable to CSU

Hours: 32-36 lecture, 48-54 lab

Introduction to plant propagation and production practices for plants grown in the Summer and Fall seasons. Handson propagation of seed and vegetative methods of plant reproduction including fertilizing, pest, and disease control. Students participate in greenhouse and nursery stock management including marketing and sales of plants. Laboratories evaluate various propagation methods.

HORT 102 3.0 Units

Plant Propagation and Production: Winter-Spring

Transferable to CSU

Hours: 32-36 lecture, 48-54 lab

Introduction to plant propagation and production practices for plants grown in the Winter and Spring seasons.

Hands-on propagation of seed and vegetative methods of plant reproduction including fertilizing, pest, and disease control. Students participate in greenhouse and nursery stock management including marketing and sales of plants. Laboratories evaluate the various propagation methods.

HSW - Human Services and Social Work

HSW 001

3.0 Units

Introduction to Human Services and Social Work

Course Advisory: HSW 082; Recommended to enroll concurrently to use the knowledge and skill set in the field to serve diverse consumers.

General Education: SCC: Area E; CSU: Area D

Transferable to UC/CSU Hours: 48-54 lecture

Explore the history and purpose of Human Services and Social Work, while honing skills needed to provide culturally responsive services to diverse populations in areas such as mental and behavioral health, social welfare, developmental services, criminal justice, chemical dependency and child, adult and elder care. Political and economic aspects, inclusive of roles and functions of local human services and social work agencies systems, and the impact of intersectionality and inequities will be examined.

HSW 082 Serving Diverse Populations

3.0 Units

Course Advisory: HSW 001; Recommended to enroll concurrently to use the knowledge and skill set in the field to serve diverse consumers.

General Education: SCC Area F, SCC Cross-Cultural

Transferable to CSU Hours: 48-54 lecture

Explore the values, strengths, challenges, concerns and needs of diverse populations including, but not limited to, age, gender, ethnicity, socioeconomic status, physical or psychiatric (dis)ability, sexual orientation, and chemical dependency characteristics. Students have the opportunity to gain insight, knowledge and skills necessary to provide culturally responsive services when working with diverse populations in Human Services and Social Work settings. The impact of intersectionality, bias, and inequities are examined.

HSW 083 Introduction To Case Management 3.0 Units

Prerequisite **: HSW 001

Course Advisory: Recommended to enroll in HSW 083 before or concurrently with COUN 064 to use the knowledge and skill set in the field to serve diverse consumers.

Transferable to CSU Hours: 48-54 lecture

Students will be acquainted with the traditional basic concepts and skills of case management. Students will learn the history and purpose of case management and legal and ethical considerations to consider when providing culturally responsive case management services. Varied opportunities are provided to practice assessment, service planning, completing referrals, monitoring services, and closing a case. Students learn about careers in case management, apply helping skills, and increase their resources and community collaborations. The impact of intersectionality and inequities are examined.

Nursing

REQUIREMENTS FOR ADMISSION TO THE PROGAM

- 1. Graduation from an accredited high school in the United States or successful completion of the General Education Development (GED) or California High School Proficiency Exam (CHSPE) per requirements of the Nurse Practice Act, Title 16, California Code of Regulations, Section 1412, prior to time of application.
 - Applicants with a high school diploma from a school outside the United States must have transcripts evaluated by a National Association of Credential Evaluation Service (NACES) approved independent agency.
 - Applicants who possess an Associate or Arts/ Associate of Science degree or higher from a regionally accredited college in the U.S. are exempt from the educational requirements stated above.
 - Applicants who have attended college outside the United States must have transcripts evaluated by a NACES approved independent agency, demonstrating equivalency to an AA/AS degree or higher from a U.S. regionally accredited college.
- 2. A Composite Score of 73% or greater. This is calculated using the applicant's College GPA, Core Biology GPA, English GPA and the applicant's Core Biology Repetitions (This includes grades of D or less and W's on the applicant's transcript).
- 3. Completion of Registered Nursing Program Prerequisites

REGISTERED NURSING PROGRAM PREREQUISITES

A minimum grade of C in the following pre-major and general education courses

BIO 004 Human Anatomy	
BIO 005 Human Physiology	
BIO 014 Principles of Microbiology	4
NUTR 010 Nutrition	3
NURS 052 Pharmacology for Nursing	3
PSYC 001 Introduction to Psychology	3
English (select one course)	Units
ENGL 001 College Composition	4
ENGL 001E College Composition for	
Non-native English Speakers	5
ENGL 001X College Composition with Support	
Developmental (select one course)	Units
Developmental (select one course) CDFS 070 Lifespan Human Development	
	3
CDFS 070 Lifespan Human Development PSYC 006 Developmental Psychology	3 3
CDFS 070 Lifespan Human Development	3 3 Units
CDFS 070 Lifespan Human Development	3 3 Units 3
CDFS 070 Lifespan Human Development	3 3 Units 3
CDFS 070 Lifespan Human Development	3 3 Units 3
CDFS 070 Lifespan Human Development	3 Units 3 ; 3 ; 3
CDFS 070 Lifespan Human Development	3 Units 3 ; 3 ; 3
CDFS 070 Lifespan Human Development	3 Units 3 ; 3 ; 3

Complete all general education requirements (SCC GE, IGETC, or CSU) or hold an Associates or Bachelors degree from a regionally accredited institution in the United States.

- 4. Students are required to take the "Test of Essential Academic Skills (TEAS)" developed by the Assessment Technologies Institute. A minimum passing composite score of 62% is required within the first two (2) attempts. Further information can be found on the *www.atitesting.com* website regarding TEAS preparation, registration and testing.
- 5. First-time applicants are strongly encouraged to meet with an SCC counselor before August of the application year to obtain a *Nursing Pre-Major and General Education Requirement Check Sheet* and document completion of all eligibility requirements. Call (707) 864-7101 or go online to schedule an appointment.

For additional Application and Acceptance Information go to https://welcome.solano.edu/nursing/

Photography

Photography, Professional

Certificate of Achievement and Associate in Arts

Program Description

Pre-employment training in professional photography is designed to prepare students for self-employment and employment in the private and public sectors and covers a broad spectrum of photographic fields, e.g., advertising illustration, industrial, portraiture, medical, commercial, photojournalism, and landscape.

The Certificate of Achievement can be obtained upon completion of the 24-unit major. The Associate in Arts Degree can be obtained by completing the 24-unit major, General Education, and electives as needed to complete a minimum of 60 units. All courses for this major must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete the Photography, Professional Certificate of Achievement/Associate Degree will be able to:

- 1. Demonstrate full knowledge of the technical aspects of photography, including camera operations, exposure, lighting, and post-production, including software applications and printing.
- 2. Integrate conceptual elements with aesthetic and technical skills to create cohesive and memorable photographs.
- 3. Conceive and produce a coherent portfolio of original work that meets department and professional industry standards.
- 4. Demonstrate an understanding of, and sensitivity towards, historical and contemporary issues of equity, race, and representation in the photo industry.

REQUIRED COURSES	Units
PHOT 029 Introduction to Photography	3
PHOT 032 Introduction to Digital Imaging	
for Photographers	3
PHOT 151 Professional Photography:	
Genres and Studio Practices	3
PHOT 156 Portfolio Development	3
6 units from List A	6
6 units from List B	6
6 units from List B Required Major Total Units	
	24
Required Major Total Units	24 Units
Required Major Total Units List A: (select 6 units)	24 Units
Required Major Total Units List A: (select 6 units) PHOT 152 Professional Photography: Portraiture	24 Units
Required Major Total Units List A: (select 6 units) PHOT 152 Professional Photography: Portraiture PHOT 153 Professional Photography: Product,	24 Units
Required Major Total Units List A: (select 6 units) PHOT 152 Professional Photography: Portraiture PHOT 153 Professional Photography: Product, Advertising, and Editorial	24 Units 3

List B (select 6 units)U	nits
Any course not used for List A	3
DMA 065 Exhibition Design	3
PHOT 030A Black and White Darkroom Photography:	
Beginning	3
PHOT 030B Black and White Darkroom Photography:	
Intermediate	3
PHOT 031 Photography Concepts and Projects	3
PHOT 033 Intermediate Digital Imaging for	
Photographers	3
PHOT 035 Art of Photography	3
PHOT 040 Alternative Photography	3
PHOT 045 Introduction to Filmaking for Photographe	rs 3
PHOT 046 Intermediate Filmaking for Photographers.	3
PHOT 056 Photojournalism and Documentary	
Photography	3
PHOT 158 Photo Illustration	3
PHOT 161 Workshop: Camera Intensive	1
PHOT 162 Workshop: Portraiture Intensive	1
PHOT 163 Landscape and Nature Photography	1
PHOT 164 Digital Printing for Photographers	1
PHOT 165 Workshop: Lighting on Location	1

PHOT - Photography

PHOT 030A 3.0 Units

Black and White Darkroom Photography: Beginning

Transferable to UC/CSU
Hours: 32-36 lecture, 48-54 lab

A hands-on introduction to black and white film photography, including 35mm film camera operation, exposure and controls, composition and history. Darkroom techniques, and the safe and effective use of materials and equipment will be emphasized. Attention will be paid to issues of race and representation in photography. Student will have access to the film development area and the darkroom, and will be able to borrow a film camera for use in the course.

PHOT 030B 3.0 Units

Black and White Darkroom Photography: Intermediate

Transferable to UC/CSU

Hours: 32-36 lecture, 48-54 lab

Students in the course will deepen their understanding of the photographic process and refine their skills in the traditional darkroom in order to create impactful and expressive prints. Topics will include next-level film development and printing techniques. Learn how to create a cohesive portfolio of prints that express their personal vision. Issues of equity and representation will be covered. Student will have access to the film development area and the darkroom, and will be able to borrow a film camera, including different formats such as medium and large, for use in the course.

World Languages

Foreign Languages, General

Associate in Arts

Program Description

This program introduces the fundamentals of language learning (listening, speaking, reading, writing, and culture) with emphasis on language production, grammar, syntax, vocabulary acquisition, and exposure to the culture. This program provides study in more than one language.

The Associate in Arts can be obtained by completing a minimum of 20 units from the major in the two different languages, General Education, and electives as needed to complete a minimum of 60 units. All courses in the major must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete the Foreign Languages, General Associate in Arts will be able to:

- 1. Converse in an intermediate level in two or more languages: American Sign Language (ASL), French, or Spanish
- 2. Demonstrate grammatical and semantic proficiency in paragraph or narrative mode (for ASL) at the intermediate-low level.
- 3. Understanding of cultural and community differences

REQUIRED COURSESUnits

Select a minimum of 20 units combined from the different
languages.
American Sign LanguageUnits
ASL 001 American Sign Language 1 3
ASL 002 American Sign Language 2 3
ASL 003 American Sign Language 33
ASL 004 American Sign Language 4
ASL 005 American Deaf Culture
ASL 006 Linguistics of American Sign Language 3
ASL 052 Fingerspelling, Classifiers, and Numbers 3
ASL 053 Introduction to American Sign Language Interpreting
ASL 054 ASL Interpreting Seminar 2
and
ASL 057 ASL Interpreting Field Work 1
French
FREN 001 First Semester French5
or
FREN 031 First Semester French, Part 1
and FREN 022 First Competer Franch Port 2
FREN 032 First Semester French, Part 2 3
FREN 002 Second Semester French
FREN 003 Third Semester French
FREN 004 Fourth Semester French
FREN 011 Conversational French
FLNG 101 Cross Age Teaching 2
and
OCED 090 Occupational Work Experience 1

Spanish	Units
SPAN 001 First Semester Spanishor	5
SPAN 031 First Semester Spanish, Part 1and	3
SPAN 032 First Semester Spanish, Part 2	3
SPAN 002 Second Semester Spanishor	5
SPAN 033 Second Semester Spanish, Part 1and	3
SPAN 034 Second Semester Spanish, Part 2	3
SPAN 003 Third Semester Spanish	5
SPAN 004 Fourth Semester Spanish	5
SPAN 011 Conversational Spanish	
FLNG 101 Cross Age Teachingand	2
OCED 090 Occupational Work Experience	1
Required Major Total Units	20

**All Prerequisite courses must be completed with a minimum grade of C, or a P if taken on a Pass/No Pass basis, unless otherwise noted To look up current section offerings and CRNs visit the Class Finder. To register for classes log in to MySolano

World Languages

Foreign Languages, Individual (American Sign Language, French, or Spanish)

Associate in Arts

Program Description

This program introduces the fundamentals of language learning (listening, speaking, reading, writing, and culture) with emphasis on language production, grammar, syntax, vocabulary acquisition, and exposure to the culture. This program requires study be accomplished in one language only.

The Associate in Arts in American Sign Language, French, or Spanish can be obtained by completing a minimum of 18 units in one of the languages, General Education, and electives as needed to complete a minimum of 60 units. All courses in the major must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete the Foreign Languages, Individual Associate in Arts will be able to:

- 1. Converse at an intermediate-mid level in one language: American Sign-Language (ASL), French, or Spanish
- 2. Demonstrate grammatical and semantic proficiency in paragraph or narrative mode (for ASL) at the intermediate-mid level in one language: American Sign Language (ASL), French, or Spanish
- 3. Demonstrate understanding of cultural and community differences

REQUIRED COURSES	
American Sign Language (select 18 units)	Units
ASL 001 American Sign Language 1	
ASL 002 American Sign Language 2	
ASL 003 American Sign Language 3	
ASL 004 American Sign Language 4	
ASL 005 American Deaf Culture	
ASL 006 Linguistics of American Sign Language	
ASL 052 Fingerspelling, Classifiers, and Numbers	3
ASL 053 Introduction to American Sign Language	_
Interpreting	
ASL 054 ASL Interpreting Seminar	2
and	
ASL 057 ASL Interpreting Field Work	1
French (select 18 units)	Units
FREN 001 First Semester French	5
or	
FREN 031 First Semester French, Part 1	3
and	
FREN 032 First Semester French, Part 2	3
FREN 002 Second Semester French	5
FREN 003 Third Semester French	
FREN 004 Fourth Semester French	
FREN 011 Conversational French	
FREN 012 Intermediate French Conversation	3
FREN 049 French Honors	1-3
FLNG 101 Cross Age Teaching	2
and	
OCED 090 Occupational Work Experience	1

Spanish (select 18 units)	Units
SPAN 001 First Semester Spanishor	5
SPAN 031 First Semester Spanish, Part 1and	3
SPAN 032 First Semester Spanish, Part 2	3
SPAN 002 Second Semester Spanishor	5
SPAN 033 Second Semester Spanish, Part 1 and	3
SPAN 034 Second Semester Spanish, Part 2	3
SPAN 003 Third Semester Spanish	5
SPAN 004 Fourth Semester Spanish	5
SPAN 011 Conversational Spanish	3
SPAN 049 Spanish Honors	
FLNG 101 Cross Age Teachingand	2
OCED 090 Occupational Work Experience	1
Required Major Total Units	18

Consult with your <u>counselor</u> for guidance on custom course pathway

^{**}All Prerequisite courses must be completed with a minimum grade of C, or a P if taken on a Pass/No Pass basis, unless otherwise noted To look up current section offerings and CRNs visit the **Class Finder**. To register for classes log in to **MySolano**

American Sign Language

ASL/English Interpreter Training

Certificate of Achievement and Associate in Arts

Program Description

The ASL program provides a foundation of interpreting skills for students seeking to transfer to a four-year institution in order to become an interpreter. The coursework presents American Sign Language in a cross-cultural context, addressing the ethics and standards expected of a professional interpreter.

The Certificate of Achievement can be obtained upon successful completion of the 27-unit major. The Associate in Arts can be obtained upon completion of the major, General Education, and electives as needed to complete a minimum of 60 units. All courses in the major must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete the ASL/English Interpreter Training Certificate of Achievement/Associate in Arts will be able to:

- Sign effectively, using appropriate skills, in working with the Deaf and Hard of Hearing.
- 2. Demonstrate an understanding of Deaf culture, and the ethics and standards of professional ASL environment.

REQUIRED COURSES	Unit
ASL 001 American Sign Language 1	3
ASL 002 American Sign Language 2	3
ASL 003 American Sign Language 3	3
ASL 004 American Sign Language 4	3
ASL 005 American Deaf Culture	3
ASL 006 Linguistics of American Sign Language	3
ASL 052 Fingerspelling, Classifiers, and Numbers	3
ASL 053 Introduction to American Sign Language	
Interpreting	3
ASL 054 ASL Interpreting Seminar	2
and	
ASL 057 ASL Interpreting Field Work	1
Required Major Total Units	27

ASL - American Sign Language

ASL 054 ASL Interpreting Seminar

2.0 Units

ASL 057 ASL Interpreting Field Work

Prerequisite**: ASL 003

Corequisite: ASL 057 Transferable to CSU Hours: 32-36 lecture

Weekly seminars will explore how ASL interpreters learn discourse mapping, a systematic approach for analyzing content to produce successful, effective interpretations. Through a co-requisite of ASL 057 students will work in a real world environment to practice the techniques discussed in class.

Corequisite **: ASL 054 Transferable to CSU Hours: 48-54 lab

Experience within the field working with local Deaf individuals as well as qualified ASL interpreters. This course provides students with an in depth look at the lives of individuals in our Deaf community and allows students to observe a variety of real world interpreting experiences. In this course, students will work with a Deaf and interpreting mentor focusing on improving their expressive and receptive ASL fluency, building their ASL interpretation skills, and learning the role and function of a professional ASL interpreter.

1.0 Unit