

Ethnic Studies

Fine & Applied Arts/Behavioral Sciences Division

Program Description

This major is an interdisciplinary program which provides an opportunity for students to pursue organized studies of minority groups in American Society and to foster and expand general understanding of these groups. The courses allow for a wide latitude of study to meet a variety of interests with courses which fulfill competence in and an understanding of the unique contributions of American ethnic groups; interpretation of American ethnic culture as manifested in its history, its literature, and its social, economic, political, and philosophical development. (The course descriptions may be found under the appropriate disciplines.)

Associate in Arts Degree

The Associate in Arts Degree can be obtained by completing a total of 60 units, including the required courses in one of the majors listed below, the general education requirements, and electives.

Required Courses

African-American Studies

	Units
ENGL 33—Intro. Survey/ Black American Lit.	
OR	
ENGL 34—The Black Novel/Drama in America	3
SOCSC 28—Intro to African Studies	3
HIST 28 or 29—African-American History	3
SOCSC 22—Ethnic, Racial, and Minority Group Relations in Harmony and Conflict	3
SOCIO 23—Sociology of African-Americans	
OR	
SOCSC 23—The African-American Family	3
Any course listed in any Ethnic Studies major	<u>3</u>
	18

Asian-American Studies

	Units
ENGL 37—Asian Literature	3
HIST 32—History of the Philippines	3
SOCSC 22—Ethnic, Racial, and Minority Group Relations in Harmony and Conflict	3
SOCSC 26—Filipino-American Experience	3
Any courses listed in any Ethnic Studies Major	<u>6</u>
	18

Latino Studies

	Units
ENGL 35—Intro. to Chicano Literature	3
SOCSC 22—Ethnic, Racial, and Minority Group Relations in Harmony and Conflict	3
SOCSC 25—Mexican-American Experience	3
SPAN 1 or 2 or 3 or 4 (one course) (5 units)	
OR	
HIST 30—History of Mexico (3 units)	
OR	
HIST 31— Mexican-American History (3 units)	3-5
Any courses listed in the Ethnic Studies Program	<u>6</u>
	18-20

Native-American Studies

	Units
ENGL 32—Native American Literature	3
HIST 25—Intro to Native America Studies	3
SOCSC 22—Ethnic, Racial, and Minority Group Relations in Harmony and Conflict	3
SOCSC 27—Native American Experience	3
Any courses listed in any Ethnic Studies Major	6
	18

Ethnic Studies Combination

	Units
AMST 1 or 2—An Interdisciplinary Study of American Culture	3
SOCSC 22—Ethnic, Racial, and Minority Group Relations in Harmony and Conflict	3
SPAN 1, 2, 3, or 4 (one course)	5
Electives selected from the following list	<u>12</u>
	23

Select 12 units from the following (all 3-unit courses):

ENGL 32—Native American Literature
ENGL 33—Intro. Survey of Black-American Lit.
ENGL 34—Black Novel & Drama in America
ENGL 35—Intro. to Chicano Literature
ENGL 36—Survey of Amer. Multi-Ethnic Lit.
HIST 25—Intro to Native American Studies
HIST 28 or 29—African-American History
HIST 30—History of Mexico
HIST 31—Mexican-American History
HIST 32—History of the Philippines
MUSIC 7—Jazz and Popular Music in America:
Ragtime to Rock
PSYCH 24—Psych. of African-Americans
SOCIO 23—Sociology of African-Americans
SOCSC 25—Mexican-Amer. Exper.
SOCSC 26—Filipino-Amer. Exper.
SOCSC 27—Native-Amer. Exper.

Recommended Electives for all Ethnic Studies Programs

AMST 1, 2
ANTH 2
COUN 55
ENGL 32, 37
ENGL 48 (Topics dealing with ethnic groups)
HIST 30
JAPAN 101, 102
PHLOS 31, 32
POLSC 5
SOCSC 28, 48 (Topics dealing with ethnic groups)
SOCIO 2
SPAN 25
TAG 101, 102
THEA 13

- FASHD 65** **1 Unit** **FASHD 152** **1, 2, or 3 Units**
Alterations and Fit in Ready-to-Wear
Course Advisories: SCC minimum English and math standards. The study of alterations and fit in ready-to-wear clothing. Restyling, marking, costing and construction techniques will be applied to men, women and children's clothing. Evaluation will be based on written examinations, garment alterations, and classroom participation. *One-half hour lecture, one and one-half hour lab.*
- FASHD 66** **4 Units**
Fashion Design by Flat Pattern and Draping
Course Advisories: SCC minimum English and math standards. The creation of fashion design through flat pattern and draping. Evaluation is based on written examination, design notebook, garments constructed, class participation. Repeatable 1 time. *Three hours lecture, three hours lab.*
- FASHD 67** **.5 Unit**
Designing Children's Clothes
Course Advisories: SCC minimum English and math standards. The study of clothing design for children. Evaluation is based on classroom participation and written examinations. *Eight hours total for the semester.*
- FASHD 68** **3 Units**
CAD in Apparel Design
Course Advisories: SCC minimum English and math standards and computer experience. Teaches the use of the computer in apparel design. Students will create patterns for a size range, develop and print a production cutting marker. *Two hours lecture, four hours lab.*
- FASHD 100** **.5 Unit**
Fashion I
An intensive, short-term course for professionals and students who wish to learn about recent research and developments in design and production methods. *Eight hours total for the semester.*
- FASHD 104** **3 Units**
Beginning Clothing Construction
Course Advisories: SCC minimum English and math standards. The study of clothing construction techniques for students with little or no experience in sewing. Evaluation is based on written examinations, construction skills, and classroom participation. *Two hours lecture, three hours lab.*
- Special Clothing Projects**
The study of specialized areas of clothing construction including stage costume, historical costume, flat pattern design, tailoring and adaptive sewing techniques for persons with physical or learning limitations. An optional-units, individually contracted course. Students contract to spend 34 hours in the classroom completing their contract goals for 1 unit, 68 hours in the classroom for 2 units, and 85 hours in the classroom for 3 units. Evaluation is based upon written examinations, clothing project, and classroom participation. May be repeated to a maximum of 9 units, including initial enrollment. *Two hours lecture, three hours lab.*

Fashion Merchandising

Fine & Applied Arts/Behavioral Sciences Division

Program Description

An inter-departmental program offering a two-year curriculum. Graduates may elect to continue their studies at a four-year school or enter the industry directly. The graduate with a major in Fashion Merchandising should expect an entry level training position leading toward goals such as assistant buyer, display director, department manager, fashion coordinator, or store owner. Both full and part-time study options are available.

Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained by completing the 30-31-unit major listed below. The Associate in Science Degree may be obtained by completing a total of 60 units, including the major, the general education requirements, and electives.

Required Courses

	Units	FASHD 60—Clothing Selection	
FASHM 53—Fashion Merchandising	3	OR	
FASHM 54—Visual Merchandising	3	INTDS 50—Interior Design	3
FASHM 56—Fashion Buying & Department Management Procedures	3	MKT 171—Marketing	
FASHM 57—Fashion Sales Promotion	3	OR	
FASHM 59—Fashion Coordination	3	ECON 1—Principles of Economics	3
BUS 181—Business Mathematics (3 units)		MKT 174—Retail Merchandising	
OR		OR	
ACCT 1—Prin./Accounting-Fin. (4 units)	3-4	BUS 5—Introduction to Business	3
FASHD 31—Textiles	3		30-31
		Recommended Electives:	
		ART 58	
		FASHM 55	
		OCCED 90, 91	

<p>FASHM 53 3 Units</p> <p>Fashion Merchandising <i>Course Advisory: SCC minimum English standard. An introduction to the field of Fashion Merchandising and the function of same at all levels of the fashion business. Reading of the text and trade publications plus a survey of merchandising applications in design, manufacturing, retailing, and sales promotion of fashion goods are required. Three hours lecture.</i></p>	<p>FASHM 56 3 Units</p> <p>Fashion Buying and Department Management Procedures <i>Course Advisories: SCC minimum English and math standards. Covers the buying and management practices, procedures, activities, consideration and techniques that are involved in the management of fashion departments and the purchasing of fashion merchandise. Designed to prepare future department managers, small store owners, and applicants to executive level training programs in all types of retail businesses specializing in fashion apparel and/or related items. Three hours lecture.</i></p>
<p>FASHM 54 3 Units</p> <p>Visual Merchandising <i>Course Advisories: SCC minimum English and math standards. An introduction to the visual presentation of fashion merchandise as a sales promotion tool. Content includes the principles of design, color and lighting. Emphasis is given to materials, props, equipment, and fixtures used in both window and store interior display. Three hours lecture.</i></p>	<p>FASHM 57 3 Units</p> <p>Fashion Sales Promotion <i>Course Advisory: SCC minimum English standard. An overview of the techniques involved in the promotion of fashion merchandise. Covers the specific areas of personal selling, fashion advertising and fashion show production. Three hours lecture.</i></p>
<p>FASHM 55 1 Unit</p> <p>Visual Merchandising Lab <i>Prerequisite: FASHM 54 (may be taken concurrently). Involves the application of visual merchandising theory as this relates to designing, developing and building a variety of displays. Interior as well as window displays are completed. Beginning students complete basic displays that are simple to execute. Intermediate and advanced students complete displays which require an increased level of proficiency and expertise to plan and execute. Repeatable 2 times. Three hours lab.</i></p>	<p>FASHM 59 3 Units</p> <p>Fashion Coordination Involves the coordination of all aspects of sales promotion activities that may be used by a manufacturer or retailer. Students must develop a coordinated promotional package that includes advertising, display, a fashion show and special events. <i>Three hours lecture.</i></p>

Film and Television

Fine & Applied Arts/Behavioral Sciences Division

Program Description

This program is designed to provide fundamental theory and practical experiences required for a career in film and/or television .

Associate in Arts Degree

The Associate in Arts Degree can be obtained upon completion of a total of 60 units, including the 18-unit major, the general education requirements, and electives.

Required Courses

	Units	Recommended Electives:
CINMA 10—The Art of the Cinema	3	ART 10
CINMA 15—Film Production	3	CINMA 11
TV 50—Survey of Broadcasting	3	JOURN 11
TV 55—Beginning Television Production	3	MUSIC 8
TV 56—Advanced Television Production		PHOTO 30
OR		SPEECH 15
CINMA 16—Film Production	3	THEA 1, 2, 10, 48, 50, 98
TV 60—Television & Film Writing	3	TV 61, 98, 99
	18	

Cinematography

CINMA 10 3 Units

The Art of the Cinema

Course Advisory: SCC minimum English standard. An introduction to film history, aesthetic principles and production techniques of motion pictures. Important cinematic styles and trends are examined and representative films of major American and foreign film directors are viewed. Written exams, film screenings and film criticism are required. *Three hours lecture.*

CINMA 11 3 Units

American Cultures in Film

Course Advisory: ENGL 1. A film studies approach to understanding ethnicity, culture, race, discrimination, gender, class and pluralism in America. Includes screenings of films by and/or about Asian Americans, African-Americans, European Americans, Hispanic Americans, Native Americans, and selected readings, written critical analysis and discussion. *Three hours lecture.*

CINMA 15 4 Units

Film Production

Prerequisite: CINMA 10 or concurrent enrollment.

An introduction to film production equipment, techniques and principles. Includes applications of producing, directing, writing, cinematography, editing and sound recording. Students are required to demonstrate knowledge of the above in student produced films, film exercises and written work.

Three hour lecture, three hours weekly by arrangement.

CINMA 16 4 Units

Film Production

Prerequisite: CINMA 15 or concurrent enrollment. The application of filmmaking principles and techniques in the production of student produced animated, documentary, educational and/or dramatic films. Emphasis is on developing skill and creativity as a producer/director and refining basic technical competence. A final film project is required.

Repeatable 2 times. *Three hour lecture, three hours weekly by arrangement.*

Film and Television

Television

TV 50

3 Units

Survey of Broadcasting

Course Advisory: SCC minimum English standard.

Introduction to radio and television as mediums of mass communication. The history, development and structure of radio and television are studied, and their impact on society and culture. Students are required to demonstrate knowledge of course content through written tests and projects. *Three hours lecture.*

TV 55

3 Units

Beginning Television Production

Prerequisite: TV 50 or concurrent enrollment. Offers introductory training in the fundamentals of TV studio production, including producing, directing, scriptwriting, performing, production crewing, set graphics and designing. TV production projects are required. *Three hours lecture.*

TV 56

3 Units

Advanced Television Production

Prerequisite: TV 55 or previous television production experience. Presents the fundamentals of on-location and studio production applied to news, public affairs, and dramatic programs. Students are required to produce, direct, write, and crew on TV programs. Repeatable 1 time. *Two hours lecture, two hours lab.*

TV 60

3 Units

Television & Film Writing

Course Advisory: ENGL 1. Presents the fundamental principles, techniques and formats of writing for film and TV, including analysis and study of professionally written scripts. Scriptwriting assignments for news, public affairs, editorials, public service announcements, commercials, documentaries, and dramas are required. *Three hours lecture.*

TV 61

3 Units

Advanced Film Writing

Prerequisite: TV 60 or presentation of a treatment or well structured story line acceptable to the instructor. Script writing for the motion picture, including dramatic structure, scene and sequence structure, and character development. Each student will complete an original script for a full length motion picture. Repeatable 1 time. *Three hours lecture.*

TV 99

1-3 Units

Telecommunications Honors

Prerequisites: Completion of 24 units of college credit with a minimum GPA of 3.3; a minimum of 5 units in the discipline with a grade of "B" or better; an ability to work independently; permission of the division Dean based on instructor availability. Allows the advanced student to work independent of the structured classroom environment in areas of special concern during hours set by arrangement with instructor. Students are required to complete their independent study goals as arranged through contract with their instructor at the beginning of the semester. May be repeated to a maximum of 6 units, including initial enrollment. *Three to nine hours weekly by arrangement.*

Special Topics

These courses, numbered 98, are courses of contemporary interest centered on changing knowledge and important issues in the field. Announcements of Special Topics courses appear in the Schedule of Classes.

Program Description

An interdisciplinary program designed to provide a broad exposure to the fine arts. The program includes courses in Theatre Arts, Telecommunications, Music and Art. (The individual course descriptions may be found under the appropriate disciplines.)

Associate Arts Degree

The Associate in Arts Degree can be obtained by completing a total of 60 units, including the 18-unit major listed below, the general education requirements and electives. (The individual course descriptions may be found under the appropriate disciplines.)

Required Courses

	Units
ART 10—Art Appreciation	3
MUSIC 7—Jazz and Popular Music in America: Ragtime to Rock	
OR	
MUSIC 8—Music Appreciation	3
THEA 1—Principles & Theory of Acting	
OR	
THEA 10—History of Theatre I	3
TV 50—Survey of Broadcasting	
OR	
CINMA 10—The Art of the Cinema	3
Plus 3 units from the following:	3
MUSIC 5—Music Fundamentals (3 units)	
MUSIC 10—Concert Band (2 units)	
MUSIC 14—Jazz Ensemble (2 units)	
MUSIC 20—Choir (2 units)	
MUSIC 22—Musical Theater (1-3 units)	
MUSIC 25—Chamber Choir (2 units)	
MUSIC 26—Vocal Jazz Ensemble (2 units)	
MUSIC 27,28,29,30—Piano (1 unit each)	
Plus 3 units from the following:	3
ART 4—Life Drawing (2-3 units)	
ART 6—Design (3 units)	
ART 15—Intro. to Drawing (2 units)	
ART 23—Intro./Ceramics: Hand Building (2-3 units)	
ART 26—Intro./Ceramics: Wheel Throwing (2-3 units)	
ART 31—Sculpture (2-3 units)	
	18
Recommended Electives:	
SPEECH 1, 15	
PHOTO 148	
THEA 3, 5, 7	
TV 55	

Fire Technology

Career Technical Education Division

Program Description

This program was established under direction of Solano County fire protection agencies and offers both an intensive training course culminating in a Certificate of Achievement and a well-rounded educational program leading to the Associate in Science Degree. Instructors in this program are experienced members of the fire service field. In addition, a Fire Technology Academy for recently recruited fire service personnel and pre-service students is conducted periodically. The curriculum consists of courses selected from the regular fire technology course offerings.

Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained upon completion of the 30-unit major with a grade of "C" or better in each course. The Associate in Science Degree can be obtained upon completion of a total of 60 units, including the major with a grade of "C" or better in each course, the general education requirements, and electives.

Required Courses

	Units		Units
*FIRE 50—Fire Protection Organization	3	Select 12 units (continued)	
FIRE 51—Fire Behavior & Combustion	3		
FIRE 53—Fire Prevention Technology	3		FIRE 134—Fire Prevention 1A (2 units)
FIRE 54—Fire Protection Equipment & Systems	3		FIRE 135—Fire Prevention 1B (2 units)
FIRE 55—Fund. of Fire Service Operations	3		FIRE 140—Fire Technology Academy (18 units)
FIRE 56—Building Construction for the Fire Serv	3		FIRE 145—Fire Investigation I (2 units)
	18		FIRE 146—Fire Investigation II (2 units)
			FIRE 148Q-U—Special Topics (2 units/ea)
			FIRE 150—Fire Command 1A (2 units)
			FIRE 151—Fire Command 1B (2 units)
Select 12 units from the following:	12	FIRE 155—Incident Command 1 (.5 unit)	
ECTRN 102—Electrical Safety (1 unit)		FIRE 161—Fire Management 1 (2 units)	
FIRE 83—Fire Candidate Phys. Fitness (2 units)		FIRE 170—Fire Service Instructor 1A (2 units)	
*FIRE 102—Fire Service Safety Practices (3 units)		FIRE 171—Fire Service Instructor 1B (2 units)	
FIRE 112—Hazardous Materials (3 units)		FIRE 250—Logistics Section Chief-I450 (3 units)	
FIRE 113—Wildland Firefighter Academy (6 units)		FIRE 251—Supply Unit Leader SEMS/ICS (2 units)	
FIRE 114—Fire Apparatus Maintenance (3 units)		OCCED 90—Occupational Work Experience (4 units)	
FIRE 117—Confined Space Awareness (2 units)		Total required units:	30
FIRE 118—Confined Space Rescue (2 units)			
FIRE 119—Trench Rescue (2 units)			

*Fire service personnel may take Fire Technology electives in lieu of these courses providing they are a current EMT and CPR card holder.

Information on State Fire Marshal Certification

The following Solano College courses satisfy the *course* requirements for the indicated State Fire Marshal Certification:

Investigator I—FIRE 145 & 146
Public Education Officer I—FIRE 134 & 135
Fire Instructor I—FIRE 170 & 171
Prevention Officer I—FIRE 134, 135 & 136
Prevention Officer II—FIRE 174, 196, 176
Chief Officer—FIRE 165, 166, 167, 168, 185, 186, 187, 188, 189

Hazardous Substance and Waste Handling Technician

Certificate of Achievement Only

A Certificate of Achievement in Hazardous Substance and Waste Handling can be obtained by completing the courses listed below. Training meets OSHA requirements for workers handling hazardous substances. An Associate of Science Degree is not available with this option.

Required Courses

	Units	
FIRE 50—Intro. to Fire Technology	3	OCCED 91
FIRE 102—Fire Service Safety Practices	3	FIRE 114
FIRE 112—Hazardous Materials I	3	
FIRE 115—Hazardous Waste Operations	2	
FIRE 116—Hazardous Waste Management	3	

	Units
FIRE 123—Fire Serv. Principles & Procedures	1 3
INDMG 172—Industrial Safety	
OR	
INDMG 173—Occupational Safety & Health	3
	20

Recommended Electives

Job-Direct Certificate Requirements

All courses must be completed with a grade of "C" or better.

<u>Hazmat Worker</u>	Units
Required Courses	
FIRE 115—Hazardous Waste Operations	2
FIRE 128—Emergency Care of the Sick and Injured	1
	3

FIRE 50	3 Units
Fire Protection Organization	
<i>Course Advisory: SCC minimum English standard.</i>	
Presents 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. This is a Fire Technology core course and must be completed with a final grade of "C" or better in order to receive an Associate Degree or Certificate of Achievement in Fire Technology. <i>Three hours lecture.</i>	

FIRE 51	3 Units
Fire Behavior and Combustion	
<i>Course Advisory: SCC minimum English standard.</i>	
Provides fundamental information and knowledge of the physical and chemical characteristics of matter, fire, hazardous materials, weapons of mass destruction identification, and basic extinguishment theory. This is a Fire Technology core course and must be completed with a final grade of "C" or better in order to receive an Associate Degree or Certificate of Achievement in Fire Technology. <i>Three hours lecture.</i>	

Fire Technology

FIRE 53	3 Units	FIRE 83	2 or 2.5 Units
Fire Prevention Technology <i>Course Advisory: SCC minimum English standard.</i> Presents 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 preventions with fire safety education and detection and suppression systems. This is a Fire Technology core course and must be completed with a final grade of "C" or better in order to receive an Associate Degree or Certificate of Achievement in Fire Technology. <i>Three hours lecture.</i>		Fire Candidate Physical Fitness <i>Course Advisories: SCC minimum English and math standards.</i> Provides lifelong fitness knowledge to gain employment with a federal, state, county, city or special district fire agency. Provides certification with the Fire Service Joint Labor Management Wellness/Fitness Initiative "Candidate Physical Ability Test." Repeatable 3 times. (Same as PE 83) <i>One hour lecture, two or three hours activity.</i>	
FIRE 54	3 Units	FIRE 102	3 Units
Fire Protection Equipment and Systems <i>Course Advisory: SCC minimum English standard.</i> 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. This is a Fire Technology core course and must be completed with a final grade of "C" or better in order to receive an Associate Degree or Certificate of Achievement in Fire Technology. <i>Three hours lecture.</i>		Fire Service Safety Practices <i>Course Advisory: Eligibility for ENGL 1.</i> Designed to provide basic skills in assessing environmental and fire dangers in the home, at the fire station, on the fire ground, on wildland fires, or while operating a fire vehicle. Successful students will receive a NWCG Fire Safety Officer Certificate. <i>Three hours lecture.</i>	
FIRE 55	3 Units	FIRE 112	3 Units
Fundamentals of Fire Service Operations <i>Course Advisory: SCC minimum English standard.</i> Presents the fundamentals of fire department organization, management, and resources, and the use of those resources to control various emergencies. This is a Fire Technology core course and must be completed with a final grade of "C" or better in order to receive an Associate Degree or Certificate of Achievement in Fire Technology. <i>Three hours lecture.</i>		Hazardous Materials I <i>Course Advisory: SCC minimum English standard.</i> A study of fire protection chemistry and physics; analysis and discussion of fire protection emergencies and their solutions relative to the manufacture, storage, transportation, handling and use of acids, alkalies, space-age fuels and other hazardous materials. Repeatable 3 times. <i>Three hours lecture.</i>	
FIRE 56	3 Units	FIRE 113	6 Units
Building Construction for the Fire Service <i>Course Advisory: SCC minimum English and math standards.</i> Presents all of the major components of the common types of structures used for business and residential purposes that will provide the student with the basic building construction knowledge to safely perform rescue operations and suppress fires in structures and their surrounding appurtenances. This course must be completed with a final grade of "C" or better in order to receive an Associate Degree or Certificate of Achievement in Fire Technology. <i>Three hours lecture.</i>		Wildland Firefighter Academy <i>Course Advisory: SCC minimum English standard.</i> Presents the principles, safety requirements and techniques of wildland fire prevention, behavior and control. Covers legal areas of wildland fire protection and mutual aid for wildland fires. Recommended for fire technology, forestry, conservation and wildlife majors. Successful completion of this course will result in the student obtaining the following NWCG certificates required by federal wildland firefighting agencies and Seasonal Firefighter Certificate of Completion as required by the California Department of Forestry and Fire Protection (CDF): S-190; S-130/S-131; S-212; Basic California Wildland Firefighter (CDF). <i>Six hours lecture.</i>	
		FIRE 114	3 Units
		Fire Apparatus Maintenance <i>Course Advisories: Eligibility for ENGL 1 and SCC minimum math standards.</i> Introduces fire technology students to basic fire apparatus maintenance and troubleshooting techniques typically associated with the lubrication, coolants, drive train, engine, tires, batteries, and other moving parts of a piece of firefighting apparatus. <i>Three hours lecture.</i>	

FIRE 115 Hazardous Waste Operations <i>Course Advisories: SCC minimum English and math standards. Study of hazardous waste identification and handling techniques. Prepares individuals to identify a product, select safety equipment to wear, and how to mitigate clean-up procedures. Two hours lecture, one hour lab.</i>	2 Units	FIRE 123 Fire Service Principles and Procedures I A study of the related tools and equipment used in fire suppression and rescue work. Repeatable 3 times. <i>Sixteen hours lecture, five hours lab (1 week course).</i>	1 Unit
FIRE 116 Hazardous Substance Management <i>Course Advisory: SCC minimum English standard. Designed to give business personnel, hazardous substance handlers, and others an overview of federal and state organizations responsible for hazardous waste and substance laws. An introduction to the Occupational Safety and Health Administration (OSHA) 29CFR1910.120 worker right to know laws will also be covered. Participants will be trained to identify and utilize the different hazardous materials identification systems. Three hours lecture.</i>	3 Units	FIRE 124 Fire Service Principles and Procedures II <i>Course Advisory: SCC minimum English standard. Presents the application of the basic skills in connecting, elevating and controlling hose lines and streams. Sixteen hours lecture, eight hours lab (1 week course).</i>	1 Unit
FIRE 117 Confined Space Awareness <i>Course Advisory: SCC minimum English and standards. Upon successful completion of this course the student will be aware of the hazards associated with confined space and how to properly mitigate these hazards. Forty hours lecture (1 week course).</i>	2 Units	FIRE 125 Fire Service Principles and Procedures III <i>Course Advisory: SCC minimum English standard. Designed to train personnel in volunteer and paid fire departments. Includes laying single and multiple lines of hose, coupling hose, loading hose, connecting and operating hose devices, and connecting hose lines to auxiliary appliances. Repeatable 3 times. Sixteen hours lecture, five hours lab (1 week course).</i>	1 Unit
FIRE 118 Confined Space Rescue <i>Course Advisory: SCC minimum English and standards. Upon successful completion of this course the student will have acquired all the required skills and knowledge necessary to perform a safe and properly executed confined space rescue under emergency conditions. Forty hours lecture (1 week course).</i>	2 Units	FIRE 126 Fire Service Principles and Procedures IV <i>Course Advisory: SCC minimum English standard. Designed to train personnel in volunteer and paid fire departments. Includes operation of stream appliances, hose operations above and below street level, salvage covers, fold and carry covers, spread and hand covers, improvising with covers, protecting building contents, and operation of air moving equipment. Repeatable 3 times. Sixteen hours lecture, five hours lab (1 week course).</i>	1 Unit
FIRE 119 Trench Rescue <i>Course Advisory: SCC minimum English and standards. The student must be able to identify the hazards associated with trench rescue and master the skills necessary to mitigate those hazards as demonstrated in actual trench rescue manipulative skills sessions. Demonstration of critical thinking thought processes relative to safety during a simulated trench rescue will be an essential element of the course. Each student must bring to the class an approved safety helmet, safety glasses, gloves, hearing protection, and lug soled 8 inch high leather boots with steel toes and shank. Forty hours lecture (1 week course).</i>	2 Units	FIRE 127 Fire Service Principles and Procedures V <i>Course Advisory: SCC minimum English standard. Designed to train personnel in volunteer fire departments. Includes use of water removal tools and equipment, removal of debris and hazards, collection and preservation of evidence, operation of fire protection systems, identification of hazardous and explosive materials, use of life lines and belts, and traffic control. Repeatable 3 times. Sixteen hours lecture, five hours lab (1 week course).</i>	1 Unit

Fire Technology

FIRE 128 Emergency Care of the Sick and Injured <i>Course Advisory: SCC minimum English standard.</i> Designed to provide essential information on rescue work, to develop a knowledge of how to diagnose rescue problems and to care for respiratory, circulatory, childbirth, heat, and other emergencies; to care for flesh injuries; and to transport the sick and injured. Repeatable 3 times. <i>Sixteen hours lecture, five hours lab (1 week course).</i>	1 Unit	FIRE 135 Fire Prevention 1B <i>Course Advisory: SCC minimum English standard.</i> Continuation of Fire Prevention I with emphasis on the California Administrative Code, Uniform Building Code and Title 19. <i>Forty hours lecture (1 week course).</i>	2 Units
FIRE 129 Fire Control I <i>Course Advisory: SCC minimum English standard.</i> Study of how fires start, spread and are controlled. Repeatable 3 times. <i>Twenty-four hours lecture (1 week course).</i>	1 Unit	FIRE 136 Fire Prevention III <i>Course Advisory: SCC minimum English standard.</i> An in-depth survey of the fire prevention regulations and problems surrounding the storage, transfer and handling of flammable liquids and gases. Topics include installation practices for above ground and underground tanks, hazards of transfer and finishing processes, piping and valve requirements, venting procedures and devices, drainage and diking systems, investigation of leaks, and maintenance procedures. Repeatable 2 times. <i>Forty hours lecture (1 week course).</i>	2 Units
FIRE 130 Fire Control II <i>Course Advisory: SCC minimum English and math standards.</i> Study of the identification of fire problems, use of equipment and personnel in search, rescue, and lifesaving situations created by fire. <i>Twenty-four hours lecture (1 week course).</i>	1 Unit	FIRE 140 Fire Technology Academy <i>Prerequisite: FIRE 50; FIRE 128 or EMT 212. NOTE: Course Advisories: SCC minimum English and math standards. NOTE: Prospective Firefighter I Academy students will be required to fill out a Personal Health History Questionnaire that depicts the student's health history. Based upon the information in this questionnaire, a medical examination may be required.</i> A course containing the contents of FIRE 83, 113, 115, 123, 124, 125, 126, 127, 129, 130, 131 and 155. Upon successful completion, the student will become eligible for certification by the State Fire Marshall's Office as a Fire Fighter I. <i>Thirty hours lecture, ten hours lab (9 week course).</i>	18 Units
FIRE 131 Fire Control III <i>Course Advisory: SCC minimum English standard.</i> Designed to prepare company officers or potential officers to supervise fire-ground operations, control serious fires, and deal with other emergencies requiring a sound knowledge of the principles of strategy and tactics. <i>Twenty-one hours lecture (1 week course).</i>	1 Unit	FIRE 145 Fire Investigation I <i>Course Advisory: SCC minimum English standard.</i> Presents the methods for determining the cause and place of fire origin, investigative techniques for accidental and incendiary fires, recognition and preservation of evidence, developing an arson case, trial preparation and courtroom testimony, preparation of adequate reports, fire investigation photographs and diagrams. <i>Forty hours lecture (1 week course).</i>	2 Units
FIRE 132 Pump Operation <i>Course Advisory: SCC minimum English standard.</i> Presents the principles of hydraulics as they relate to pumps used in fire fighting. Repeatable 3 times. <i>Sixteen hours lecture, five hours lab (1 week course).</i>	1 Unit		
FIRE 134 Fire Prevention 1A <i>Course Advisory: SCC minimum English standard.</i> Study of federal, state, county, and local fire protection legislation; fire prevention codes, fire protection aspects of building codes, the role of the State Fire Marshal in fire protection legislation and enforcement, and fire protection legislation application and enforcement. <i>Forty hours lecture (1 week course).</i>	2 Units		

FIRE 146 Fire Investigation II <i>Course Advisory: SCC minimum English standard. A continuation of Fire Investigation with emphasis on case preparation and courtroom demeanor. Forty hours lecture (1 week course).</i>	2 Units	FIRE 165 Fire Management 2A Organization and Development <i>Course Advisories: SCC minimum English and math standards. Prepares students to recognize and react to the different internal and external personality traits. Student will be taught to utilize fire service management principles in handling the different personality traits. Forty hours lecture (1 week course).</i>	2 Units
FIRE 150 Fire Command 1A <i>Course Advisory: SCC minimum English standard. Presents the fire science principles and techniques applied to fire control and extinguishment; effective and efficient use of manpower, equipment, communications at fires and fire-related emergencies; pre-fire planning methods and techniques, and control and extinguishing methods for fires of all types. Forty hours lecture (1 week course).</i>	2 Units	FIRE 166 Fire Management 2B Finance for Chief Officer <i>Course Advisories: SCC minimum English and math standards. Teaches the student to analyze, prioritize and adjust budget requests. Students will be taught to assemble, reinforce, and sell their budget proposals. Forty hours lecture (1 week course).</i>	2 Units
FIRE 151 Fire Command 1B <i>Course Advisory: SCC minimum English standard. Presents the fire science principles and techniques applied to fire control and extinguishment; effective and efficient use of manpower, equipment, communications at fire and fire-related emergencies; pre-fire planning methods, techniques of control and extinguishing methods for fires of all types. The principles and techniques described are related to hazardous materials incidents. Forty hours lecture (1 week course).</i>	2 Units	FIRE 168 Fire Management 2D Master Planning <i>Course Advisories: SCC minimum English and math standards. Fire service program planning, master planning, forecasting, systems analysis, and policy analysis. Forty hours lecture (1 week course).</i>	2 Units
FIRE 155 Incident Command I <i>Course Advisories: SCC minimum English and math standards. A course containing the contents of the Incident Command System (FIREScope i-200) including establishing the identity of command and resource section assignments of planning, operations, safety, logistics, resources, finance administration and communications. Twelve hours lecture (1 week course).</i>	.5 Unit	FIRE 169 Fire Management 2E Issues and Concepts <i>Course Advisories: SCC minimum English and math standards. Prepares students to work with the different legislative bodies and be familiar with urban politics. Special emphasis is placed on preparing students to work with different public agencies. Forty hours lecture (1 week course).</i>	2 Units
FIRE 161 Fire Management I <i>Course Advisory: SCC minimum English standard. Study of fire company functions, operations, and public safety responsibilities; duties, functions, and responsibilities of fire company personnel; fire company personnel instruction, training, and administration; fire company records, reports and public relations with an emphasis on the company officers' role. Forty hours lecture (1 week course).</i>	2 Units	FIRE 170 Fire Service Instructor 1A <i>Course Advisory: SCC minimum English standard. Provides a variety of methods and techniques to help fire service personnel select, develop and organize material for in-service programs. Includes methods of evaluation and an opportunity to apply major principles of learning through practice demonstrations. Designed for fire company officers who conduct in-service training programs. Repeatable 3 times. Forty hours lecture (1 week course).</i>	2 Units
		FIRE 171 Fire Service Instructor 1B <i>Course Advisory: SCC minimum English standard. Designed to give the student more sophistication in the development, implementation and evaluation of in-service programs in the fire service. Forty hours lecture (1 week course).</i>	2 Units

Fire Technology

- FIRE 174** **2 Units**
Prevention 2A Systems and Building Components
Prerequisite: FIRE 54. Course Advisories: SCC minimum English and math standards. Designed for personnel who are seeking employment or are currently employed in the fire service or other related industrial fields. Emphasis is placed on utilizing codes relative to extinguishing or alarm systems and the evaluation of fire resistive building construction. *Forty hours lecture (1 week course).*
- FIRE 176** **2 Units**
Prevention 2C Special Hazard Occupancies
Prerequisite: FIRE 53. Course Advisories: SCC minimum English and math standards. Special fire prevention challenges. This course addresses industrial ovens, finishing processes, welding, refrigeration systems, and medical gases. *Forty hours lecture (1 week course).*
- FIRE 177** **2 Units**
Investigation 2A Criminal & Legal Procedures
Course Advisories: SCC minimum English and math standards. Enables the student to effectively gather the required information for a search warrant and present it properly to a magistrate. Through mock trial, students learn proper court room demeanor and cross-examination skills. *Forty hours lecture (1 week course).*
- FIRE 180** **2 Units**
Fire Science Public Education Officer I
Course Advisory: SCC minimum English standard. Topics include systematic planning process for public education, use of CFIRS to analyze local fire problems, communication skills, program evaluation, working with the media, integrating programs into schools, gaining community support, fire safety for children, interviewing and counseling juvenile fire setters, creating and using audio visual resources, and ideas and resource sharing. Repeatable 3 times. *Forty hours lecture (1 week course).*
- FIRE 185** **2 Units**
Fire Command 2A Command Tactics at Major Fires
Course Advisories: SCC minimum English and math standards. Designed for chief officers and company officers, it prepares the student to use management techniques and the incident command system when commanding multiple alarms or large numbers of suppression forces. Applies to CHIEF OFFICER and accredited by CFSTES. *Forty hours lecture (1 week course).*
- FIRE 186** **2 Units**
Fire Command 2B Command of Major HAZ-MAT Incidents
Prerequisite: FIRE 185. Course Advisories: SCC minimum English and math standards. Prepares officers to manage serious hazardous materials incidents. The course includes areas of discussion on information and databases; organizations, agencies and institutions involved in hazardous materials response and research; planning for hazardous materials problems; legislation, litigation and liabilities of hazardous materials responses. *Forty hours lecture (1 week course).*
- FIRE 187** **2 Units**
Fire Command 2C High Rise Emergencies
Course Advisories: SCC minimum English and math standards. Designed for Chief Officers, company officers and fire fighters. The course prepares personnel to utilize the Incident Command System as well as tactics and strategy procedures in mitigating high rise emergencies. Emphasis is placed on pre-fire planning and internal fire protection systems. *Forty hours lecture (1 week course).*
- FIRE 188** **2 Units**
Fire Command 2D Disaster Planning
Prerequisite: FIRE 185. Course Advisories: SCC minimum English and math standards. Designed to prepare fire service personnel in planning for large scale disasters. Included are principles of disaster planning and management, fire service emergency plans, emergency operations centers, roles of local, state, and federal emergency management agencies. *Forty hours lecture (1 week course).*
- FIRE 189** **2 Units**
Fire Command 2E
Prerequisite: FIRE 140 or employment as a full-time fire fighter. Course Advisories: SCC minimum English and math standards. A study of command techniques used in selecting and utilizing resources during wild land fire fighting. This is a component of the State Fire Marshall's Advanced Fire Command series. *Two and one-half hours lecture.*
- FIRE 193** **2 Units**
Fire Prevention 2A
Course Advisory: SCC minimum English standard. Designed for personnel who are seeking employment or are currently employed in the fire service or other industrial related fields. Emphasis will be placed on utilizing codes relative to extinguisher or alarm systems and the evaluation of fire resistive building construction. *Forty hours lecture (1 week course).*

FIRE 195 Fire Prevention 2C <i>Course Advisory: SCC minimum English standard.</i> Explores fire prevention problems of a unique or difficult nature. Analyzes solutions to specialized fire prevention situations. <i>Forty hours lecture (1 week course).</i>	2 Units	FIRE 501 Hazardous Materials Handling Indoctrinates fire service personnel in the handling of hazardous materials. Includes factors affecting handling, types of materials, evacuations procedures, and required assistance. <i>Eight hours lecture (1 week course).</i>	Non-Credit-Only
FIRE 196 Prevention 2B Interpreting Codes <i>Prerequisite: FIRE 53. Course Advisories: SCC minimum English and math standards.</i> Covers in-depth information about the fire and life safety standards of buildings as related to the UBC and Title 19 and 24. Types of construction, occupancy classifications, egress, interior finishes. Applied to Fire Prevention II and accredited by CFSTES. <i>Forty hours lecture (1 week course).</i>	2 Units	FIRE 502 Hazardous Materials, First Responder Indoctrinates fire service personnel in hazardous materials prevention, preparedness, emergency response and recovery. Repeatable 3 times. <i>Sixteen hours lecture (1 week course).</i>	Non-Credit-Only
FIRE 250 Logistics Section Chief-I450 <i>Course Advisories: SCC minimum English and math standards.</i> Provides the training necessary to perform as a Logistics Section Chief trainee on typical emergency incidents such as hazardous materials spills, wildland fires, earthquakes, and other calamities Each student must attain a score of %80 on each unit test and final test in order to receive a NWCG Certificate as a Logistics Section Chief. <i>Forty-eight hours lecture (1 week course).</i>	3 Units	Special Topics These courses, numbered 148, 248, or 548 depending upon their transferability, are courses of contemporary interest centered on changing knowledge and important issues in the field. Specific information will vary with each course.	
FIRE 251 Supply Unit Leader SEMS/ICS <i>Course Advisories: SCC minimum English and math standards.</i> Students who successfully pass this course with an %80 or higher score will be certified as mastering the NWCG Supply Unit Leader course of study. This places the student as a "trainee" Supply Unit Leader and requires the student to perform successfully on one emergency incident as a trainee in order to become qualified as a Supply Unit Leader. With this the course the student is eligible to apply for the "Red Card" certification as a Supply Unit Leader. <i>Three hours lecture.</i>	3 Units		
FIRE 500 Hazardous Materials Awareness Designed to reduce the potential for injury and mortality among emergency services personnel who are the initial responders to emergencies where hazardous materials are present and a factor in the emergency. <i>Eight hours lecture (1 week course).</i>	Non-Credit-Only		

Foreign Languages

Humanities Division

Foreign Languages, General

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.

Associate in Arts Degree

The Associate in Arts Degree can be obtained by completing a total of 60 units, including a minimum of 20 units from the courses listed below in at least two different languages, the general education requirements, and electives.

Required Courses

French

	Units
FRNCH 1—First Semester French	5
OR	
FRNCH 31 & 32—First Sem. French (3 & 3 units)	6
FRNCH 2—Second Semester French	5
OR	
FRNCH 33 & 34—Second Sem. French (3 & 3 units)	6
FRNCH 3—Third Semester French	5
FRNCH 4—Fourth Semester French	5
FRNCH 11—Conversational French	3
FRNCH 12—Intermediate French Conversation	3

German

GERMN 1—First Semester German	5
OR	
GERMN 31 & 32—First Sem. German (3 & 3 units)	6
GERMN 2—Second Semester German	5
OR	
GERMN 33 & 34—Second Sem German (3 & 3 units)	6
GERMN 3—Third Semester German	5
GERMN 4—Fourth Semester German	5
GERMN 11—Conversational German	3
GERMN 12—Intermediate German Conversation	3

Spanish

	Units
SPAN 1—First Semester Spanish	5
OR	
SPAN 31 & 32—First Sem. Spanish (3 & 3 units)	6
SPAN 2—Second Semester Spanish	5
OR	
SPAN 33 & 34—Second Sem. Spanish (3 & 3 units)	6
SPAN 3—Third Semester Spanish	5
SPAN 4—Fourth Semester Spanish	5
SPAN 11—Conversational Spanish	3
SPAN 12—Intermediate Spanish Conversation	3

Latin

LATIN 1—Latin Fundamentals	3
LATIN 2—Latin Fundamentals	3
LATIN 3—Latin Fundamentals	3

Foreign Languages, Individual

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.

Associate in Arts Degree

The Associate in Arts Degree can be obtained by completing a total of 60 units, including a minimum of 18 units in **one** of the languages listed below, the general education requirements, and electives.

Required Courses

Foreign Language, French

	Units
FRNCH 1—First Semester French	5
FRNCH 2—Second Semester French	5
FRNCH 3—Third Semester French	5
FRNCH 4—Fourth Semester French	5
FRNCH 11—Conversational French	3
FRNCH 12—Intermediate French Conversation	3
FRNCH 31—First Sem. French, Part I	3
FRNCH 32—First Sem. French, Part II	3
FRNCH 33—Second Sem. French, Part I	3
FRNCH 34—Second Sem. French, Part II	3
FRNCH 49—French Honors	1-3

Foreign Language, German

GERMN 1—First Semester German	5
GERMN 2—Second Semester German	5
GERMN 3—Third Semester German	5
GERMN 4—Fourth Semester German	5
GERMN 11—Conversational German	3
GERMN 12—Interm. German Conversation	3
GERMN 31—First Sem. German, Part I	3
GERMN 32—First Sem. German, Part II	3
GERMN 33—Second Sem. German, Part I	3
GERMN 34—Second Sem. German, Part II	3
GERMN 49—German Honors	1-3

Foreign Languages

Foreign Languages, Individual (continued) Foreign Language, Spanish

	Units
SPAN 1—First Semester Spanish	5
SPAN 2—Second Semester Spanish	5
SPAN 3—Third Semester Spanish	5
SPAN 4—Fourth Semester Spanish	5
SPAN 11—Conversational Spanish	3
SPAN 12—Interm. Spanish Conversation	3
SPAN 25—Intro to Latin-American Culture	3
SPAN 31—First Semester Spanish, Part I	3
SPAN 32—First Semester Spanish, Part II	3
SPAN 33—Second Sem. Spanish, Part I	3
SPAN 34—Second Sem. Spanish, Part II	3
SPAN 49—Spanish Honors	1-3
SPAN 61M—Beg. Spanish, Part 1 for Medical Workers	3
SPAN 62M—Beg. Spanish, Part 2 for Medical Workers	3
SPAN 63M—Beg. Spanish, Part 3 for Medical Workers	3
SPAN 64M—Beg. Spanish, Part 4 for Medical Workers	3
SPAN 1S—Spanish for Spanish Speakers 1	5
SPAN 2S—Spanish for Spanish Speakers 2	5

French

FRNCH 1

5 Units

First Semester French

Prerequisite: None. NOTE: Not open for credit to students who have had two or more years of high school French with a grade of "B" or better within the last three years or to students who have completed FRNCH 31 and/or 32. Course Advisory: SCC minimum English standard.

Introduces the fundamental elements of the language (listening, speaking, reading, writing and culture) with emphasis on language production, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Francophone culture. Exams, quizzes, written and oral assignments and completion of the lab manual will be used to evaluate student progress. (CAN FREN 2) (FRNCH 1 & 2 = CAN FREN SEQ A). *Five hours lecture, one hour weekly of listening to tapes.*

FRNCH 31

3 Units

First Semester French, Part I

Prerequisites: NOTE: Not open for credit to students who have received credit for FRNCH 1 or to students who have had two or more years of high school French with a grade of "B" or better within the past three years. NOTE: In order to fulfill the one semester of French I requirement of some universities, transfer students must complete the sequence of FRNCH 31-32. Course Advisory: SCC minimum English standard. Introduces the basic elements of the language (listening, speaking, reading, writing and culture) with emphasis on language production,

grammar, syntax, vocabulary building, and exposure to the Francophone culture. Exams, quizzes, written and oral assignments and completion of the lab manual will be used to evaluate student progress. Three hours lecture, one hour weekly of listening to tapes.

FRNCH 32

3 Units

First Semester French, Part II

Prerequisites: FRNCH 31 or one year of high school French. NOTE: Not open for credit to students who have completed FRNCH 1 or who have had two or more years of high school French with a grade of "B" or better within the last three years. NOTE: In order to fulfill the one-semester French I requirement of some universities, transfer students must complete the sequence of FRNCH 31 and 32. Continuation of FRNCH 31 introducing the fundamental elements of the language (listening, speaking, reading, writing and culture) with continued emphasis on language production, grammar, syntax, vocabulary building, and exposure to the French culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. Three hours lecture, one hour weekly of listening to tapes.

Foreign Languages

FRNCH 2 Second Semester French <i>Prerequisites: FRNCH 1, or FRNCH 31 and 32, or two years of high school French. NOTE: Not open to students who have completed FRNCH 33 and/or 34. Continuation of FRNCH 1 introducing the fundamentals of French (listening, speaking, reading, writing and culture) with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Francophone culture. Exams, quizzes, written and oral assignments and completion of the lab manual will be used to evaluate student progress. (CAN FREN 4) (FRNCH 1 & 2 = CAN FREN SEQ A). Five hours lecture, one hour weekly of listening to tapes.</i>	5 Units	FRNCH 3 Third Semester French <i>Prerequisites: FRNCH 2, or FRNCH 34, or three years of high school French. Continuation of FRNCH 2, FRNCH 3 expands the student's knowledge of the language (listening, speaking, reading, writing and culture) with emphasis on language production, grammar, syntax, and acquisition of a practical vocabulary, and exposure to Francophone culture. In addition, students will read and discuss short selections taken from a literary and cultural anthology. Exams, quizzes, written and oral assignments and completion of the lab manual will be used to evaluate student progress. (CAN FREN 8) (FRNCH 3 & 4 = CAN FREN SEQ B). Five hours lecture.</i>	5 Units
FRNCH 33 Second Semester French, Part I <i>Prerequisites: FRNCH 1 or FRNCH 32. Not open for credit to students who have received credit for FRNCH 2. Continuation of FRNCH 1 (or FRNCH 32), presenting the fundamentals of French (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Francophone culture. Exams, quizzes, written and oral assignments and completion of the lab manual will be used to evaluate student progress. Three hours lecture.</i>	3 Units	FRNCH 4 Fourth Semester French <i>Prerequisite: FRNCH 3. Complete review and expansion of grammar, idioms and structure, use of complex tenses and stylistic explanations. Extensive work is done in reading, writing and conversing in French. Students will subscribe to and learn to read effectively a French newspaper. There will be an introduction to serious literary works in French with an introduction to literary analysis in both written (la redaction) and oral (l'explication de texte) forms. Exams, quizzes, written and oral assignments and completion of the lab manual will be used to evaluate student progress. (CAN FREN 10) (FRNCH 3 & 4 = CAN FREN SEQ B). Five hours lecture.</i>	5 Units
FRNCH 34 Second Semester French, Part II <i>Prerequisites: FRNCH 33. Not open for credit to students who have received credit for FRNCH 2. Continuation of FRNCH 33, presenting the fundamentals of French (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Francophone culture. Exams, quizzes, written and oral assignments and completion of the lab manual will be used to evaluate student progress. Three hours lecture.</i>	3 Units	FRNCH 11 Conversational French <i>Prerequisite: FRNCH 2 or FRNCH 34 with a grade of "C" or better. Designed to promote competency in the oral use of the language and to increase fluency by reinforcing previously learned materials and by expanding vocabulary and patterns of speech. This course emphasizes the practical application of the language, not grammar acquisition or review. Three hours lecture.</i>	3 Units
		FRNCH 12 Intermediate French Conversation <i>Prerequisite: FRNCH 11. Continuation of FRNCH 11, and is designed to promote competency in the oral use of the language and to increase fluency by reinforcing previously learned materials and by expanding vocabulary and patterns of speech. The course emphasizes the practical application of the language, not grammar acquisition or review. Three hours lecture.</i>	3 Units

Foreign Languages

German

GERMN 1

5 Units

First Semester German

Prerequisite: None. NOTE: Not open for credit to students who have had two or more years of high school German with a grade of "B" or better within the last three years or to students who have completed GERMN 31 and/or 32. Course Advisory: SCC minimum English standard. Introduces the fundamental elements of the language (listening, speaking, reading, writing and culture) with emphasis on language production, grammar, syntax, acquisition of a practical vocabulary, and exposure to the German culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. (CAN GERM 2) (GERMN 1 & 2 = CAN GERM SEQ A). *Five hours lecture, one hour weekly of listening to tapes.*

GERMN 31

3 Units

First Semester German, Part I

Prerequisites: None. NOTE: Not open for credit to students who have had two or more years of high school German with a grade of "B" or better within the last three years or to students who have completed GERMN 1. NOTE: In order to fulfill the one-semester German I requirement of some universities, transfer students must complete the sequence of GERMN 31 and 32. Course Advisory: SCC minimum English standard. Introduces the basic elements of the language (listening, speaking, reading, writing and culture) with emphasis on language production, grammar, syntax, vocabulary building, and exposure to the German culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. *Three hours lecture, one hour weekly of listening to tapes.*

GERMN 32

3 Units

First Semester German, Part II

Prerequisites: GERMN 31 or one year of high school German. NOTE: Not open for credit to students who have had two or more years of high school German with a grade of "B" or better within the last three years or to students who have completed GERMN 1. NOTE: In order to fulfill the one-semester German I requirement of some universities, transfer students must complete the sequence of GERMN 31-32. Continuation of GERMN 31, presenting an introduction to the fundamental elements of the language (listening, speaking, reading, writing and culture) with continued emphasis on language production, grammar, syntax, vocabulary building, and exposure to the German culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. *Three hours lecture, one hour weekly of listening to tapes.*

GERMN 2

5 Units

Second Semester German

Prerequisites: GERMN 1, or GERMN 31 and 32, or two years of high school German or the equivalent. NOTE: Not open to students who have completed GERMN 33 and/or 34. Continuation of GERMN 1, presenting the fundamentals of German (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to the German culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. (CAN GERM 4) (GERMN 1 & 2 = CAN GERM SEQ A). *Five hours lecture, one hour weekly of listening to tapes.*

GERMN 33

3 Units

Second Semester German, Part I

Prerequisites: GERMN 1 or GERMN 32. NOTE: Not open for credit to students who have received credit for GERMN 2. Continuation of GERMN 1 (or GERMN 32), presenting the fundamentals of German (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Germanic culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. *Three hours lecture.*

GERMN 34

3 Units

Second Semester German, Part II

Prerequisites: GERMN 33. Not open for credit to students who have received credit for GERMN 2. Continuation of GERMN 33, presenting the fundamentals of German (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Germanic culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. *Three hours lecture.*

GERMN 3**5 Units****Third Semester German**

Prerequisite: GERMN 2, or GERMN 34, or three years of high school German. Completes the students' introduction to the fundamentals of German, reviewing and refining many of the concepts covered in GERMN 1 and 2 so that students are prepared to deal with more advanced grammar, reading, writing and conversation in German. Exposure to the culture and thinking of the German-speaking peoples is accomplished through the reading of literature by representative East and West German, Austrian and Swiss writers. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. (CAN GERM 8) (GERMN 3 & 4 = CAN GERM SEQ B). *Five hours lecture.*

GERMN 4**5 Units****Fourth Semester German**

Prerequisite: GERMN 3 or four years of high school German. Continues the review and expansion of students' knowledge of basic German begun in GERMN 3, while emphasizing several fine points of more advanced German grammar for closer study. Exposure to the culture and thinking of the German-speaking peoples is accomplished through the reading of literature by representative East and West German, Austrian and Swiss writers. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. (CAN GERM 10) (GERMN 3 & 4 = CAN GERM SEQ B). *Five hours lecture.*

GERMN 11**3 Units****Conversational German**

Prerequisite: GERMN 2 or GERMN 34 with a grade of "C" or better. Designed to promote competency in the oral use of the language and to increase fluency by reinforcing previously learned materials and by expanding vocabulary and patterns of speech. *Three hours lecture.*

GERMN 12**3 Units****Intermediate German Conversation**

Prerequisite: GERMN 11. Continuation of GERMN 11, and is designed to promote competency in the oral use of the language and to increase fluency by reinforcing previously learned materials and by expanding vocabulary and patterns of speech. The course emphasizes the practical application of the language, not grammar acquisition or review. *Three hours lecture.*

Italian

ITAL 31**3 Units****First Semester Italian, Part I**

Course Advisory: SCC minimum English standard. Introduces the basic elements of the language (listening, speaking, reading, writing and culture), with emphasis on language production, grammar, syntax, vocabulary building, and exposure to Italian culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. (NOTE: In order to fulfill the one-semester foreign language requirement of some universities, transfer students must complete the sequence of ITAL 31 and 32). *Three hours lecture, one hour weekly by arrangement.*

ITAL 32**3 Units****First Semester Italian, Part II**

Prerequisite: ITAL 31. Course Advisory: SCC minimum English standard. Continuation of ITAL 31 introducing students to the fundamental elements of the language (listening, speaking, reading, writing and culture), with emphasis on language production, grammar, syntax, vocabulary building, and exposure to Italian culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. *Three hours lecture, one hour weekly by arrangement.*

ITAL 33**3 Units****Second Semester Italian, Part I**

Prerequisite: ITAL 32. Course Advisories: SCC minimum English standard. Continuation of ITAL 32 presenting the fundamentals of Italian (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to Italian culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. *Three hours lecture, one hour weekly by arrangement.*

ITAL 34**3 Units****Second Semester Italian, Part II**

Prerequisite: ITAL 33. Course Advisory: SCC minimum English standard. Continuation of ITAL 33 presenting the fundamentals of Italian (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to Italian culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. *Three hours lecture, one hour weekly by arrangement.*

Foreign Languages

Japanese

JAPAN 101 3 Units

Conversational Japanese

Course Advisory: SCC minimum English standard. A practical course stressing essentials of vocabulary, pronunciation and basic conversation patterns; the students will be introduced to aspects of Japanese culture. *Three hours lecture.*

JAPAN 102 3 Units

Conversational Japanese

Prerequisite: JAPAN 101. A continuation of JAPAN 101 which reviews and expands on the previously learned vocabulary, pronunciation, grammar, and conversation patterns. A high emphasis will be on the spoken language in realistic situations. *Three hours lecture.*

Latin

LATIN 1 3 Units

Latin Fundamentals

Course Advisory: SCC minimum English standard. Introduction to the Latin language - to its sonorous quality, its treasury of words, its inflectional system, and the logic of its syntax. *Three hours lecture.*

LATIN 2 3 Units

Latin Fundamentals

Prerequisite: LATIN 1. Continued introduction to the Latin language - to its treasury of words, its inflectional system, the logic of its syntax, its ability to clarify difficult grammatical concepts for students of modern languages, its legacy of English derivatives and of the nomenclatures of scholarship, the sciences, and the arts. *Three hours lecture.*

LATIN 3 3 Units

Latin Fundamentals

Prerequisites: LATIN 1 and 2. Advanced study of the Latin Language and Literature; advanced study of syntax and complex sentence structures in Latin; reading from original Latin authors including Caesar, Cicero, Catullus and Horace. *Three hours lecture.*

Portuguese

PORT 101 3 Units

Conversational Portuguese

Course Advisories: SCC minimum English and math standards. Introduction to the Portuguese language, grammar, and idiom. The course emphasizes the acquisition of basic grammatical structures, the development of vocabulary and pronunciation, and exposure to Portuguese and Brazilian culture. *Three hours lecture.*

PORT 102 3 Units

Conversational Portuguese

Prerequisite: PORT 101. Course Advisories: SCC minimum English and math standards. Continued introduction to the Portuguese language, grammar, and idioms. The course emphasizes the acquisition of basic grammatical structures, the development of vocabulary and pronunciation, and exposure to Portuguese and Brazilian culture. *Three hours lecture.*

Spanish

SPAN 1 5 Units

First Semester Spanish

Prerequisite: None. NOTE: Not open for credit to students who have had two or more years of high school Spanish with a grade of "B" or better within the last three years or to students who have completed SPAN 1S, or SPAN 31 and/or 32, or SPAN 61M and/or 62M. Course Advisory: SCC minimum English standard. Introduces the fundamental elements of the language (listening, speaking, reading, writing and culture) with emphasis on language production, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Hispanic culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. (CAN SPAN 2) (SPAN 1 & 2 = CAN SPAN SEQ A). *Five hours lecture, one hour weekly of listening to tapes.*

SPAN 31 3 Units

First Semester Spanish, Part I

Prerequisites: None. NOTE: Not open for credit to students who have received credit for SPAN 1, or SPAN 1S, or SPAN 61M, or who have had two or more years of high school Spanish with a grade of "B" or better within the last three years. NOTE: In order to fulfill the one-semester Spanish 1 requirement of some universities, transfer students must complete the sequence of Spanish 31 and 32. Course Advisory: SCC minimum English standard. Introduces the basic elements of the language (listening, speaking, reading, writing and culture) with emphasis on language production, grammar, syntax, vocabulary building, and exposure to the Hispanic culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. *Three hours lecture, one hour weekly of listening to tapes.*

Foreign Languages

SPAN 32

3 Units

First Semester Spanish Part II

Prerequisites: SPAN 31 or SPAN 61M. NOTE: Not open for credit to students who have received credit for SPAN 1, or SPAN 1S, or SPAN 62M, or who have had two or more years of high school Spanish with a grade of "B" or better within the last three years. NOTE: In order to fulfill the one-semester Spanish 1 requirement of some universities, transfer students must complete the sequence of Spanish 31 and 32. Continuation of Spanish 31, presenting the fundamental elements of the language (listening, speaking, reading, writing and culture) with continued emphasis on language production, grammar, syntax, vocabulary building, and exposure to the Hispanic culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. *Three hours lecture, one hour weekly of listening to tapes.*

SPAN 1S

5 Units

Spanish for Spanish Speakers 1

Prerequisite: Oral fluency in Spanish. NOTE: Not open for credit to students who have completed SPAN 1S, or SPAN 31 and/or 32, or SPAN 61M and/or 62M. Course Advisories: SCC minimum English and math standards. This course, which is conducted in Spanish, is the first of a two-semester sequence designed for fluent speakers of Spanish who are proficient in the language, but who have had little or no formal language training. It is meant to provide Spanish language experiences for Spanish-speaking students in pronunciation, aural comprehension, oral and written communication, word usage and vocabulary, reading of prose and elementary principles of grammar. Exams, quizzes, written and oral assignments, and participation in group discussions will be used to evaluate student progress. *Five hours lecture.*

SPAN 2

5 Units

Second Semester Spanish

Prerequisites: SPAN 1, or SPAN 1S, or SPAN 32, or SPAN 62M, or two years of high school Spanish. NOTE: Not open to students who have completed SPAN 2S, or SPAN 33 and/or 34, or SPAN 63M and/or 64M. Continuation of Spanish 1, presenting the fundamentals of Spanish (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Hispanic culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. (CAN SPAN 4) (SPAN 1 & 2 = CAN SPAN SEQ A). *Five hours lecture, one hour weekly of listening to tapes.*

SPAN 33

3 Units

Second Semester Spanish, Part I

Prerequisites: SPAN 1, or SPAN 1S, or SPAN 32, or SPAN 62M. Not open for credit to students who have received credit for SPAN 2, SPAN 2S, or SPAN 63M. Continuation of Spanish 1 (or Spanish 32), presenting the fundamentals of Spanish (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Hispanic culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. *Three hours lecture.*

SPAN 34

3 Units

Second Semester Spanish, Part II

Prerequisites: SPAN 33 or SPAN 63M. NOTE: Not open for credit to students who have received credit for SPAN 2 or SPAN 2S. Continuation of Spanish 33, presenting the fundamentals of Spanish (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Hispanic culture. Exams, quizzes, written assignments and completion of the lab manual will be used to evaluate student progress. *Three hours lecture.*

SPAN 2S

5 Units

Spanish for Spanish Speakers 2

Prerequisite: SPAN 1S, or SPAN 1, or SPAN 31 and 32, or SPAN 61M and 62M, and oral fluency in Spanish. NOTE: Not open to students who have completed SPAN 2, or SPAN 33 and/or 34, or SPAN 63M and/or 64M. Course Advisories: SCC minimum English and math standards. This course, which is conducted in Spanish, is the second part of a two-semester sequence designed for fluent speakers of Spanish who are proficient in the language, but who have had little or no formal language training. It is meant to provide Spanish language experiences for Spanish-speaking students in pronunciation, aural comprehension, oral and written communication, word usage and vocabulary, reading of prose and elementary principles of grammar. Exams, quizzes, written and oral assignments, and participation in group discussions will be used to evaluate student progress. *Five hours lecture.*

Foreign Languages

SPAN 3

5 Units

Third Semester Spanish

Prerequisites: SPAN 2, or SPAN 2S, or SPAN 34, or SPAN 64M, or three years of high school Spanish. A continuation of Spanish 1 and 2. Extensive work is required in grammar, reading, writing, and conversation. Reading includes representative literary selections by Spanish and Latin American writers. Exams, quizzes, and compositions will be used to evaluate student progress. (CAN SPAN 8) (SPAN 3 & 4 = CAN SPAN SEQ B). Five hours lecture.

SPAN 4

5 Units

Fourth Semester Spanish

Prerequisites: SPAN 3 or four years of high school Spanish. Continuation of Spanish 3. Reviews and expands knowledge of elements previously learned, while introducing new material. Exposure to the culture and thinking of the Hispanic peoples is accomplished through the reading of literature by representative Spanish or Latin American writers. Exams, quizzes and compositions will be used to evaluate student progress. (CAN SPAN 10) (SPAN 3 & 4 = CAN SPAN SEQ B). Five hours lecture.

SPAN 11

3 Units

Conversational Spanish

Prerequisite: SPAN 2, or SPAN 2S, or SPAN 34, or SPAN 64M with a grade of "C" or better. Designed to promote competency in the oral use of the language and to increase fluency by reinforcing previously learned materials and by expanding vocabulary and patterns of speech. This course emphasizes the practical application of the language, not grammar acquisition or review. Three hours lecture.

SPAN 12

3 Units

Intermediate Spanish Conversation

Prerequisite: SPAN 11. Continuation of Spanish 11, and is designed to promote competency in the oral use of the language and to increase fluency by reinforcing previously learned materials and by expanding vocabulary and patterns of speech. The course emphasizes the practical application of the language, not grammar acquisition or review. Three hours lecture.

SPAN 25

3 Units

Introduction to Latin-American Culture: An Exploration of Identity Through Essay, Film, and Short Story

Prerequisite: SPAN 3. Course Advisory: SCC minimum English standard. Explores the Latin-American identity: What is Latin America and who are the Latin Americans? The focus will be on contemporary issues, customs, political and historical events, and major institutions of Latin America as expressed in contemporary Latin-American essays, films and short stories. This course will be taught in Spanish. Three hours lecture.

SPAN 61M

3 Units

Beginning Spanish, Part 1 for Medical Workers

Prerequisite: None. NOTE: Students who complete this course will not be able to receive credit for SPAN 31, SPAN 1, or SPAN 1S. Course Advisory: SCC minimum English standard. Introduces the basic elements of the language (listening, speaking, reading, writing and culture), with emphasis on language production in a medical setting. Grammar, syntax, and vocabulary building will be taught with the aim of producing oral and written competency in a medical setting. Exams, quizzes, and written assignments will be used to evaluate student progress. Three hours lecture, one hour weekly by arrangement.

SPAN 62M

3 Units

Beginning Spanish, Part 2 for Medical Workers

Prerequisite: SPAN 61M or SPAN 31. Course Advisory: SCC minimum English standard. NOTE: Students who complete this course will not be able to get credit for SPAN 32, SPAN 1, or SPAN 1S. Introduces the basic elements of the language (listening, speaking, reading, writing and culture), with emphasis on language production in a medical setting. Grammar, syntax, and vocabulary building will be taught with the aim of producing oral and written competency in a medical setting. Exams, quizzes, and written assignments will be used to evaluate student progress. Three hours lecture, one hour weekly by arrangement.

Foreign Languages

SPAN 63M

3 Units

Beginning Spanish, Part 3 for Medical Workers

Prerequisites: SPAN 62M, or SPAN 32, or SPAN 1, or SPAN 1S. Course Advisory: SCC minimum English standard. NOTE: Not open to students who have completed SPAN 2, or SPAN 2S, or SPAN 33. Continuation of SPAN 62M, presenting the fundamentals of Spanish (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production in a medical setting. Grammar, syntax, and vocabulary building will be taught with the aim of producing oral and written competency in a medical setting. Exams, quizzes, and written assignments will be used to evaluate student progress. *Three hours lecture, one hour weekly by arrangement.*

SPAN 64M

3 Units

Beginning Spanish, Part 4 for Medical Workers

Prerequisite: SPAN 63M or SPAN 33. Course Advisory: SCC minimum English standard. NOTE: Not open to students who have completed SPAN 2, or SPAN 2S, or SPAN 34. Continuation of SPAN 63M, presenting the fundamentals of Spanish (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production in a medical setting. Grammar, syntax, and vocabulary building will be taught with the aim of producing oral and written competency in a medical setting. Exams, quizzes, and written assignments will be used to evaluate student progress. *Three hours lecture, one hour weekly by arrangement.*

Tagalog

TAG 101

3 Units

Conversational Tagalog

Course Advisory: SCC minimum English standard. An introduction to basic Tagalog designed to acquaint student with basic sentences and vocabulary used in daily conversation. The course will include emphasis on proper pronunciation and intonation as well as an introduction to Philippine customs and culture. *Three hours lecture.*

TAG 102

3 Units

Conversational Tagalog

Prerequisite: TAG 101. An intermediate study of basic Tagalog which introduces students to more intricate sentence patterns and further use of functional words in oral communication. The course will also include further study of Philippine culture and new points of Tagalog grammar. *Three hours lecture.*

FLANG 49

1-3 Units

Honors Program (French, German, Latin or Spanish)

Prerequisites: Completion of 24 units of college credit with a minimum GPA of 3.3; a minimum of 5 units in the discipline with a grade of "B" or better; an ability to work independently; permission of the Dean based on instructor availability. Independent study and research, by arrangement with the instructor, in specified fields of study in a foreign language, or creative writing in a foreign language. French, German and Spanish may be repeated to a maximum of 6 units, including initial enrollment. *Three to nine hours weekly by arrangement.*

Special Topics

These courses, numbered 48 or 98, depending upon their transferability, are courses of contemporary interest centered on changing knowledge and important issues in the field. Announcements of Special Topics courses appear in the Schedule of Classes.

Health Occupations Division

Nursing, Registered

Program Description

The Registered Nursing Program at Solano Community College is a 2-year Associate Degree Program fully accredited by the State Board of Registered Nursing and is subject to its regulations regarding the education and training of nurses. Graduates of the Program comply with the American Nurses Association code for Nursing Practice and the Nurse Practice Act of the state of California. Successful completion of the program qualifies the student to take the National Council Licensing Examination (NCLEX) to become a Registered Nurse. The practice of nursing requires knowledge of the biological, behavioral, and physical sciences, as well as knowledge of, and the ability to speak, to read, and to write the English language. This program follows the policy of non-discrimination set forth by the Governing Board of Solano Community College.

Associate in Science Degree

The Associate in Science Degree is awarded upon successful completion of the major and general education requirements.

Program Requirements and Courses

All courses taken toward the Registered Nursing Degree must be completed with a letter grade of "C" or better.

Students are encouraged to attend a Registered Nursing Information Session prior to seeing a counselor individually. These sessions provide a basic understanding of the nursing program and the requirements for application. Students applying to the program may see any counselor; however, students transferring with numerous transcripts should make an appointment to see the Nursing Counselor.

Application Procedures

Prerequisites

To be eligible to apply to the Registered Nursing Program, students must have completed the following four prerequisite courses with letter grades of "C" or better:

- ENGL 1 College Composition (3 units)
- BIOSC 6 Human Anatomy (5 units)
- BIOSC 5 Introductory Physiology (5 units)
- BIOSC 14 Principles of Microbiology (4 units)

Complete the following courses with letter grades of "C" or better prior to entering the second semester of the Nursing Program:

- NUTRI 10 Nutrition (3 units)
- HU DV 70 Lifespan Human Development (3 units)
- NURSE 52 Pharmacology (3 units)

We recommend that you complete the above three courses prior to entering the program to prevent overload and improve success in the first semester. It is highly recommended that ENGL 62 or the college reading requirement be met prior to entering the program.

Application Steps:

1. Complete an application to Solano Community College.
2. Attend a Registered Nursing Information Session.
3. Obtain all required transcripts. You must have official transcripts sent to the Office of Admissions.
4. See a counselor for an evaluation of major requirements and to receive the Nursing referral form verifying completion of prerequisites. Overall GPA must be at least 2.0.
5. Take referral form to the Health Occupations Division, Building 800 to receive a Nursing Application.

Health Occupations

6. Submit completed application.
7. Eligibility to enter the Nursing Program will be determined by a 'composite score' which is a combination of: (a) overall college GPA, (b) English GPA, (c) core Biology (Anatomy, Physiology & Microbiology) GPA, and (d) core Biology course repetitions.
8. Once eligibility has been determined, qualified students will receive a wait list number.

Prior to First Class Meeting, Students Must Have:

1. Physical examination indicating physical fitness and freedom from illness with required immunizations.
2. Cardiopulmonary Resuscitation (CPR) for Health Care Providers card.
3. Attended an orientation meeting with nursing faculty to be arranged by Health Occupations.
4. Taken the reading assessment test or have met the reading requirement for graduation.
5. Provided a clear criminal background check and drug screen.

Retention in Program:

1. Students are required to undergo criminal background checks and drug screens. The Health Occupations Division may be unable to place students in a clinical setting if they have a positive criminal background check or drug screen; therefore, the student may be dropped from the nursing program.
2. If a student's conduct poses potential harm to the well-being of clients, the student may be terminated from the nursing program.
3. If a student's physical or emotional health appears to be such that he or she cannot meet the objectives of the program in nursing, the student may be asked to leave the nursing program.
4. In order to remain in the program and to graduate, a student must maintain a letter grade of "C" or better in the theory and the clinical portions of the nursing program.
5. Maintain current CPR & TB screening.

Required Courses

Nursing courses must be taken in sequence because one course is prerequisite to another.

	Units		Units
NURSE 58—Mediated Skills Dev. (Concurrent enrollment in NURSE 58 is required for each of the following Nursing courses except NURSE 52, 61 & 65.)	.5-1.5	Second Year Courses	
		NURSE 60—Nrsng. of Adults II/ Medical-Surgical Nsg.	5
		NURSE 61—Mental Health Nsg.	5
		NURSE 63—Nrsng. of Adults III/Adv. Med-Surgical Nsg. & Community Health Nursing	4.5
		NURSE 64—Issues and Trends in Nursing.	1.5
		NURSE 65—Role Transition, Management Theory & Practice	4
First Year Courses	Units	Concurrent Courses	
NURSE 50A—Fund. of Nursing	3	The following courses are required for graduation and must be completed prior to entering the fourth semester of the Nursing Program, as the fourth semester schedule does not accommodate the scheduling of other courses.	
NURSE 50B—Basic Human Needs	3.5		
*HU DV 70—Lifespan Human Dev.	3	ENGL 62 or meet the reading requirement	0-3
*NUTRI 10—Nutrition	3	Communications course other than ENGL 1	3
*NURSE 52—Pharmacology for Health Care Professionals I	3		
NURSE 54—Maternal-Child Nrsng	5		
NURSE 55—Nursing of Adults I	5		
**PSYCH 1—Intro. to Psychology OR			
SOCSC 22—Ethnic, Racial, and Minority Group Relations in Harmony & Conflict	3		

*Course must be completed prior to entry into NURSE 54/55

**Course must be completed prior to entry into NURSE 60/61

In accordance with state law, the California Board of Registered Nursing (BRN) may deny licensure to an individual for crimes substantially related to the practice of nursing. Upon acceptance to the nursing program, any student who has had a conviction related to sex crimes, drug crimes (including DUI) and crimes of violence may need to contact the BRN regarding his/her status.

Health Occupations

Career Mobility

The Career Mobility Program at Solano Community College provides an opportunity for qualified licensed vocational nurses to be admitted to the third semester of the Registered Nursing program. The program is designed to prepare technically competent nurses for service in the community. The curriculum includes study in general education, biophysical and social science courses. Principles derived from academic study are applied to the practice of nursing. The nursing major is comprised of lecture-discussion classes on campus and client care laboratory experience in agencies within the community. Nursing preparation includes the care of adults and children in medical, surgical, psychiatric and community settings. This program is accredited by the California Board of Registered Nursing.

Program Information

Licensed vocational nurses have two career mobility options:

Associate Degree Option:

Applicants must complete prerequisites for the nursing program, science courses and the general education requirements for the Associate Degree. By choosing this option:

- You would complete a total of 49 to 52 units toward the 60 units required for the Associate Degree.
- You would be a graduate of an accredited ADN program.
- You would be eligible for RN licensure by endorsement in other states.

Prerequisites

To be eligible to apply to the Career Mobility Program Associate Degree Option, students must have completed:

- ENGL 1 - College Composition (3 units)
 - BIOSC 6 - Human Anatomy (5 units)
 - BIOSC 5 - Introductory Physiology (5 units)
 - BIOSC 14 - Principles of Microbiology (4 units)
 - NUTRI 10 - Nutrition (3 units)
 - HU DV 70 - Lifespan Human Development (3 units)
 - NURSE 52 - Pharmacology for Health Care Professionals I (3 units)
 - PSYCH 1 - Introduction to Psychology: Individual & Social Processes (3 units)
- OR
- SOCSC 22 - Ethnic, Racial, and Minority Group Relations in Harmony and Conflict (3 units)

NOTE: It is highly recommended that ENGL 62 or the college reading requirement be met prior to entering the program. All courses required for graduation should be completed prior to entering the fourth semester of the Nursing program, as the fourth semester schedule does not accommodate the scheduling of other classes.

Thirty-Unit Option:

By choosing this option:

- You would complete a total of 29 to 30 units.
- You would not be a graduate of an Associate Degree Program.
- You would not be a graduate of the Solano College nursing program and may not wear the school pin.
- You would be eligible for licensure in California and may not be eligible for licensure in other states.

Prerequisites

- BIOSC 5 - Introductory Physiology (5 units)
- BIOSC 14 - Principles of Microbiology (4 units)

Application Steps

1. Complete an application to Solano Community College.
2. Attend a Registered Nursing Information Session.
3. Obtain all required transcripts. You must have official transcripts sent to the Office of Admissions.
4. See a counselor for an evaluation of major requirements and to receive the Nursing referral form verifying completion of prerequisites. Overall GPA must be at least 2.0.
5. Take referral form to the Health Occupations Division, Building 800 to receive a Nursing Application.
6. Submit completed application.
7. Eligibility to enter the Nursing Program will be determined by a 'composite score' which is a combination of: (a) overall college GPA, (b) English GPA, (c) core Biology (Anatomy, Physiology & Microbiology) GPA, and (d) core Biology course repetitions.
8. Once eligibility has been determined, qualified students will receive a wait list number.

Other Requirements

Upon admission to the program, students are required to enroll in NURSE 159 during the summer session.

Prior to First Class Meeting, Students Must Have:

1. Physical examination indicating physical fitness and freedom from illness with required immunizations.
2. Cardiopulmonary Resuscitation (CPR) for Health Care Providers card.
3. Attended an orientation meeting with nursing faculty to be arranged by Health Occupations.
4. Taken the reading assessment test or have met the reading requirement for graduation.
5. Provide a clear criminal background check and drug screen.

Retention in Program:

1. Students are required to undergo criminal background checks and drug screens. The Health Occupations Division may be unable to place students in a clinical setting if they have a positive criminal background check or drug screen; therefore, the student may be dropped from the nursing program.
2. If a student's conduct poses potential harm to the well-being of clients, the student may be terminated from the nursing program.
3. If a student's physical or emotional health appears to be such that he or she cannot meet the objectives of the program in nursing, the student may be asked to leave the nursing program.
4. In order to remain in the program and to graduate, a student must maintain a letter grade of "C" or better in the theory and the clinical portions of the nursing program.
5. Maintain current CPR & TB screening.

In accordance with state law, the California Board of Registered Nursing (BRN) may deny licensure to an individual for crimes substantially related to the practice of nursing. Upon acceptance to the nursing program, any student who has had a conviction related to sex crimes, drug crimes (including DUI) and crimes of violence may need to contact the BRN regarding his/her status.

Job-Direct Certificate Requirements

Certified Nursing Assistant

Units

NURSE 200—Certified Nursing Assistant/Home Health Aide $\frac{6}{6}$

Emergency Medical Technician I

Units

EMT 212—Emergency Medical Technician I $\frac{4.5-5}{4.5-5}$

Nursing

Emergency Medical Technician I

EMT 212

4.5-5 Units

Emergency Medical Technician (Basic)

Prerequisites: Current BLS/CPR for Healthcare course completion card. Course Advisories: SCC minimum English and math standards; must be eighteen (18) years of age or older for certification (Title 22, Division 9, Chapter 2, California Code of Regulations). Based on state EMSA regulations, the goal of the EMT (Basic) course is 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. The course has lecture/discussion sessions & skills practice time. Course content includes: use of airway & ventilation devices during CPR; use of automated external defibrillator (AED); patient assessment (medical & trauma); management of shock & bleeding; use of bandages, splints & spinal immobilization; use of backboards & gurneys; management of emergency childbirth; monitoring IV solutions; assisting patients with home medications; safe removal of patients from vehicles; trauma & triage. Students completing the course for 4.5 units participate in lecture and lab practice activities throughout; students completing the course for 5.0 units additionally attend pre-assigned observation times with an emergency department and with an ambulance. Students successfully completing the course for 5.0 units are eligible to take the state EMS exam for certification. Certification enables students to qualify for employment with ambulance services, fire or rescue services, search and rescue crews, ski patrol or other related pre-hospital emergency care positions. (NOTE: By law, applicants for certification must be at least 18 years of age). Three and three-quarters hours lecture, three and three-quarters hours activity.

EMT 213

1 Unit

Emergency Medical Technician (Basic) Refresher

Prerequisite: EMT 212 or equivalent or previous EMT 213. Course Advisories: SCC minimum English and math standards. Consists of review and update of EMT 212 course content and focuses on "hands-on" practice of all pre-hospital emergency skills, meeting the education requirements for EMT renewal. Topics and skills include: legal issues (including HIPAA), trauma, triage, use of airway/ventilation equipment with CPR, automated external defibrillation (AED), patient exam (medical & trauma), assessments and treatments for breathing, cardiovascular, neurologic, musculoskeletal, soft tissue injury, childbirth & environmental emergencies. Students apply assessments and treatments during pre-planned patient care skills scenarios to meet EMSA requirements for skills verification. May repeat every 1-2 years, ad infinitum (as stipulated by EMSA regulations for EMT I refresher and renewal). Four and one half hours lecture, four and one half hours activity (3 week course).

Professional Education

These courses are *not* part of the Registered Nursing Program.

NURSE 111

3 Units

Medical Terminology

Course Advisories: SCC minimum English and math standards. Study of the language of medicine. An introduction to terms, word roots and abbreviations related to medical practice and the functioning of the systems of the body. Three hours lecture.

NURSE 159

2 Units

Career Mobility Transition

Prerequisites: Current LVN Licensure and acceptance into the ADN Program; authorization to enroll. Course Advisories: SCC minimum English and math standards. A course designed to facilitate the transition of the LVN Career Mobility student into the third semester of the ADN program. This course focuses on skills needed for successful transition from the LVN role to the role of RN student, i.e., role differentiation, critical thinking/nursing process, and nursing program philosophy and objectives. This course presents the major theoretical concepts that are the foundation for the Registered Nursing curriculum. This course encompasses both classroom activities and opportunities to apply theoretical knowledge in the clinical setting. Three hours lecture, three and one-half hours lab (8 week course).

NURSE 200

6 Units

Certified Nursing Assistant/Home Health Aide

Course Advisories: SCC minimum English and math standards. Prepares the student to function in the role of Certified Nursing Assistant in the acute care, long-term care, and home health settings. Upon completion, the student is eligible to take the state CNA examination. Five hours lecture, fifteen hours lab (10 week course).

NURSE 219

2 Units

Cardiac Rhythms

Course Advisories: SCC minimum English and math standards. Designed for health care professionals who need to distinguish among the various cardiac rhythms/dysrhythmias while caring for patients on cardiac monitors. Topics include: basic cardiac physiology, electrophysiology of cardiac tissues; basic pathophysiology of coronary artery disease; identification and interpretation of sinus rhythms versus cardiac dysrhythmias; application of chest monitoring electrodes and 12 Lead ECG electrodes; and use of an oscilloscope. Four hours lecture (8 week course).

NURSE 223

4 Units

Critical Care Nursing

Prerequisites: RN or LVN Licensure and NURSE 219. Course Advisories: SCC minimum English and math standards. Designed for staff nurses to provide essential knowledge and skills to adequately function in a critical care unit. For each body system, course content includes: brief review of anatomy and physiology; identification of critical illness states; potential complications; correlation of specific physical assessment/laboratory data; operational principles for the use of critical care equipment; nursing care responsibilities in the care of the critically ill patient; legal aspects of critical care nursing. *Four hours lecture.*

NURSE 230

4 Units

Emergency Nursing

Prerequisites: RN or LVN licensure and NURSE 219. Course Advisories: SCC minimum English and math standards. Prepares staff nurses with essential knowledge and skills to function effectively within an emergency department. Course content is based on CORE CURRICULUM, published by the Emergency Nurses' Association. Topics include the emergency care of patients with: respiratory, cardiovascular, shock, neurological, orthopedic, abdominal, ENT, obstetrical, gynecological, genitourinary, pediatric, environmental, endocrine, trauma, psychological, psychiatric, abuse, and toxicologic emergencies. For each topic, pertinent physical and laboratory assessments, priorities of nursing care, interventions, and standards for documentation are explored. *Four hours lecture.*

Special Topics

These courses, numbered 98, 148, or 248 depending upon their transferability, are courses of contemporary interest centered on changing knowledge and important issues in the field. Announcements of Special Topics courses appear in the Schedule of Classes.

Registered Nursing

NURSE 50A

3 Units

Fundamentals of Nursing

Prerequisites: ENGL 1, BIOSC 5, BIOSC 6, BIOSC 14 with grades of "C" or better; current CPR; current physical exam and immunizations; authorization to enter RN program. Concurrent enrollment in NURSE 58. Course Advisories: SCC minimum English and math standards. Introduces the principles of nursing to meet needs common to all individuals. Utilizing the concept of homeostasis and communications theory, the student will study stressors affecting the client's position on the wellness-illness continuum. The nursing process will be introduced and utilized at the beginning level. The basis of the nurse-client relationship will be explored. Clinical assignments and self-study modules will be offered concurrently with theory. *Three hours lecture, nine hours lab (8 week course).*

NURSE 50B

3.5 Units

Basic Human Needs

Prerequisites: NURSE 50A with a grade of "C" or better; Concurrent enrollment in NURSE 58. Course Advisories: SCC minimum English and math standards. An introduction to the demands for increased care that are necessitated by deviations in health in the adult. Emphasis is placed on the basic human needs of activity and rest, oxygenation, fluid and electrolytes, nutrition, comfort, and elimination. Also included in the course are gerontology, nursing process, oral and injectable medication administration, wound care, and care of the adult surgical client. Clinical assignments and self-study modules will be offered concurrently with theory. *Five hours lecture, seven and one-half hours lab (8 week course).*

NURSE 52

3 Units

Pharmacology for Health Care Professionals I

Prerequisite: BIOSC 5 with a grade of "C" or better. Course Advisories: SCC minimum English and math standards. Introductory principles of pharmacology with emphasis on the therapeutic use of drugs. Topics of study include sources of drugs, drug nomenclature, drug actions in the body, variables that affect drug actions, drug interactions, adverse effects of drugs, and substance abuse. Special attention is given to anti-infective drugs, cardiac drugs, diuretic drugs, and drugs of the autonomic nervous system. *Three hours lecture.*

NURSE 54

5 Units

Maternal-Child Nursing

Prerequisites: NURSE 50A & 50B, NURSE 52, NUTRI 10, and HU DV 70 with grades of "C" or better; concurrent enrollment in NURSE 58. A family centered course with emphasis on nursing care of women and children. The focus includes the antepartal, intrapartal, postpartal, neonatal and pediatric client, both sick and well. This course provides students the opportunity to synthesize and utilize nursing knowledge and skills in providing care to clients in a variety of settings. Concepts of homeostasis, communication, and growth and development are integrated throughout the course. The nursing process is utilized with concepts of legal aspects, pharmacology, clinical skills, safety and asepsis, crisis intervention, health teaching, and self-evaluation. Clinical assignments and self-study modules are offered concurrently with theory. This course must be completed successfully with a grade of "C" or better to advance in the nursing program. *Five hours lecture, fifteen hours lab (8 week course).*

Nursing

NURSE 55

5 Units

Nursing of Adults I

Prerequisites: Completion of NURSE 50A & 50B, NURSE 52, NUTRI 10, and HU DV 70 with grades of "C" or better; concurrent enrollment in NURSE 58. Covers the theory and practice of nursing necessary to assist the adult in meeting selected health care needs. Emphasis is placed on the client experiencing health alterations in the musculoskeletal, respiratory, cardiovascular and gastrointestinal systems. The concepts of safety, communication, clinical decision making, asepsis, pharmacology, legality, ethics, health teaching and self-evaluation are integrated throughout the course. Issues related to culture, developmental level and sexuality are considered, as nursing care is individualized to the client. Skill modules and clinical experiences are offered concurrently with theory. *Five hours lecture, fifteen hours lab (8 week course).*

NURSE 58

.5 -1.5 Units

Mediated Skills Development

Prerequisites: Concurrent enrollment in either NURSE 50A & 50B, 54, 55, 60, or 63. A variable unit course which is required of all nursing students in each semester of the nursing program. A portion of the unit credit may be used for group and/or individual study time. Students have the opportunity to practice the required skills modules for each nursing course. This practice takes place under the supervision of the skills laboratory instructor, a registered nurse. The skills modules have been leveled to match the content. Students must demonstrate competency in all of the assigned skills modules. Peer checkoff is permitted on some of the modules, whereas more complex modules require checkoff by the skills lab instructor. The mediated skills lab is a valuable adjunct to all of the nursing courses as it allows students the time and place to not only practice and master skills, but to study theoretical concepts. This is a credit/no-credit class. May be repeated to a maximum of 6 units, including initial enrollment. *One and one-half to four and one-half hours lab.*

NURSE 60

5 Units

Nursing of Adults II/Medical-Surgical Nursing

Prerequisites: NURSE 54, NURSE 55 and either PSYCH 1 or SOCSC 22 with grades of "C" or better; concurrent enrollment in NURSE 58. This course continues with the theory and practice of nursing necessary to assist the adult in meeting selected health care needs. Emphasis is placed on the client experiencing health alterations in the endocrine, neurological and immune systems. The concepts of safety, communication, clinical decision-making, asepsis, pharmacology, legality, ethics, health teaching, and self-evaluation are integrated throughout the course. Issues related to culture, developmental level and sexuality are considered, as nursing care is individualized to the client. Leadership and management concepts are introduced. Skill modules and clinical experiences are offered concurrently with theory. *Five hours lecture, fifteen hours lab (8 week course).*

NURSE 61

5 Units

Psychiatric and Mental Health Nursing

Prerequisites: NURSE 54 & NURSE 55 and either PSYCH 1 or SOCSC 22 with grades of "C" or better. Course Advisories: SCC minimum English and math standards. Theory and practice related to mental health and illness is studied. This includes the principles and practices of mental health nursing using the prevailing psychobiological theories of mental health and illness, interpersonal communication, group process, growth and development and sociocultural theories. The nursing process is emphasized as the student nurse maintains and promotes mental health and seeks to prevent mental illness. Clinical experience is provided concurrently with theory in acute psychiatric hospitals, long-term care facilities and community agencies. Opportunity is provided for working with children, adolescents and adults individually, as well as in groups. *Five hours lecture, fifteen hours lab (8 week course).*

NURSE 63

4.5 Units

Nursing of Adults III/Advanced Medical- Surgical Nursing and Community Health Nursing

Prerequisites: NURSE 60 and 61 with grades of "C" or better; concurrent enrollment in NURSE 58. Course Advisories: SCC minimum English and math standards. This course builds on the concepts introduced in previous nursing courses. Complex alterations in physiological processes are studied as they relate to multiple body systems. This course provides the student with the opportunity to implement care in the medical surgical, critical care and community settings, and to refine their clinical skills. The focus is to provide care to multiple clients who have complex multi-system illnesses and to clients in the community. This course facilitates the student's entry into the profession of nursing. Legal and ethical responsibilities related to nursing practice are considered. Skill modules and clinical experience is offered concurrently with theory. *Three hours lecture, sixteen hours lab (10 week course).*

NURSE 64

1.5 Units

Issues and Trends in Nursing

Prerequisites: NURSE 60 and 61 with grades of "C" or better. Course Advisories: SCC minimum English and math standards. Assists the graduates' entry into the profession of nursing. Topics include the trends in scope of practice and roles of the nurse in an ever-changing health care delivery system. Included is the delineation of the major functions of professional nursing organizations, accountability in nursing practice (quality improvement), identification of socio-political factors influencing professional nursing, and an introduction to nursing research. Legal and ethical responsibilities related to nursing practice are further considered. This is a non-clinical course. *Three hours lecture (10 week course).*

NURSE 65**4 Units****Role Transition, Management Theory and Practice**

Prerequisites: NURSE 63 & NURSE 64 with grades of "C" or better. Course Advisories: SCC minimum English and math standards. Management and leadership concepts applicable to a variety of health care settings are taught and practiced. Emphasis is placed on working with groups. This course builds upon NURSE 63 and NURSE 64 facilitating the graduates' entry into the nursing profession. Topics which include the transition from student to registered nurse, decision making and values clarification, management, leadership, and organization are presented in the theoretical setting while students have the opportunity to practice their newly learned skills in the clinical agency. The student will work with a nurse preceptor in learning to assume the R.N. role while directing and evaluating the nursing care that other health care givers provide. *Three hours lecture, twenty-four hours laboratory (6 week course).*

NURSE 100**2 Units****Exploring Health Occupations**

Course Advisories: SCC minimum English and math standards. Explores the diversity of health care occupations currently available and is intended for students considering a health care career. Examples of health occupations include: certified nursing assistant (CNA), respiratory therapist, physician & physician assistant, nursing (LVN & RN), biotechnology technician, emergency medical technician (EMT I), paramedic (EMT P), radiology technician, physical therapist & assistant, pharmacist & pharmacy technician. Students compare and contrast various health occupation(s) in terms of the personal and professional attributes for the job, specific job skills needed, basic educational preparation and potential for advancement. In addition to classroom discussions and library research, students interview people in health care jobs, go on field trips to health care facilities and evaluate the health occupations that most interest them. *Four hours lecture (9 week course).*

NURSE 101**3 Units****Preparation for Nursing**

Course Advisories: SCC minimum English and math standards. Designed to provide pre-nursing and beginning nursing students with realistic and useful strategies to enhance their success in reaching this career goal. Students will gain a realistic understanding of the nursing profession; critically analyze their own strengths, and develop strategies to identify and strengthen areas needing improvement. The course will also provide the student with the knowledge and skills to identify and locate social and financial resources; develop and/or enhance language, math and communication skills to work effectively with a culturally diverse population; develop and enhance critical thinking skills; and enhance self-assessment and accountability skills. *Three hours lecture.*

NURSE 102**1-4 Units****Nursing Work-Study**

Prerequisite: NURSE 54, 55 and authorization by Dean to enroll. NOTE: One to four units of workstudy experience at a ratio of 1 unit=75 paid hours or 60 unpaid hours. No student will be allowed to enroll for more than four units per semester. Course Advisories: SCC minimum English and math standards. This work-study course is offered through Solano Community College Associate Degree Nursing Program in cooperation with selected clinical agencies. Students apply previously learned nursing theory and clinical skills in assigned patient care settings under the direct supervision of selected RN nurse preceptors. The work experience is supervised by a Solano Community College Nursing Instructor and the clinical agency coordinator. Student functions will include clinical skills in which previous training and competency in skill performance has already been demonstrated and documented on the student's skills competency checklist. This course is a credit/no credit course. Repeatable to a maximum of twelve units. Combined units for all work experience courses shall not exceed 12. *Five to nineteen hours by arrangement.*

History

Humanities Division

Program Description

This program emphasizes the development of various societies through a chronological study of the major social, political, economic, and cultural forces which have shaped these societies. Students in this program may study a variety of historical fields including United States, World, Western Civilization, Native-American, Philippine, African-American, Mexican and Mexican-American, California and Women's History.

Associate in Arts Degree

The Associate in Arts Degree can be obtained upon completion of a total of 60 units, including the 18-unit major, general education requirements and electives.

Required Courses

	Units
HIST 2—World History to 1750	
OR	
HIST 4—History of Western Civ. to 1500	3
HIST 3—Modern World History	
OR	
HIST 5—History of Western Civ. Since 1500	3
HIST 17 & 18—History of the United States (3 & 3 units)	6
Electives selected from the following categories	6
	18

Students may choose to concentrate their program by selecting elective courses from one category or, for a more diverse program, elective courses may be selected from different categories.

	Units
I. United States	
HIST 10—California History	3
HIST 25—Intro./Native American Studies	3
HIST 28—African-American History	3
HIST 31—Mexican American/Chicano History	3
HIST 37—Women in American History	3
HIST 49—History Honors	1-3
II. World History	
HIST 2—World History to 1750	3
HIST 3—Modern World History	3
HIST 4—Hist./Western Civ. to 1500	3
HIST 5—Hist./Western Civ. Since 1500	3
HIST 30—History of Mexico	3
HIST 32—History of the Philippines	3
HIST 49—History Honors	1-3
III. Ethnicity and Gender Studies	
HIST 25—Intro./Native American Studies	3
HIST 28—African-American History	3
HIST 29—African-American History	3
HIST 31—Mexican American/Chicano History	3
HIST 32—History of the Philippines	3
HIST 37—Women in American History	3
HIST 49—History Honors	1-3

History

HIST 2 World History to 1750 <i>Course Advisories: Eligibility for ENGL 1; SCC minimum math standard.</i> An integrated, holistic study of world civilizations from their beginnings to the mid-18th century. Emphasis will be placed on a critical assessment of the cultural achievements, belief systems and economic, political and social structures of the major global civilizations. We will also study the interconnections which linked these cultures into an integrated world system during the early modern period. <i>Three hours lecture.</i>	3 Units	HIST 4H Honors History of Western Civilization to 1500 <i>Prerequisites: Eligibility for Honors Program and ENGL 1 with a grade of "B" or better.</i> An honors course in the history of western civilization from its beginning through the Renaissance. Emphasis will be on analyzing the major social, political, economic and cultural forces that have shaped European societies. <i>Three hours lecture.</i>	3 Units
HIST 2H Honors World History to 1750 <i>Prerequisites: Eligibility for Honors Program and ENGL 1 with a grade of "B" or better.</i> An honors course in the study of world civilizations from their beginnings to the mid-18th century. Emphasis will be placed on a critical assessment of the cultural achievements, belief systems and economic, political and social structures of the major global civilizations. We will also study the interconnections that linked these cultures into an integrated world system during the early modern period. <i>Three hours lecture.</i>	3 Units	HIST 5 History of Western Civilization Since 1500 <i>Course Advisory: Eligibility for ENGL 1.</i> Survey of the history of western civilization from 1500 to the present. Emphasis will be on analyzing the major social, political, economic and cultural forces which have shaped modern European history. (CAN HIST 4) (HIST 4 & 5 = CAN HIST SEQ A). <i>Three hours lecture.</i>	3 Units
HIST 3 Modern World History <i>Course Advisories: Eligibility for ENGL 1; SCC minimum math standard.</i> An integrated, holistic study of modern global history since 1500. Emphasis will be placed on the emergence of an interconnected world system in the modern era and the impact of that system on societies and cultures around the globe. The ongoing tension between tradition and modernity—shaped by wars, revolutions, and economic transformations—forms the central theme of the course. <i>Three hours lecture.</i>	3 Units	HIST 5H Honors History of Western Civilization Since 1500 <i>Prerequisites: Eligibility for Honors Program and ENGL 1 with a grade of "B" or better.</i> An honors course in the history of western civilization from 1500 to the present. Emphasis will be on analyzing the major social, political, economic and cultural forces which have shaped modern European history. <i>Three hours lecture.</i>	3 Units
HIST 3H Honors Modern World History <i>Prerequisites: Eligibility for Honors Program and ENGL 1 with a grade of "B" or better.</i> An honors course in the study of modern global history since 1500. Emphasis will be placed on the emergence of an interconnected world system in the modern era and the impact of that system on societies and cultures around the globe. The ongoing tension between tradition and modernity—shaped by wars, revolutions, and economic transformations—forms the central theme of the course. <i>Three hours lecture.</i>	3 Units	HIST 10 California History <i>Course Advisory: Eligibility for ENGL 1.</i> Survey of the history of California from the pre-colonial, Native American period to the modern state. Particular emphasis will be placed on the interplay of economic, political, social, and cultural forces that contributed to the development of this diverse state. <i>Three hours lecture.</i>	3 Units
HIST 4 History of Western Civilization to 1500 <i>Course Advisory: Eligibility for ENGL 1.</i> Survey of the history of western civilization from its beginning through the Renaissance. Emphasis will be on analyzing the major social, political, economic and cultural forces which have shaped European societies. (CAN HIST 2) (HIST 4 & 5 = CAN HIST SEQ A). <i>Three hours lecture.</i>	3 Units	HIST 17 History of the United States to 1865 <i>Course Advisory: Eligibility for ENGL 1.</i> Survey of the U.S. from the pre-colonial period through Reconstruction. This course will stress the development of the economic, social, political and cultural conditions that shaped the movements, events, and trends of this period of U.S. history. Special attention will be paid to analyzing cause-effect and comparative relationships among major historical developments. (CAN HIST 8) (HIST 17 & 18 = CAN HIST SEQ B). <i>Three hours lecture.</i>	3 Units

History

- HIST 17H** **3 Units**
Honors History of the United States to 1865
Prerequisites: Eligibility for Honors Program and ENGL 1 with a grade of "B" or better. An honors course in the history of the United States from the pre-colonial period through Reconstruction. This course will stress the development of the economic, social, political and cultural conditions that shaped the movements, events, and trends of this period of U.S. history. Special attention will be paid to analyzing cause-effect and comparative relationships among major historical developments. *Three hours lecture.*
- HIST 18** **3 Units**
History of the United States from 1865
Course Advisory: Eligibility for ENGL 1. A survey of the history of the U.S. from Reconstruction to the present. This course will stress the development of the economic, social, political and cultural conditions that shaped the movements, events, and trends of this period in U.S. history. Special attention will be paid to analyzing cause-effect and comparative relationships among major historical developments. (CAN HIST 10) (HIST 17 & 18 = CAN HIST SEQ B). *Three hours lecture.*
- HIST 25** **3 Units**
Introduction To Native American Studies
Course Advisories: Eligibility for ENGL 1; SCC minimum math standard. Introduction to Native American Studies with emphasis upon basic concepts related to Native American historical, cultural and political development. *Three hours lecture.*
- HIST 28** **3 Units**
African American History to 1877
Course Advisory: Eligibility for ENGL 1. A survey of the culture and experience, major events, and movements in the history of African Americans from African origins through 1877. Group development of political strategies to end slavery, gain citizenship, and combat racism, as well as individual contributions of African American leaders and intellectuals are emphasized. *Three hours lecture.*
- HIST 29** **3 Units**
African American History Since 1865
Course Advisory: Eligibility for ENGL 1. Examines particular major events, personalities and movements that have played an important part in the history of African Americans from the Reconstruction Period up to the present. *Three hours lecture.*
- HIST 30** **3 Units**
History of Mexico
Course Advisories: ENGL 370; SCC minimum math standard. A survey of Mexican history from the pre-colonial period to the present. This course will emphasize the varied economic, social, cultural, and political conditions and events that have combined to shape modern Mexico. Analysis of cause-effect and comparative relationships among major historical developments will be given special emphasis. Student success will be determined on completion of significant amounts of reading, writing, and critical analysis. *Three hours lecture.*
- HIST 31** **3 Units**
Mexican American/Chicano History
Course Advisories: Eligibility for ENGL 1; SCC minimum math standard. A survey of Mexican American/Chicano history from the pre-Columbian era of Mexico to the present. Course will emphasize the economic, social, cultural, and political conditions and events that have shaped the history of Mexican Americans/Chicanos. Analysis of cause-effect and comparative relationships among major historical developments will be given special emphasis. Student success to be determined upon completion of significant amounts of reading, writing, and critical analysis. *Three hours lecture.*
- HIST 32** **3 Units**
History of the Philippines
Course Advisory: Eligibility for ENGL 1. A historical survey of the Philippines with emphasis on the political, social, economic, legal and cultural developments. Major topics will focus on the anthropological, Asian, Spanish, Japanese and American influences, as well as independence movement, and political periods to the present. Students will be evaluated on their historical comprehension, critical and analytical written work. *Three hours lecture.*
- HIST 37** **3 Units**
Women in American History
Course Advisory: Eligibility for ENGL 1. A multi-cultural survey of American history from pre-colonial times to the present examining the impact of ethnic and cultural diversity, class, and gender on the lives of women. *Three hours lecture.*
- HIST 49** **1-3 Units**
History Honors
Prerequisites: Completion of 24 units of college credit with a minimum GPA of 3.3; a minimum of 6 units in the discipline with a grade of "B" or better; an ability to work independently; permission of the Division Dean based on instructor availability. An independent study project which results in a critical examination of history. May be repeated to a maximum of 6 units, including initial enrollment. *Three to nine hours weekly by arrangement with instructor and division Dean.*
- Special Topics**
These courses, numbered 48 or 98, depending upon their transferability, are courses of contemporary interest centered on changing knowledge and important issues in the field. Announcements of Special Topics courses appear in the Schedule of Classes.

Home Economics

Fine & Applied Arts/Behavioral Sciences Division

Program Description

This is an interdisciplinary program designed for students planning to transfer to a four-year college. Some course descriptions may be found below while others may be found under the appropriate disciplines.

Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained upon completion of the 18 -unit major. The Associate in Science Degree can be obtained upon completion of a total of 60 units, including the major, general education requirements, and electives.

Required Courses

	Units	Recommended Electives:
FASHD 31—Textiles	3	FASHD 31, 60, 66, 104, 152
FASHD 62—Clothing Construction		HM EC 99
OR		HU DV 39, 50, 53, 58, 75
FASHD 64—Adv. Constr./Tailoring	3	INTDS 51, 55
HU DV 40—Family Relationships	3	NUTRI 12, 101
HU DV 70—Lifespan Human Dev.	3	OCCED 90, 91
INTDS 50—Interior Design	3	
NUTRI 10—Nutrition	3	
	18	

Home Economics

HM EC 99

1-3 Units

Home Economics Honors

Prerequisites: Completion of 24 units of college credit with a minimum GPA of 3.3; a minimum of 5 units in the discipline with a grade of "B" or better; an ability to work independently; permission of the Division Dean based on instructor availability. Course Advisory: SCC minimum English standard. An independent study and research course. The specific fields of study include Fashion Design, Fashion Merchandising, Nutrition, Human Development, and Interior Design. Repeatable to a maximum of 6 units, including initial enrollment. *Three to nine hours weekly by arrangement with instructor and division Dean.*

HM EC 501

Non-Credit

Home Decorating Skills for Seniors

A community outreach course designed primarily for senior citizens. Provides creative ideas for designing and making custom home furnishings and accessories, including recycling and other low-cost decorating alternatives. Includes individual projects suited to students' needs, interests and capabilities. Repeatable 3 times. *One hour lecture, two hours lab (9 week course).*

Special Topics

These courses, numbered 98, 148, 248, or 348 depending upon their transferability, are courses of contemporary interest centered on changing knowledge and important issues in the field. Announcements of Special Topics courses appear in the Schedule of Classes.

Human Development

HU DV 38

3 Units

Child Development

Course Advisory: Eligibility for ENGL 1. A study of the developing human being from conception through the formative years with emphasis on the close interaction between heredity and the physical, cognitive and psychosocial environment. Observations are included. *Three hours lecture.*

HU DV 39

3 Units

School Years and Adolescent Development

Course Advisories: SCC minimum English standard; PSYCH 1 or HU DV 38. Development and maturation of the school-age child and the adolescent; the interrelationship of physical, mental, social, and emotional events will be discussed along with a survey of community resources. *Three hours lecture.*

HU DV 40

3 Units

Family Relationships

Course Advisory: SCC minimum English standard. A study of sociological and psychological factors influencing marriage and alternative life-styles in contemporary society, including factors which affect interpersonal relationships within the family. *Three hours lecture.*

Home Economics

HU DV 50 3 Units

Child, Family, Community

Course Advisory: Eligibility for ENGL 1. A study of the relationship between the child, his/her family and his/her community. Includes an analysis of the major theories of personality and social development. Special emphasis is given to the resources of the local community that are available to children and families. *Three hours lecture.*

HU DV 52 2 Units

Issues In Aging

Course Advisory: Eligibility for ENGL 1. An interdisciplinary course in care of the elderly, designed for family caregivers and for professional aides employed in homes or institutions which service the elderly whether they are "young old" or "frail elderly." *Two hours lecture.*

HU DV 53 3 Units

Child Development In a Multi-Ethnic Society

Course Advisories: SCC minimum English and math standards. Helps students learn to recognize and confront barriers that interfere with their ability to deal effectively with people who differ from themselves while examining the societal systems through which children grow and develop. The course is designed to help students understand the theoretical and practical applications in dealing with issues of diversity. *Three hours lecture.*

HU DV 58 3 Units

Life Management

Course Advisory: SCC minimum English standard. A survey of the areas of life which influence decision-making. Students are introduced to areas of human development (emotional, intellectual, physical, and social) which influence decision making. They will analyze and evaluate differences in values, motivation, and goals. Includes introduction to financial, time and stress management, and communication skills. Requires written papers and problem-solving exercises. *Three hours lecture.*

HU DV 70 3 Units

Lifespan Human Development

Course Advisory: Eligibility for ENGL 1. Note: Not open for credit to students who have successfully completed HU DV 38/39. A survey of human development throughout the life cycle, including physical, social, intellectual, and emotional development from conception to death. Includes direct observation. *Three hours lecture.*

HU DV 75 .5 -3 Units

Children With Special Needs

Prerequisite: HU DV 38. Course Advisory: SCC minimum English standard. An introductory study of children with special needs, including causes of disabilities, their incidence, care, management, and general remedial procedures. Emphasis is on the child within the home and community settings. Repeatable to a maximum of 3 units, including initial enrollment. *One-half to three hours lecture.*

Nutrition

NUTRI 10 3 Units

Nutrition

Course Advisory: SCC minimum English and math standards. Study of the basic principles of human nutrition. Essential nutrients, functions, chemical compositions of foods and their utilization in the body will be covered. The course will emphasize topics such as weight loss, sports nutrition, food safety, the diet-disease relationship, global nutrition, and analysis of special nutritional requirements during the lifecycle among others. Students utilize computer technology and nutritional assessment methods to evaluate personal dietary habits. (CAN FCS 2). *Three hours lecture.*

NUTRI 12 .5, 1, 1.5 or 2 Units

Evaluating Current Topics in Nutrition

Course Advisories: SCC minimum English and math standards. Methods of evaluating current nutritional topics, determining reliable and unreliable sources of information and judging validity of experimental design. This course provides opportunities to study current, controversial topics in nutrition. Course topics include, but are not limited to, vitamin and mineral supplements, weight loss fads, phytochemicals and foods as medicine. Repeatable 3 times. *Eight hours lecture per 1/2 unit.*

NUTRI 51 1 Unit

Nutrition Basics for Children

Course Advisories: SCC minimum English and math standards. Nutrient requirements and meal planning for children from the prenatal period through school age. Course emphasis is placed on identifying nutrition problems common in children and developing strategies that can help prevent these problems. *One hour lecture.*

NUTRI 52 1 Unit

Child Nutrition for Early Childhood Education

Course Advisory: SCC minimum English standard. Nutritional assessment, meal planning and meal service for children. Also addresses the topic of food safety and sanitation. Course emphasis is placed on maintaining the optimal health, safety and nutritional status of children in group care. *One hour lecture.*

NUTRI 101 2 Units

Food Service Sanitation

Course Advisories: SCC minimum English and math standards. Covers the principles of food microbiology in a foodservice setting, important food-borne diseases, knowledge of standards and public health laws enforced by regulatory agencies, knowledge of applied measures for the prevention of food-borne diseases and other microbiological problems. The Hazardous Analysis Critical Control Point system will be included. Students who complete the course will be ready to take the ServSafe test. The ServSafe test is optional and will be given at the end of the course for those students desiring certification. Note: Course must be repeated every three years for food handler certification. *Four hours lecture (8 week course).*

Program Description

This program is designed to equip students with the basic knowledge and skills necessary for the variety of jobs in the field of Human Services. These courses are intended to provide entry-level skills and training for students who are interested in employment in mental health, social welfare, developmental services, corrections, alcohol and drug treatment, or child/adolescent treatment services.

Certificate of Achievement and Associate in Arts Degree

A Certificate of Achievement can be obtained upon completion of the 21-unit major with a grade of "C" (2.0) or better in each course. The Associate of Arts Degree can be obtained upon completion of 60 units, including the major with a grade of "C" (2.0) or better in each course, general education requirements, and electives.

Required Courses

	Units	Recommended Electives
HS 51—Intro. to Human Services	3	COUN 55, 64, 65
COUN 62—Helping Skills: Creating Alliances & Facilitating Change	3	CRIMJ 1, 11, 58
COUN 63—Field Work	6	ECE 62
HS 52—Intro. to Group Processes	3	HS 98
HS 53—Special Populations	3	HU DV 38, 39, 58, 70, 75
HS 55—Case Management	3	PSYCH 1, 2, 5, 10, 20, 34, 40, 65
	<u>21</u>	OCCED 90
		SOCSC 22, 23, 25, 26, 27
		SOCIO 1, 2, 40

HS 51

3 Units

Introduction to Human Services

Course Advisories: Eligibility for ENGL 1 and SCC minimum math standard. An introduction to human services which involves a critical exploration of the history, theoretical development, defining problems and causes within the field of human service, as well as the characteristics and career of a human services worker. The course studies a variety of local agencies, looking at the diverse population they serve, the politics and economics of the system and an evaluation of the legal and social issues with such a delivery system. *Three hours lecture.*

HS 52

3 Units

Introduction to Group Processes

Course Advisories: COUN 62; eligibility for ENGL 1; SCC minimum math standard. An introduction to the theory and dynamics of group interaction including psychoeducational, support, and therapeutic context. The various stages and process of group development are studied using both a conceptual and experiential approach. This course is intended to assist persons who will function as leaders in a variety of small group situations. *Three hours lecture.*

HS 53

3 Units

Serving Special Populations

Course Advisories: Eligibility for ENGL 1 and SCC minimum math standard. The study of the values, problems, issues, concerns and counseling needs of special population groups including, but not limited to age, gender, ethnicity, socioeconomic status, physical or psychiatric disability, sexual orientation, and chemical dependency characteristics. The course provides students with the insight, knowledge and skills necessary to work with diverse populations in human services settings. *Three hours lecture.*

HS 55

3 Units

Introduction to Case Management

Prerequisite: COUN 62. Course Advisories: Eligibility for ENGL 1 and SCC minimum math standard. An introductory course which acquaints students to the basic concepts and skills of case management. This course provides an introduction to the history and purpose of case management, case management concepts, legal and ethical considerations of case management, service planning and delivery, careers in case management and other topics. *Three hours lecture.*

Human Services

HS 60

3 Units

Empowerment Skills for Family Workers

Course Advisories: SCC minimum English and math standards. This is the first of a two part family development course to introduce front line human service workers to skills, theory and competencies needed to help families identify and reach their goals for self-reliance. Students will learn how to build on the strengths of families and communities and recognize important changes needed in systems with which families and workers interact. *Three hours lecture.*

HS 61

3 Units

Family Support Skills for Family Workers

Prerequisite: HS 60. Course Advisories: SCC minimum English and math standards. This is the second of a two-part family development course for front line Human Service workers and others interested in working in mental health. Course work will cover strength-based assessment, resource development, service coordination, home visitation, team building, goal setting and family conference and group facilitation. *Three hours lecture.*

Special Topics

These courses, numbered 98, 148, or 248 depending upon their transferability, are courses of contemporary interest centered on changing knowledge and important issues in the field. Announcements of Special Topics courses appear in the Schedule of Classes.

Industrial Management, Safety

Program Description

This program is designed to train men and women for management positions in government and industry. The program was developed in cooperation with representatives of the leading industries of Solano County and surrounding areas, and is approved by the Bureau of Industrial Education.

The Industrial Safety specialization is designed for the person in a supervisory capacity or the person aspiring to become a safety manager/technician with related experience and basic knowledge of industrial health and hygiene.

Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained upon completion of the 21-unit major listed below. The Associate in Science Degree can be obtained by completing a total of 60 units, including major, the general education requirements, and electives.

Required Courses

	Units	Recommended Electives:
CIS 1—Intro. to Computers	3	ACCT 1
INDMG 172—Industrial Safety	3	FIRE 50, 112
INDMG 182—Organization & Admin. of Safety Programs	3	MGMT 191
INDMG 183—Intro. to Industrial Hygiene	3	OCCED 90, 91
MGMT 50—Principles of Mgmt.	3	
MGMT 191—Human Relations	3	
Elective selected from list of Recommended Electives	3	
	21	

Maintenance Technician

Program Description

This program is designed for the person seeking employment or upgrade of skills in the field of plant equipment/facility maintenance and repair.

Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained upon completion of the 29-unit major below. The Associate in Science Degree can be obtained by completing a total of 60 units including the major, the general education requirements, and electives.

Required Courses

	Units	Recommended Electives:
ACR 100 or 101-Air Conditioning	3	
DRAFT 79-Blueprint Reading	2	DRAFT 50, 61, 75
IT 110-Welding	3	ECTRN 102
IT 140-Industrial Materials	3	FIRE 112
IT 150-Industrial Processes	3	
IT 151-Vocational Math	3	
IT 160-Electrical Fundamentals	3	
IT 170-Hydraulics & Pneumatics	3	
MT 160-Intro. to Manufacturing Technology	3	
MT 161-Advanced Manufacturing Technology	3	
	29	

Industrial Education

Job-Direct Certificate Requirements

The required courses must be completed with a grade of “C” or better.

Manufacturing Technology

	Units
BUS 100—Work Readiness	1.5
MT 160—Intro. to Manufacturing Technology	3
MT 161—Advanced Manufacturing Technology	3
OCCED 90—Occupational Work Experience	<u>2</u>
	9.5

Air Conditioning & Refrigeration

ACR 100 3 Units

Air Conditioning and Refrigeration

Course Advisory: SCC minimum English standard. A study of compression systems, controls, refrigerants, various refrigeration systems, and commercial applications designed to develop the ability to understand and apply the basic principles required to maintain and service this type of specialized equipment. *Three hours lecture.*

ACR 101 3 Units

Air Conditioning and Refrigeration

Course Advisories: ACR 100; SCC minimum English standard. The maintenance and servicing of commercial air conditioning and refrigeration systems with the study of techniques applied to refrigerant handling, systems controls, and compression systems. *Three hours lecture.*

Industrial Management

INDMG 172 3 Units

Industrial Safety

Course Advisory: SCC minimum English standard. Comprehensive study and analysis of safety principles applied to the workplace. *Three hours lecture.*

INDMG 182 3 Units

Organization and Administration of Safety Programs

Course Advisory: SCC minimum English standard. Comprehensive review of OSHA requirements and standards pertinent to all workplaces. This course will provide a comprehensive study and analysis of current practices and trends in the organization and administration of safety programs. *Three hours lecture.*

INDMG 183 3 Units

Introduction to Industrial Hygiene

Course Advisory: SCC minimum English standard. Comprehensive study and analysis of the interrelationship between industrial hygiene and the safety professional. The course examines and contrasts the scope and responsibilities of the industrial hygienist and the safety professional on the occupational health team. *Three hours lecture.*

INDMG 186 3 Units

Elements of Accident Investigation

Course Advisory: SCC minimum English standard. Presentation of the principles and functions of accident investigation to meet the requirements and standards of Occupational Safety and Health Administration (OSHA), state, county, city, and insurance regulations. *Three hours lecture.*

Industrial Technology

Industrial Technology education, a part of general education, seeks to develop an interest and an understanding of the tools, materials, and products of industry. All Industrial Technology courses are general and exploratory in nature and are open to the entire college community. Those students seeking occupational trade training should refer to additional listings in “Automotive Body & Repair,” or “Automotive Technology,” “Drafting,” “Electronics,” “Maintenance Technician,” and “Welding.”

IT 110 3 Units

Modern Welding

Course Advisory: SCC minimum English standard. Designed to acquaint the student with the fields of arc and acetylene welding, the tools and equipment used, shop safety and employment opportunities. *Two hours lecture, three hours lab.*

IT 111 3 Units

Modern Welding

Prerequisite: IT 110. Designed to acquaint the student with MIG and TIG welding methods and knowledge necessary to weld in all positions utilizing the mild steel, low hydrogen electrodes, metal inert gas and tungsten inert gas techniques. *Two hours lecture, three hours lab.*

IT 140 3 Units

Industrial Materials

Course Advisory: SCC minimum English standard. A broad overview of the characteristics and comparative qualities of naturally occurring, alloyed and man-made materials used in industry. Testing and practical use of materials are required. *Two hours lecture, three hours lab.*

Industrial Education

IT 150 3 Units

Industrial Process

Course Advisory: SCC minimum English standard. Presents the physical, chemical and mathematical processes related to the acquisition, refining, manipulation of man-made and naturally occurring materials used by such areas as auto mechanics, auto body, machine tool and welding. *Two hours lecture, three hours lab.*

IT 151 3 Units

Vocational Mathematics

Course Advisories: SCC minimum English and math standards. Focuses on mathematical functions, plane and solid geometry, measurement systems, algebra, and trigonometry applied to specific vocational areas. *Three hours lecture.*

IT 160 3 Units

Electrical Fundamentals

Course Advisory: SCC minimum English standard. Presents the principles of electric circuits, Ohm's law, resistors, motors, generators, transformers, and home lighting circuits. Student will perform laboratory experiments and take written tests. *Two hours lecture, three hours lab.*

IT 170 3 Units

Hydraulics & Pneumatics

Course Advisory: SCC minimum English standard. Study of the application of hydraulic and pneumatic fundamentals pertaining to industrial systems. Includes industrial pumps, actuators, accumulators, filters, meters, valves, and control devices with emphasis on theory, operation and troubleshooting. *Two hours lecture, three hours lab.*

IT 180 3 Units

Auto Maintenance

Course Advisory: SCC minimum English standard. Designed to provide an understanding of all phases of auto maintenance, design principles and laboratory practices. Especially useful for those considering further training for purposes of employment. Testing, practical demonstrations and laboratory exercises are required. Repeatable 2 times. *Two hours lecture, three hours lab.*

IT 190 2 Units

Metrics

Course Advisory: MATH 304. Presents the fundamentals of the metric system. Includes the history and development of the metric system, as well as how it works in industry. Includes scientific notation, dimensional analysis, and everyday practical uses. *Two hours lecture.*

Special Topics

These courses, numbered 148 or 248, depending upon their transferability, are courses of contemporary interest centered on changing knowledge and important issues in the field. Announcements of Special Topics courses appear in the Schedule of Classes.

Maintenance Technician

MT 160 3 Units

Introduction to Manufacturing Technology

Course Advisories: SCC minimum English and math standards. Presentation of the principles of manufacturing technology in safety habits, blueprint reading, precision measuring instruments, principles of applied mathematics and physics involved in mechanical, fluid and thermal systems. Students will develop solutions to manufacturing problems and apply safety oriented work habits to the completion of laboratory projects while working individually and in groups. *Two hours lecture, three hours lab.*

MT 161 3 Units

Advanced Manufacturing Technology

Prerequisite: MT 160. Course Advisories: SCC minimum English and math standards. Presentation of the advanced principles in safety habits, applied mathematics and physics involved in mechanical, fluid, thermal and electrical system. Students will develop solutions to manufacturing problems and apply safety oriented work habits to the completion of laboratory projects while working individually and in groups. *Two hours lecture, three hours lab.*

MT 162 3 Units

Robotic Manufacturing Systems

Prerequisite: MT 160 or ECTRN 61. Course Advisories: SCC minimum English and math standards. Presentation of physical principles applied to automated manufacturing systems. Students will develop solutions to manufacturing problems using robots, programmable logic controllers (PLC) and computer numerical control (CNC) manufacturing machines. Students will also apply safety-oriented work habits to the completion of laboratory projects while working individually and in groups. *Two hours lecture, three hours lab.*

SPECIAL TOPICS

These courses, numbered 148 or 248, depending upon their transferability, are courses of contemporary interest centered on changing knowledge and important issues in the field. Announcements of Special Topics courses appear in the Schedule of Classes.

Interior Design

Fine & Applied Arts/Behavioral Sciences Division

Program Description

This program is designed for vocational majors planning employment in interior design or interior merchandising occupations.

Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained upon completion the 28-unit major. The Associate in Science Degree can be obtained upon completion of a total of 60 units, including the major, general education requirements, and electives.

Required Courses

	Units	
INTDS 50—Interior Design	3	Recommended Electives: ART 1, 2, 6, 8, 11, 15 MKT 171 DRAFT 60, 150 FASHM 54, 55 OCCED 91
INTDS 51—Materials & Techniques	3	
INTDS 52—Drafting/Perspect. Drawing for Interiors	3	
INTDS 53—History/Interiors and Furniture	3	
INTDS 55—Adv. Interior Design	3	
BUS 181—Business Mathematics	1	
FASHD 31—Textiles	3	
MKT 173—Sales	3	
OR		
MKT 174—Retail Merchandising	3	
OCCED 90—Occupation Work Experience	3	
ART 7 — Color & Design	3	
	28	

INTDS 50 **3 Units**
Interior Design
Course Advisory: SCC minimum English standard.
 Study of the basic principles and elements of design and their applications in furnishing residential interiors. Students design projects emphasize the functional and aesthetic use of space, color, furniture, accessories, and other resources. *Three hours lecture.*

INTDS 51 **3 Units**
Materials and Techniques
Course Advisory: Eligibility for ENGL 1. Provides the practical expertise needed by interior design, construction and installation of custom furnishings for residential and commercial projects. Course work includes design projects, research on new products and technology, and innovative uses of existing resources. Repeatable 1 time. *Two hours lecture, two hours lab.*

INTDS 52 **3 Units**
Drafting and Perspective Drawing for Interiors
Course Advisories: SCC minimum English and math standards. Basic graphic skills of interior design ideas, including one and two-point perspective drawing, drafting of floor plans, section detail and lettering. Student presentation of design project portfolio required. *Two hours lecture, four hours lab.*

INTDS 53 **3 Units**
History of Interiors and Furniture
Course Advisory: SCC minimum English standard. Study of the dominant characteristics of historical interior styles, furniture designs, and architectural styles from ancient to modern times. *Three hours lecture.*

INTDS 55 **3 Units**
Advanced Interior Design
Prerequisites: INTDS 50, 51, 52, 53. Course Advisory: SCC minimum English standard. Focuses on pre-professional training and career opportunities in interior design and home furnishing merchandising. Course work includes study of color dynamics, light and space planning, research on new materials and technology, and client-oriented design projects for residential and/or commercial interior environments. *Three hours lecture.*

INTDS 61 **3 Units**
Textiles for Interior Design
Course Advisories: SCC minimum English and math standards. The study of basic textile technology including fibers, yarns, fabric construction and finishes. Course includes hands-on experience with a variety of textiles. Evaluation is based on written examinations, fabric swatch book, and written assignments. *Two and one-half hours lecture, one and one-half hours lab.*

International Relations

Humanities Division

Program Description

The International Relations program provides an interdisciplinary, integrated approach to an understanding of modern global society and events, preparing the student for a variety of perspectives in a rapidly changing world. Students pursue global interests in language, history, culture, business, government, fine arts, literature, science, and other studies. Students in International Relations will prepare for transfer to universities offering International Relations majors or related fields. Course work will also broaden their perspective and skills to enter the business world. This is an interdisciplinary program so the descriptions for the individual courses can be found under the appropriate disciplines.

Associate in Arts Degree

The Associate in Arts Degree can be obtained by completing a total of 60 units, including the 31-unit major, general education requirements, and electives.

Required Courses

	Units	Select three units (cont.):	Units
IR 1—Global Interdependence	3		
ECON 1—Principles of Economics	3	ENGL 16—Masterpieces of Western World Literature (3 units)	
ECON 2—Principles of Economics	3	OR	
FOREIGN LANGUAGE (Choose from FRNCH, GERMN, or SPAN numbered 1-34)*	10	ENGL 17—Eastern World Literature (3 units)	
GEOG 4—World Geography	3	FOREIGN LANGUAGE—Any course numbered 1-34 not used above (3-5 units)	
HIST 5—History of Western Civilization since 1500	3	HIST 3—Modern World History (3 units)	
POLSC 3—Intro. to International Politics	3	GEOG 2—Cultural Geography (3 units)	
		PHLOS 31—Introduction to World Religions of the East (3 units)	
		OR	
		PHLOS 32—Introduction to World Religions of the West (3 units)	
		POLSC 2—Introduction to Comparative Government (3 units)	
		SOCSC 28—Introduction to African Studies (3 units)	
		SPEECH 10—Interpersonal Comm. (3 units)	
		Total Required Units:	31

*A passing score on any foreign language standardized proficiency examination can be substituted for the foreign language requirement.

Select three (3) units from the following: 3
 ANTH 2—Cultural Anthropology (3 units)
 ART 1—Art History (3 units)
 BIOSC 12—Environmental Science (3 units)
 BUS 60—Introduction to International
 Business (3 units)

IR 1

3 Units

Global Interdependence

Course Advisory: Eligibility for ENGL 1, POLSC 1, ENGL 62. This is the gateway course for the International Relations Major. Designed to give students a foundation for the study of international relations, it provides a backdrop to understanding global interdependence, its causes and consequences. Included are political, economic, historical, philosophical, cultural, geographical, and

environmental dimensions of interdependence. This course adopts a multidisciplinary perspective and may feature guest speakers or presentations from a variety of disciplines. *Three hours lecture.*

Journalism

Humanities Division

Program Description

Journalism teaches critical thinking and communication skills that enable students to translate events and issues of importance accurately and responsibly. Student who may benefit from the major are those anticipating careers in newspapers; television or film; photojournalism; layout, computer graphics or graphic design; advertising or public relations; or media management.

Associate in Arts Degree

An Associate in Arts Degree can be obtained upon completion of 60 units, including the required core courses, program electives, and courses in one of four emphasis areas (a total of 24 units); and completion of the general education requirements and electives.

Required Courses

	Units
JOURN 1—Newsriting & Reporting	3
JOURN 11—Intro. to Mass Communication	3
JOURN60—Publications Laboratory	3
Emphasis area courses	9
Program electives	6
	24

Emphasis areas: Students must complete 9 units in one emphasis area. (NOTE: Courses with an "*" have prerequisites or advisories other than eligibility for ENGL 1.)

Print Media	Units	Visual Communications	Units
*ENGL 4—Critical Thinking and Composition: Language in Context	3	ART 52—Lettering and Layout	2-3
*ENGL 6—Creative Writing I	3	Art 54—Illustration I	3
*ENGL 58—Creative Writing: The Literary Magazine	3	ART 56—Graphic Design I	3
JOURN 2—Introduction to Feature and Magazine Writing	3	CIS 84—PageMaker Publishing	3
JOURN 61—Online Publication Lab	3	JOURN 61—Online Publication Lab	3
		*PHOTO 56—Photojournalism & Documentary Photography	3
		*PHOTO 170—Digital Imaging in Photo	3
		*TV 55—Beginning TV Production	3
Online Journalism		Broadcast Media	
*CIS 35—Intro. to JAVA Programming	3	JOURN 2—Newsriting and the Feature Story	3
*CIS 61—Creating Web Pages	1.5	JOURN 61—Online Publication Lab	3
CIS 84—PageMaker Publishing	3	SPEECH 6—Argumentation & Debate	3
JOURN 61—Online Publication Lab	3	SPEECH 50—Forensics/Speech Workshop	1-3
*PHOTO 170—Digital Imaging/Photo	3	*TV 55—Beginning TV Production	3
*TV 55—Beginning TV Production	3	*TV 60—Television & Film Writing	3
		Recommended Electives	
		Any course from a second emphasis area	
		Any foreign language	
		JOURN 60 or 61	
		*MATH 11	
		OCCED 90, 91	

JOURN 1

3 Units

Newswriting & Reporting

Prerequisite: Eligibility for ENGL 1. Theory and practice of writing for publication in newspapers. Emphasis is on basic skills in writing the new story: effective writing, style, and interviewing. (CAN JOUR 2). *Three hours lecture.*

JOURN 2

3 Units

Introduction to Feature and Magazine Writing

Prerequisite: Eligibility for ENGL 1. This class teaches the theory and practice of feature writing, including profiles, critical reviews, opinion columns, travel, news features and trend stories. Students learn research and reporting methods, grammar and style rules, libel and privacy laws, and tools for marketing their stories. *Three hours lecture.*

JOURN 11

3 Units

Introduction To Mass Communication

Prerequisite: Eligibility for ENGL 1. Study of the mass media including newspapers, magazines, radio, television, motion pictures and advertising which examines the standards, ethics, and rights of the media and the relationship of government and the public to the various media forms. Emphasis is on the functions, limitations, and responsibilities of the press, as well as the past, present and future impact on society and the individual. Attention will be given to theories of persuasion, the symbolic power and manipulation of images, and the relationship between information and knowledge. Essay examinations and critical papers are required. (CAN JOUR 4). *Three hours lecture.*

JOURN 60

1-3 Units

Publications Laboratory

Prerequisite: Eligibility for ENGL 1. Theory, practice, and training in planning, writing, editing, art work, photography, and management of staff members of the college newspaper. One-unit option requires three hours a week; two-unit option requires six hours a week; and three-unit option requires nine hours a week. Repeatable to a maximum of 12 units, including initial enrollment. NOTE: Combined units for JOURN 60 and 61 may not exceed 12. *Three to six hours lab, three hours by arrangement weekly.*

JOURN 61

3 Units

Online Publications Laboratory

Prerequisite: Eligibility for ENGL 1. Course advisory: JOURN 60 or CIS 61. Theory, practice, and training in planning, designing and maintaining the college online newspaper, including designing the web site, adapting print content for the web, and producing unique online content. Repeatable to a maximum of 12 units, including initial enrollment. NOTE: Combined units for JOURN 60 and 61 may not exceed 12. *Three to six hours lab, three hours by arrangement weekly.*

Special Topics

These courses, numbered 98 or 148 depending upon their transferability, are courses of contemporary interest centered on changing knowledge and important issues in the field. Announcements of Special Topics courses appear in the Schedule of Classes.

Program Description

An interdisciplinary program which offers breadth and diversity rather than specialization. The curriculum is not housed within any one of the academic divisions, but consists of the sum of those courses approved for general education credit for the Associate Degree. This program offers a basic core education in the traditional academic disciplines, and the major is ideal for those students who are undecided in their major.

Associate in Arts Degree

An Associate in Arts Degree can be obtained upon completion of 60 units, including the 18-unit major, general education requirements, and electives. The major consists of courses to be selected from the four areas below. One course from each area is required with the remainder of the major to be selected from the remaining courses in any of the areas. The required course in the Natural Science area must include a laboratory.

Required Courses

Natural Science

The required course must include a laboratory (Group A)

A. Lecture and Laboratory

BIOSC 1, 2, 5, 6, 10, 12 & 12L, 14, 15, 19
CHEM 1, 2, 3, 4, 10, 11
GEOL 1 & 2, 3 & 4
PHYS 12
PHYS 2, 4, 6, 7, 8, 10

B. Lecture only

ANTH 1
ASTR 10
BIOSC 12, 16, 18
ENGR 30
GEOG 1
GEOL 5
METER 10

Mathematics

MATH 2, 4, 11, 12, 15, 20, 21, 22, 23, 28,
29, 30, 31, 40, 51

Social Science

AMST 1, 2
ANTH 2, 7
COUN 55, 83
CRIMJ 1
ECON 1, 2

Social Science (continued)

GEOG 2, 4
HIST 10, 17, 17H, 18, 25, 28, 29,
30, 31, 32, 37
HU DV 38, 39, 40, 50, 58, 70
JOURN 11
POLSC 1, 1H, 2, 3, 5, 6, 16, 60
PSYCH 1, 1H, 2, 4, 5, 10, 20, 24, 30, 34
SOCSC 22, 23, 25, 26, 27, 28
SOCIO 1, 2, 23, 30, 40
TV 50

Humanities

ART 1, 2, 10, 11, 12
CINMA 10, 11
ENGL 2, 2H, 4, 4H, 5, 6, 7, 12, 13, 14, 16, 18, 21, 23,
24, 25, 30, 31, 32, 33, 34, 35, 36, 37, 38, 40, 41, 44,
48, 58
FRLNG 1-34
HIST 2, 2H, 3, 3H, 4, 4H, 5, 5H
HUMN 1, 2, 3
MUSIC 5, 7, 8, 13
PHLOS 1, 3, 4, 5, 31, 32
PHOTO 35
SPAN 25
SPEECH 1, 1H, 2, 6, 15
THEA 1, 2, 5, 6, 10, 11, 13
TV 50, 60, 61

Liberal Arts Honors

Program Description

An interdisciplinary program which offers high achieving, highly motivated students an enriched educational experience designed to prepare them for a successful transition from community college to university.

Eligibility for Honors Program: Students must fulfill the requirements of one of the following categories:

Category 1: Entering high school graduates who have: scored 4 or better on the advanced placement exam in any academic area (Government, History, Language and Composition, Literature and Composition, Math, or Science).

Category 2: Solano College students who have: Achieved a 3.5 GPA after completing twelve units in Solano College classes. (NOTE: These 12 units must be completed in any Solano College course numbered 1 through 49, excluding PE activity classes.)

Once admitted to the Honors Program, students must maintain a 3.5 overall GPA, with a minimum grade of "B" in each honors course in order to remain eligible for the Honors program.

Associate in Arts Degree

An Associate in Arts Degree in Liberal Arts Honors can be obtained by completing a minimum of 18 units in Honors courses, general education requirements, and electives. The 18 units in Honors courses must include a minimum of 3 units in three of the four areas of the Liberal Arts Program shown below.

Required Courses

Each course must be completed with a minimum grade of "B."

Natural Science

Completion of any two of the following courses:

BIOSC 1, 2
CHEM 1, 2, 3, 4
PHYS 2, 4, 6, 7

OR

Completion of one of the following series:

BIOSC 1 or 2 or 5 or 14 or 15, concurrently with or followed by
BIOSC 49H-Honors
CHEM 1 or 2 or 10, concurrently with or followed by CHEM 49H-
Honors
GEOL 1 and 2, concurrently with or followed by GEOL 49H-Hon-
ors

Mathematics

MATH 20 & 21 or MATH 30 & 31

Social Science (at least one course)

HIST 17H,
POLSC 1H
PSYCH 1H

Humanities (at least one course)

ENGL 2H, 4H
HIST 2H, 3H, 4H, 5H
SPEECH 1H

Participation in at least one Learning Communities course is strongly recommended for students in the Honors program.

Liberal Arts

American Studies

AMST 1 **3 Units**

An Interdisciplinary Study of American Culture
Course Advisories: ENGL 1 and SCC minimum math standard. An interdisciplinary study of American civilization to the end of the Civil War. The course interrelates history, culture, philosophy and literature with emphasis on continuing themes. Critical papers and examinations are required. *Three hours lecture.*

AMST 2 **3 Units**

An Interdisciplinary Study of American Culture
Course Advisories: ENGL 1 and SCC minimum math standard. An interdisciplinary survey of American civilization from the late 19th century to the present. The course interrelates history, culture, philosophy and literature with emphasis on continuing themes. Critical papers and examinations are required. *Three hours lecture.*

Education

EDUC 50 **3 Units**

Introduction to Education
Course Advisory: SCC minimum English standard. Survey of American education as a social institution. The course is designed for, but not limited to, students who are considering entering the teaching profession. *Three hours lecture.*

Humanities

HUMN 1 **3 Units**

What It Means To Be Human
Prerequisite: ENGL 1. Explores what it means to be human by examining human life in several ways such as humans as social beings, thinkers, myth makers, aggressors and peace makers, scientists, and creators. Inquiry into each category will involve critical thinking, artistic sensitivity, and historical perspective. *Three hours lecture.*

HUMN 2 **3 Units**

Humans As Creators: The Media of Creativity
Course Advisory: Eligibility for ENGL 1. Exploration of the varieties of ways in which humans demonstrate their creative ability ranging from a study of the creative process itself to an examination of creativity in the arts, in the sciences, and in human organization. *Three hours lecture.*

HUMN 3 **3 Units**

Journey Into a Multi-Cultural Landscape
Course Advisories: SCC minimum English and math standards. Interdisciplinary course to help students recognize and explore sites of multicultural interaction and conflict in the U.S. by examining at least three different American ethnic cultures as well as cultural issues of gender, disability, sexual orientation, and age. Inquiry into the process of the making and representation of cultural artifacts will enable critical appraisal and appreciation, interpersonal sensitivity and multicultural perspective. *Three hours lecture.*

Learning Resources

LR 1 **3 Units**

Principles of Library Research
Course Advisories: Eligibility for ENGL 1; SCC minimum math standard. Broad overview of research methodology leading to successful information retrieval. The student will develop skills through analysis and comparison of print sources, electronic indexes, and web-based resources. *Three hours lecture.*

LR 10 **1 Unit**

Basics of Information Competency
Prerequisite: None. NOTE: Not open for credit to students who have completed LR 1. Course Advisories: Eligibility for ENGL 1; SCC minimum math standard. A course teaching the skills needed to find, evaluate, use, and communicate information from print resources, online databases, and the Internet. *Two hours lecture (8 week course).*

LR 51 **1 Unit**

World Wide Web Searching
Course Advisories: SCC minimum English and math standards; basic keyboarding and experience with Windows or Macintosh operating systems. Introduction to techniques of effective web-based research. Includes use of navigational tools, formulation of search strategies, identification of critical web sites, and evaluation of information retrieved. *Two hours lecture (8 week course).*

Life Management

Fine & Applied Arts/Behavioral Sciences Division

Program Description

This program is intended for students desiring a broad overview of subjects involved in being an aware individual, consumer and wage earner. This is an interdisciplinary program, so the curriculum is not housed within any one division. The course descriptions may be found under the appropriate disciplines.

Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained upon completion the 24-unit major. The Associate in Science Degree can be obtained upon completion of a total of 60 units, including the major, general education requirements, and electives.

Required Courses

	Units	
CIS 50—MicroComputer Appl.	3	Recommended Electives: ACCT 180 BUS 182 COUN 50, 83 FASHD 31, 62 FASHM 53 HU DV 38 or 39, *40, 50, 52, 53 INTDS 51, 53, 55 MGMT 191 NUTRI 101 OCCED 90, 91
CIS 63—Intro to WordPerfect	3	
FASHD 60—Clothing Selection	3	
HU DV 40—Family Relationships		
OR		
HU DV 70—Lifespan Human Dev.	3	
HU DV 58—Life Management	3	
INTDS 50—Interior Design	3	
MGMT 194—Personal Finance	3	
NUTRI 10—Nutrition	3	
	24	

*If not used in the major.