

Ethnic Studies

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. All courses in the major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete an Associate Degree will be able to:

1. Increase understanding of diverse ethnic groups in American society.
2. Understanding the impact of culture and the significance of history, and literature.
3. Develop competence as it pertains to various ethnic groups including an understanding of their social, economic, political and philosophical development.
4. Competence in understanding the unique contributions of ethnic groups in American Society.

REQUIRED COURSES Units

African-American Studies

ENGL 033 Survey of African American Literature in the United States.	3
<i>OR</i>	
ENGL 034 African American Novel and Drama in the United States	3
HIST 028 African American History to 1877	3
<i>OR</i>	
HIST 029 African American History Since 1865.	3
SOCS 022 Ethnic, Racial and Minority Group Relations in Harmony and Conflict	3
SOC 023 Sociology of African Americans.	3
<i>OR</i>	
SOCS 023 The African-American Family	3
Any course listed in any Ethnic Studies major	6

Asian-American Studies Units

ENGL 037 Survey of Asian American Literature.	3
HIST 032 History of the Philippines	3
SOCS 022 Ethnic, Racial and Minority Group Relations in Harmony and Conflict.	3
Any courses listed in any Ethnic Studies Major	9

Latino Studies Units

ENGL 035 Latina/o Literature	3
HIST 030 History of Mexico	3
HIST 031 Mexican American/Chicano History.	3
<i>OR</i>	
SOCS 022 Ethnic, Racial and Minority Group Relations in Harmony and Conflict	3
SOCS 025 Mexican-American Experience	3
SPAN 001 First Semester Spanish	5
<i>OR</i>	
SPAN 002 Second Semester Spanish	5
<i>OR</i>	
SPAN 003 Third Semester Spanish	5
<i>OR</i>	
SPAN 004 Fourth Semester Spanish	5
<i>OR</i>	
Any courses listed in the Ethnic Studies Program	6

Native-American Studies. Units

ENGL 032 Introduction to Native American Literature ..	3
SOCS 022 Ethnic, Racial and Minority Group Relations in Harmony and Conflict.	3
SOCS 027 Native American Experience	3
Any courses listed in any Ethnic Studies Major	6

Ethnic Studies

Ethnic Studies Combination Units

AMST 001 An Interdisciplinary Study
of American Culture 3

OR

AMST 002 An Interdisciplinary Study
of American Culture 3

SOCS 022 Ethnic, Racial and Minority Group
Relations in Harmony and Conflict. 3

SPAN 001 First Semester Spanish 5

SPAN 002 Second Semester Spanish 5

SPAN 003 Third Semester Spanish 5

OR

SPAN 004 Fourth Semester Spanish 5

Electives selected from the following list 12

Select 12 units from the following

(all 3-unit courses): Units

ENGL 032 Introduction to
Native American Literature 3

ENGL 033 Survey of African American
Literature in the United States. 3

ENGL 034 African American Novel and
Drama in the United States 3

ENGL 035 Latina/o Literature 3

ENGL 036 Multi-Ethnic Literature in America 3

HIST 028 African American History to 1877 3

OR

HIST 029 African American History Since 1865. 3

HIST 030 History of Mexico 3

HIST 031 Mexican American/Chicano History 3

HIST 032 History of the Philippines 3

MUSC 007 Jazz and Popular Music in
America: Ragtime to Rock. 3

PSYC 024 Psychology of African Americans 3

SOC 023 Sociology of African Americans. 3

SOCS 025 Mexican-American Experience 3

SOCS 027 Native American Experience 3

Recommended Electives for all Ethnic Studies Programs

AMST 001 An Interdisciplinary Study of American Culture

AMST 002 An Interdisciplinary Study of American Culture

ANTH 002 Cultural Anthropology

COUN 055 Valuing Diversity

ENGL 032 Introduction to Native American Literature

ENGL 037 Survey of Asian American Literature

HIST 030 History of Mexico

JAPN 101 Conversational Japanese

JAPN 102 Conversational Japanese

PLSC 005 Constitutional Rights in a Multicultural Society

SOC 002 Social Issues and Problems

SPAN 025 Introduction to Latin-American Culture:

An Exploration of Identity Through Essay, Film,
and Short Story

THEA 013 Diversity in American Theatre: A Contemporary
Focus

Fashion Design

Associate Degree

Not offered in this program.

FASHION DESIGN

FDES 062 3 Units

Clothing Construction

Course Advisory: SCC minimum English and Math standards. The study of custom clothing construction techniques including pattern adjustment, fabric selection and equipment usage. Evaluation is based on clothing constructed, sample skills, and written exams. *Two hours lecture, three hours lab.*

FDES 063 3 Units

Costume History

Course Advisory: SCC minimum English and Math standards. The study of world costume from the earliest time to the present. Evaluation is based on written examinations, written summaries, and classroom participation. *Three hours lecture.*

FDES 065 1 Unit

Alterations and Fit in Ready-to-Wear

Course Advisory: 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.*

Film and Television

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. All courses in the major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete an Associate Degree will be able to:

1. Conceive, structure, organize, produce, direct, film and edit to successful completion a short digital film and TV program.
2. Conceive, structure, organize and write film and TV treatments and scripts.
3. Critically evaluate film.
4. View and evaluate films, providing written and verbal critiques.
5. Demonstrate knowledge of film theory and history and TV/radio broadcasting mediums.

REQUIRED COURSES	Units
CINA 010 The Art of Cinema	3
CINA 015 Film Production	4
TV 050 Survey of Broadcasting	3
TV 055 Beginning Television Production	3
TV 056 Advanced Television Production	3
<i>OR</i>	
CINA 016 Film Production	4
TV 060 Television and Film Writing	3
Total Units	19 – 20

Recommended Electives:

ART 010 Art Appreciation
CINA 011 American Cultures in Film
COMM 015 Oral Interpretation of Literature
JOUR 011 Introduction to Mass Communication
MUSC 008 Music Appreciation
PHOT 030 Beginning Photography
THEA 001 Principles and Theory of Acting
THEA 002 Principles and Theory of Acting
THEA 010 History of Theatre 1
THEA 050 Performance for the Camera
TV 061 Advanced Film Writing
TV 099 Telecommunications Honors

Cinematography

CINA 010 3 Units

The Art of 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.*

CINA 011 3 Units

American Cultures in Film

Course Advisory: ENGL 001. 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.*

CINA 015 4 Units

Film Production

Prerequisite: CINA 010 with a minimum grade of C (may be taken concurrently). An introduction to digital 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 digital films, exercises and written work. *Three hours lecture.*

CINA 016 4 Units

Film Production

Prerequisite: CINA 015 with a minimum grade of C. 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. *Three hours lecture, three hours weekly by arrangement.*

Film and Television

Film and Television

TV 050 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 055 3 Units

Beginning Television Production

Prerequisite: TV 050 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 056 3 Units

Advanced Television Production

Prerequisite: TV 055 or previous television production experience. Course Advisory: SCC minimum English standard. 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. *Three hours lecture, one hour lab.*

TV 060 3 Units

Television and Film Writing

Course Advisory: ENGL 001. 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 061 3 Units

Advanced Film Writing

Prerequisite: TV 060 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. *Three hours lecture.*

TV 099 1.00 to 3.00 Units

Telecommunications Honors

Prerequisite: 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. *Three to nine hours weekly by arrangement.*

Fine Arts

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 in 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.) All courses in the major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

This information is not available at the time of printing. Please check online for current information as it is available.

REQUIRED COURSES Units

ART 010 Art Appreciation	3
MUSC 007 Jazz and Popular Music in America: Ragtime to rock	3
OR	
MUSC 008 Music Appreciation	3
THEA 001 Principles and Theory of Acting	3
OR	
THEA 010 History of Theatre 1	3
TV 050 Survey of Broadcasting	3
OR	
CINA 010 The Art of Cinema	3
Select three Units from selection one below	3
Select three units from selection two below	3
Total Units	18

Selection One: Select three units

from the following: Units	
MUSC 005 Music Fundamentals	3
MUSC 010 Concert Band	2
MUSC 014 Jazz Ensemble	2
MUSC 020 Choir	2
MUSC 025 Chamber Choir	2
MUSC 026 Vocal Jazz Ensemble	2
MUSC 027 Elementary Piano Part I	1.5
MUSC 028 Elementary Piano Part II	1.5
MUSC 029 Intermediate Piano Part I	1.5
MUSC 030 Intermediate Piano Part II	1.5

Selection Two: Select three units

from the following: Units	
ART 004 Life Drawing	2 - 3.5
ART 006 Design Principles in 2-Dimensions	3.5
ART 015 Intermediate Drawing	2 - 3.5
ART 023 Introduction to Ceramics: Hand Building	2 - 3.5
ART 026 Introduction to Ceramics: Wheel Throwing Techniques	2 - 3.5
ART 031 Sculpture	2 - 3.5

Recommended Electives

- COMM 001 Introduction to Public Speaking
- COMM 015 Oral Interpretation of Literature
- THEA 003 Stagecraft
- THEA 005 Applied Drama
- THEA 007 Directing
- TV 055 Beginning Television Production

Fire Technology

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, the general education requirements, and electives. All courses in the major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

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

1. Identify minimum qualifications and entry-level skills for fire fighter hiring.
2. Demonstrate knowledge of fire service history, culture and diversity.
3. Demonstrate the ability to analyze, appraise and evaluate fire and emergency incidents and identify components of emergency management and fire fighter safety.
4. Identify and comprehend laws, regulations, codes and standards that influence fire department operations, and identify regulatory and advisory organizations that create and mandate them, especially in the areas of fire prevention, building codes and ordinances, and firefighter health and safety.
5. Analyze the causes of fire; determine extinguishing agents and methods; differentiate the stages of the fire and fire development; and compare methods of heat transfer.
6. Calculate flow requirements for fire apparatus; diagram a pump and plumbing schematic for fire apparatus; and apply mathematic formulae to hydraulics problems.
7. Identify and describe common types of building construction and conditions associated with structural collapse and fire fighter safety.
8. Differentiate between fire detection and fire suppression systems; design and diagram a wet and dry fire protection system; and identify alarm system components and their operations.

REQUIRED COURSES Units

FIRE 050 * Principles of Emergency Services	3
FIRE 051 Fire Behavior & Combustion	3
FIRE 053 Fire Prevention	3
FIRE 054 Fire Protection Systems	3
FIRE 055 Fundamentals of Fire Service Operations	3
FIRE 056 Building Construction For The Fire Service.	3

Select 12 units from the following electives: Units

ECTN 102 Electrical Safety	1 - 3
FIRE 060 Wildland Pyrophyte Taxonomy.	3
FIRE 083 Fire Candidate Physical Fitness	2 -2.5
FIRE 102 * Fire Service Safety Practices.	3
FIRE 112 Hazardous Materials I.	3
FIRE 113A Wildland Firefighter Academy	18
FIRE 114 Fire Apparatus Maintenance	3
FIRE 117 Confined Space Awareness.	2
FIRE 118 Confined Space Rescue	2
FIRE 119 Trench Rescue	2
FIRE 134 Prevention IA	2.5

FIRE 135 Prevention IB Inspection/ Fire Prot. Systems & Spec Haz	2.5
FIRE 140 Fire Technology Academy	24
FIRE 145 Fire Investigation I.	2
FIRE 146 Fire Investigation II	2
FIRE 148Q Confined Space Awareness	2
FIRE 148S Fire Management 2C	2
FIRE 148T Rescue Systems I	2
FIRE 148U Strike Team Leader (S-334)	2
FIRE 150 Fire Command 1A	2
FIRE 151 Fire Command 1B	2
FIRE 155 Basic ICS (I-200)	1
FIRE 161 Fire Management I.	2
FIRE 170 Fire Service Instructor 1A	2
FIRE 171 Fire Service Instructor 1B	2
FIRE 190 Emergency Response to Terrorism	3
FIRE 250 Logistics Section Chief-I450	3
FIRE 251 Supply Unit Leader SEMS/ICS	3
OCED 090 Occupational Work Experience	1 - 8
Total Units.	30

Some courses may not be offered. Please contact the Dean of the Vacaville Center for alternate courses if necessary.

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

Fire Technology

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

Program Description

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.

Program Outcomes

This information is not available at the time of printing. Please check online for current information as it is available.

REQUIRED COURSES	Units
FIRE 050 Principles of Emergency Services	3
FIRE 102 Fire Service Safety Practices	3
FIRE 112 Hazardous Materials I	3
FIRE 115 Hazardous Waste Operations	2
FIRE 116 Hazardous Substance Management	3
FIRE 123 Fire Service Principles and Procedures I	1
IMGT 172 Industrial Safety	3
OR	
IMGT 173 Occupational Safety & Health	0
Total Units	18

Recommended Electives

- FIRE 114 Fire Apparatus Maintenance
- OCED 091 General Work Experience

Some courses may not be offered. Please contact the Dean of the Vacaville Center for alternate courses if necessary.

Wildland Fire Technology Job-Direct Certificate

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

REQUIRED COURSES	Units
FIRE 060 Wildland Pyrophyte Taxonomy	3
FIRE 113A Wildland Firefighter Academy	18
Total Units	21

Fire Technology

FIRE 050 3 Units
Principles of Emergency Services
Course Advisory: SCC minimum English standard.
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. *Three hours lecture.*

FIRE 051 3 Units
Fire Behavior & Combustion
Course Advisory: SCC minimum English standard.
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. *Three hours lecture.*

FIRE 053 3 Units
Fire Prevention
Course Advisory: SCC minimum English standard.
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. *Three hours lecture.*

FIRE 054 3 Units
Fire Protection Systems
Course Advisory: SCC minimum English standard.
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. *Three hours lecture.*

FIRE 055 3 Units
Fundamentals of Fire Service Operations
Course Advisory: SCC minimum English standard.
Provides the student with the fundamentals of fire department organization, management, and resources, and the use of those resources to control various emergencies. This is a Fire Technology elective course and may be used, if necessary, in order to complete the fire technology electives portion of the Associate Degree or Certificate of Achievement in Fire Technology. *Three hours lecture.*

FIRE 056 3 Units
Building Construction for the Fire Service
Course Advisory: SCC minimum English and Math standards. 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. *Three hours lecture.*

FIRE 057 4 Units
Fire Service Safety and Survival Practices
Course Advisory: Eligibility for ENGL 001. Prerequisite: FIRE 050 with a minimum grade of C. Designed to provide: 1. Past, present and future firefighter death and injury statistics and investigation reports in the United States. 2. Knowledge of firefighter safety programs, risk management techniques and the dangers associated with working in Immediately Dangerous to Life and Health (IDLH) atmospheres 3. The need for cultural and behavioral changes relating to firefighter safety and survival techniques. This course will have a 3 hour lab per week that includes working off of ladders, elevated surfaces, and in confined spaces. Formerly FIRE 102. *Three hours lecture, three hours lab.*

FIRE 060 3 Units
Wildland Pyrophyte Taxonomy
Course Advisory: SCC minimum English and Math standards. Provides basic identification of the most common and dangerous wildland pyrophyte plant species and their corresponding firefighting mitigation practices. Prepares the rural homeowner living in the wildland areas of California and the wildland firefighter with the information necessary to safely suppress wildland fires and protect structures in advance of wildland fires. *Three hours lecture, one hour lab.*

Fire Technology

FIRE 083 2.00 or 2.50 Units
Fire Candidate Physical Fitness
Course Advisory: SCC minimum English and Math standards. 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.' (Same as KINE 083) *One hour lecture, two or three hours activity.*

FIRE 113A 18 Units
Wildland Firefighter Academy
Corequisite: Fire 60 Wildland Pyrophyte Taxonomy
Prerequisite: (1) Completion of Fire/PE 83 course or certificate of completion of the USDA Forest Service PACK physical agility test or C-PAT physical agility test. (2) Fire 128 Emergency Medical First Responder for the fire Services or American Red Cross First Responder for the Professional. (3) MATH 330 or equivalent; eligibility for ENGL 370. (4) Dean Approval will be required for all Letters of Request for Admission into Fire 113A. Course Advisory: Completion of English 001. This course presents the basic principles, and safety requirements and techniques of wild land fire prevention, human behavior issues on firelines and fire control. It covers legal areas of wild land fire protection, emergency situation leadership, fire prevention and mutual aid systems for federal wild land fire management and control personnel. This course is recommended for fire technology, forestry, conservation, public land stewards, wildlife preserve workers, and wildlife majors. Successful completion of this course will result in the student obtaining the nationally recognized seasonal fire fighting certificates required by the USDA Forest Service, the Bureau of Land Management, the National Park Service, the Bureau of Indian Affairs, and other federal firefighting agencies. Additionally, successful students will receive an EMT 212 Emergency medical Technician (Basic) Certificate of Completion. Field trips (labs) will be required. *Twelve hours lecture, eight hours lab.*

FIRE 113B 18 Units
Fire Tech Academy
Prerequisite: FIRE 50; FIRE 113A; Fire 128 or EMT 212; Proof of Completion of Fire/PE 83 or USFS PACK Test or C-Pat Test within the previous 12 month period; Completion and Submission of the Solano Community College Fire 113B Fire Tech Academy Application including application guidelines, application form, personal biography. Course Advisory: SCC minimum English and Math standards. 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 found in said questionnaire, a medical examination may be required. A course containing the contents of Fire 115, 123, 124, 125, 126, 127, 129, 130, 131, and Low Angle Rope Rescue Operational. Upon successful completion of this course, the student will become eligible for certification by the State Fire Marshal's Office as a Fire Fighter I. Formerly FIRE 140. *Fifteen hours lecture and nine hours lab.*

FIRE 114 3 Units
Fire Apparatus Maintenance
Course Advisory: Eligibility for ENGL 001 and SCC minimum Math standards. 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. *Three hours lecture.*

FIRE 114A 2.5 Units
Fire Service Driver/Operator 1A
Prerequisite: Either: (1) State Fire Marshal Certification as a Firefighter I or (2) written proof of at least 2 years' experience in good standing in an organized fire entity, or completion of Fire 114 and possession of a valid California Driver's License with a Class B firefighter restricted (minimum). Course Advisory: SCC minimum English and Math standards. An in-depth course designed by the California State Fire Marshal's Office to provide the student with basic knowledge and manipulative skills necessary to safely and effectively drive, maintain and make minor repairs to a Type I, Type II and Type III fire engine during emergency and non-emergency situations as a single resource or in strike team configuration. [Special Note: This course was developed and is owned by the State of California-Office of the State Fire Marshal(CSFM) and can only be taught for Certification by a CSFM certified and registered instructor using only CFSM developed lesson plans, books and instructor materials.] This course is a State Fire Marshal Certified Course and all successful students will be awarded a State Fire Marshal Certificate. *Four hours lecture (10 week course).*

Fire Technology

FIRE 114B 2.5 Units
Fire Apparatus Driver/Operator 1B
Prerequisite: Either: (1) State Fire Marshal Certification as a Firefighter I or (2) written proof of at least 2 years experience in good standing in an organized fire entity, or completion of Fire 114 and possession of a valid California Driver's License with a Class B firefighter restricted (minimum). Course Advisory: SCC minimum English and Math standards. An in depth course designed by the California State Fire Marshal's Office to provide the student with basic knowledge and manipulative skills necessary to safely and effectively operate, maintain and make minor repairs to fire apparatus pumps during emergency and non-emergency situations.
[Special Note: This course was developed and is owned by the State of California-Office of the State Fire Marshal(CSFM) and can only be taught for Certification by a CSFM certified and registered instructor using only CFSM developed lesson plans, books and instructor materials.] This course is a State Fire Marshal Certified Course and all successful students will be awarded a State Fire Marshal Certificate. *Four hours lecture (10 week course).*

FIRE 115 2 Units
Hazardous Waste Operations
Course Advisory: 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.*

FIRE 116 3 Units
Hazardous Substance Management
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.*

FIRE 117 2 Units
Confined Space Awareness
Course Advisory: SCC minimum English and Math 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).*

FIRE 118 2 Units
Confined Space Rescue
Course Advisory: SCC minimum English and Math 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).*

FIRE 119 2 Units
Trench Rescue
Course Advisory: SCC minimum English and Math 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).*

FIRE 123 1 Unit
Fire Service Principles and Procedures I
A study of the related tools and equipment used in fire suppression and rescue work. *Sixteen hours lecture, five hours lab (1 week course).*

FIRE 124 1 Unit
Fire Service Principles and Procedures II
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).*

FIRE 125 1 Unit
Fire Service Principles and Procedures III
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. *Sixteen hours lecture, five hours lab (1 week course).*

Fire Technology

FIRE 126 1 Unit
Fire Service Principles and Procedures IV
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. *Sixteen hours lecture, five hours lab (1 week course).*

FIRE 127 1 Unit
Fire Service Principles and Procedures V
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. *Sixteen hours lecture, five hours lab (1 week course).*

FIRE 128 3 Units
Emergency Medical First Responder for the Fire Service
Course Advisory: SCC minimum English and Math standards. Intended as a prerequisite for the stand alone EMT 212 course and as a prerequisite for EMT 212 included as part of FIRE 113A the Wildland FIRE Academy, FIRE 128 provides the student with the basic, pedagogical emergency care procedures for sick and injured victims as a first responder including but not limited to: cuts, abrasions, broken bones, trauma injuries, burns and respiratory /cardiovascular emergencies. *Two and one-half hours lecture, one and one-half hours lab.*

FIRE 129 1 Unit
Fire Control I
Course Advisory: SCC minimum English standard. Study of how fires start, spread and are controlled. *Twenty-four hours lecture (1 week course).*

FIRE 130 1 Unit
Fire Control II
Course Advisory: SCC minimum English and Math standards. Study of the identification of fire problems, use of equipment and personnel in search, rescue, and lifesaving situations created by fire. *Twenty-four hours lecture (1 week course).*

FIRE 131 1 Unit
Fire Control III
Course Advisory: SCC minimum English standard.
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. *Twenty-one hours lecture (1 week course).*

FIRE 132 2 Units
Pump Operation and Fire Hydraulics
Course Advisory: SCC minimum English standard.
Presents the principles of hydraulics as they relate to pumps used in fire fighting and appurtenant manipulative skills that accompany these principles. *Thirty-two hours lecture, eight hours lab (1 week course).*

FIRE 134 2.5 Units
Prevention 1A
Prerequisite: Either: (1) Completion of ALL SCC Fire Technology Fire Core Courses with a grade C or better: FIRE 050; FIRE 051; FIRE 053; FIRE 054; FIRE 055 and FIRE 056, or (2) State Certification as a Firefighter I and II. Course Advisory: SCC minimum English standard. An in depth course designed by the California State Fire Marshal's Office to provide the student with knowledge of : (1) the responsibility and authority for fire prevention inspections and related activities, (2) principles and procedures used to correct fire hazards, (3) occupancy classifications and types of building construction, (4) basic 'means of egress' requirements, (5) operational readiness of fire rated assemblies, (6) general fire safety provisions, (7) public relations as it relates to fire prevention inspections. [Special Note: This course was developed and is owned by the State of California-Office of the State Fire Marshal(CSFM) and can only be taught for Certification by a CSFM certified and registered instructor using only CFSM developed lesson plans, books and instructor materials.] *Four hours lecture (10 week course).*

Fire Technology

FIRE 135 2.5 Units
Prevention 1B Inspection/Fire Prot. Systems & Spec Haz
Prerequisite: Either: (1) Completion of all SCC Fire Technology Core Courses (FIRE 050; 051; 053; 054; 055; 056) with a grade of C or better OR (2) State Certification as a Firefighter I and II AND (3) Completion of California State Fire Marshal Fire Prevention IA (FIRE 134). Course Advisory: SCC minimum English standard. An in depth course designed by the California State Fire Marshal's Office to provide the student with information to (1) identify the classification, properties, labeling, incidental storage, handling, and use of flammable and combustible gases and hazardous materials other than flammable and combustible liquids and gases; (2) understand the principles and operational readiness of portable fire extinguishers, special fixed fire suppression systems, detection and alarm systems, sprinkler systems and fire pumps, and standpipe systems. [SPECIAL NOTE: This course was developed and is owned by the State of California-Office of the State Fire Marshal(CSFM) and can only be taught for Certification by a CSFM certified and registered instructor using only CFSM developed lesson plans, books and instructor materials.] *Four hours lecture (10 week course).*

FIRE 136 2.5 Units
Prevention 1C-Flammable Liquids and Gases
Prerequisite: Either: (1) Completion of all SCC Fire Technology Fire Core Courses with a grade C or better: FIRE 050; FIRE 051; FIRE 053; FIRE 054; FIRE 055; FIRE 056 or (2) State Certification as a Firefighter I and II and (3) Completion of CSFM Fire Prevention 1A and 1B. Course Advisory: SCC minimum English standard. An in depth course designed by the California State Fire Marshal's Office to: (1) identify the physical properties of flammable liquids and gases, combustible liquids, and compressed gases, (2) provide information relative to the storage and handling of flammable liquids and gases, (3) provide information regarding the installation of storage tanks and containers for flammable liquids and gases, (4) identify the techniques for extinguishment of flammable liquids and gases, (5) provide information relative to DOT labeling and placarding for flammable liquids and gases, (6) identify regulations governing the transportation of flammable liquids and gases, (7) identify procedures for controlling compressed and liquefied gas leaks, (8) identify procedures relative to the transfer of compressed liquefied gases. [Special Note: This course was developed and is owned by the State of California-Office of the State Fire Marshal(CSFM) and can only be taught for Certification by a CSFM certified and registered instructor using only CFSM developed lesson plans, books and instructor materials.] *Four hours lecture (10 week course).*

FIRE 140 24 Units
Fire Technology Academy
Prerequisite: FIRE 050 with a minimum grade of C and FIRE 083 with a minimum grade of C or PE 083 with a minimum grade of C or a passing grade on the CPAT or PACK test as evidence by certificate of completion. A course containing the contents of FIRE 115, 123, 124, 125, 126, 127, 129, 130, 131, and 83 and Certification of State Fire Marshal courses of I-200, Fire Control I, Fire Control 3B, Water / Swiftwater Rescue Awareness, Confined Space Awareness, Rescue Systems I, Trench Rescue, Low Angle Rescue, American Red Cross EMS First Responder for the Professional, and State Fire Marshal Certified wildland courses of S-190, S-130, S-131, S-134, L-180 and CALFIRE 67 Hour Basic Course. Successful students who maintained at least an 80% score on each unit and subject covered in this course may become eligible for certification by the State Fire Marshal as a Firefighter I pending a required internship with an recognized fire entity. The Solano College Fire Technology Program and its appurtenant Firefighter I Academy is a California State Fire Marshal Accredited Regional Training Program. *Fourteen hours lecture, thirty-one hours lab.*

FIRE 145 2 Units
Fire Investigation I
Prerequisite: This is a course belonging to and controlled by the California State Fire Marshal (SFM) through its State Fire Training Division and that division controls all aspects of the administration of this course including prerequisite. The SFM prerequisite for this course are proof of (1) Firefighter I Certification and Firefighter II Certification. Dean approval based on (SFM) guidelines. Course Advisory: SCC minimum English standard. 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 146 2 Units
Fire Investigation II
Prerequisite: FIRE 145-Fire Investigation I. Course Advisory: SCC minimum English standard. A continuation of Fire Investigation with emphasis on case preparation and courtroom demeanor. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

Fire Technology

FIRE 147A 3 Units
Pre-Fire Fuels Management
Course Advisory: SCC minimum English and Math standards. A study of fuel modeling within California as it applies to predicted flame lengths and flame depths, catastrophic fire potential and their resultant challenges in terms of wildland fire control, structure loss potential and subsequent defensible space requirements. Safety training will be incorporated throughout the course. *Two hours lecture, three hours lab.*

FIRE 147B 3 Units
Fire Operations in the Wildland Urban Interface
Corequisite: FIRE 060. Course Advisory: SCC minimum English and Math standards. Presents the fundamentals, objectives, and effects of basic wildland/urban interface pre-fire planning and suppression techniques. Study of past catastrophic wildland/urban interface fires and basic wildland fire weather and behavior will be used to establish a baseline of understanding modern pre-fire planning and suppression techniques. Safety training will be incorporated throughout the course. Field trips are required. *Two hours lecture, three hours lab.*

FIRE 150 2 Units
Fire Command 1A
Prerequisite: This is a course belonging to and controlled by the California State Fire Marshal (SFM) through its State Fire Training Division and that division controls all aspects of the administration of this course including prerequisite. The SFM prerequisite for this course are proof of (1) completion of ALL Fire Technology Core Courses with a grade of C or better: FIRE 050; FIRE 051; FIRE 053; FIRE 054; FIRE 055; FIRE 065, or (2) attainment of an Associate Degree in Fire Technology. Dean approval based on SFM guidelines. 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 151 2 Units
Fire Command 1B
Prerequisite: FIRE 150 - Fire Command 1A
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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 152 2 Units
Fire Management 2C
Prerequisite: FIRE 165 - Fire Management 2A
Organization and Development Course Advisory: SCC minimum English and Math standards. Upon successful completion of this course, the student will have acquired all the necessary knowledge and skills to successfully deal with (a) representatives, officers and agents of organized labor unions, (b) labor relations representatives and, (c) subordinate personnel while administering progressive disciplinary measures, reprimanding and dismissing said personnel. Formerly FIRE 148S. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 153 2 Units
Rescue Systems I
Prerequisite: Low Angle Rope Rescue. Dean approval based on State Fire Marshals guidelines. Course Advisory: SCC minimum English and Math standards. Provides the required knowledge and manipulative skills necessary to safely and effectively perform rescues from elevated and subterranean surfaces. Formerly FIRE 148T. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 154 2 Units
Strike Team Leader (S-334)
Prerequisite: Qualified Fire Officer. Dean approval based on State Fire Marshals guidelines. Course Advisory: SCC minimum English and Math standards. Presents the methodologies and job performance requirements to adequately function as a Strike Team Leader in a Mutual Aid and Wildland Fire Capacity. Formerly FIRE 148U. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

Fire Technology

FIRE 155 1 Unit
Basic ICS (I-200)
Course Advisory: SCC minimum English and Math standards. This is a course belonging to and controlled by the California State Fire Marshal (SFM) through its State Fire Training Division and that division controls all aspects of the administration of this course including prerequisite. The SFM prerequisite for this course is Dean approval based on proof of (1) Firefighter I Certification or (2) Documented member in Good Standing for at least two years in an organized fire entity. 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 to 8 week course).*

FIRE 161 2 Units
Fire Management I
Prerequisite: This is a course belonging to and controlled by the California State Fire Marshal (SFM) through its State Fire Training division and that division controls all aspects of the administration of this course including prerequisite. The SFM prerequisite for this course are proof of (1) Firefighter I Certification or (2) Documented member in Good Standing for at least two years in an organized fire entity. Dean approval based on SFM guidelines. 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 165 2 Units
Management 2A Organization and Development
Prerequisite: FIRE 161 - Fire Management I. Course Advisory: 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 166 2 Units
Management 2B Finance for Chief Officer
Prerequisite: FIRE 165 - Management 2A Organization and Development. Course Advisory: 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 168 2 Units
Management 2D Master Planning
Prerequisite: FIRE 165 - Management 2A Organization and Development. Course Advisory: SCC minimum English and Math standards. Fire service program planning, master planning, forecasting, systems analysis, and policy analysis. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 169 2 Units
Management 2E Issues and Concepts
Prerequisite: FIRE 165 - Management 2A Organization and Development. Course Advisory: 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 170 2 Units
Fire Service Instructor 1A
Prerequisite: This is a course belonging to and controlled by the California State Fire Marshal (SFM) through its State Fire Training Division and that division controls all aspects of the administration of this course including prerequisite. The SFM prerequisite for this course are proof of (1) completion of ALL Fire Technology Core Courses with a grade of C or better: FIRE 050; FIRE 051; FIRE 053; FIRE 054; FIRE 055; FIRE 065, or (2) attainment of an Associate Degree in Fire Technology. Dean approval based on SFM guidelines. SCC minimum English and Math standards. 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

Fire Technology

FIRE 171 2 Units
Fire Service Instructor 1B
Prerequisite: FIRE 170 - Fire Service Instructor 1A.
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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 174 2 Units
Prevention 2A Systems and Building Components
Prerequisite: This is a course belonging to and controlled by the California State Fire Marshal (SFM) through its State Fire Training Division and that division controls all aspects of the administration of this course including prerequisite. The SFM prerequisite for this course are proof of (1) Firefighter I Certification and Firefighter II Certification. Dean approval based on (SFM) guidelines.
Course Advisory: 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 176 2 Units
Prevention 2C Special Hazard Occupancies
Prerequisite: This is a course belonging to and controlled by the California State Fire Marshal (SFM) through its State Fire Training Division and that division controls all aspects of the administration of this course including prerequisite. The SFM prerequisite for this course are proof of (1) Firefighter I Certification and Firefighter II Certification. Dean approval based on (SFM) guidelines.
Course Advisory: SCC minimum English and Math standards. Special fire prevention challenges. This course addresses industrial ovens, finishing processes, welding, refrigeration systems, and medical gases. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 177 2 Units
Investigation 2A Criminal & Legal Procedures
Prerequisite: This is a course belonging to and controlled by the California State Fire Marshal (SFM) through its State Fire Training Division and that division controls all aspects of the administration of this course including prerequisite. The SFM prerequisite for this course are proof of (1) Firefighter I Certification and Firefighter II Certification. Dean approval based on (SFM) guidelines.
Course Advisory: 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 180 2.5 Units
Public Education I Systematic Planning and Communication Skills
Prerequisite: Firefighter I and II Certification, OR A documented member in good standing for at least two (2) years in an organized fire entity, OR Completion of all SCC Fire Technology Core Courses with a Grade of C or better; namely, FIRE 050, FIRE 051, FIRE 053, FIRE 054, FIRE 055, and FIRE 056. 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 juveniles, fire setters, creating and using audio visual resources, and ideas and resource sharing. *Four hours lecture (10 week course).*

FIRE 185 2 Units
Fire Command 2A Command Tactics at Major Fires
Prerequisite: This is a course belonging to and controlled by the California State Fire Marshal (SFM) through its State Fire Training Division and that division controls all aspects of the administration of this course including prerequisite. The SFM prerequisite for this course are proof of (1) Firefighter I Certification and Firefighter II Certification. Dean approval based on (SFM) guidelines.
Course Advisory: 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

Fire Technology

FIRE 186 2 Units
Command 2B Command of Major HAZ-MAT Incidents
Prerequisite: This is a course belonging to and controlled by the California State Fire Marshal (SFM) through its State Fire Training Division and that division controls all aspects of the administration of this course including prerequisite. The SFM prerequisite for this course are proof of (1) Firefighter I Certification and Firefighter II Certification. Dean approval based on (SFM) guidelines. Course Advisory: 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 187 2 Units
Fire Command 2C High Rise Emergencies
Prerequisite: This is a course belonging to and controlled by the California State Fire Marshal (SFM) through its State Fire Training Division and that division controls all aspects of the administration of this course including prerequisite. The SFM prerequisite for this course are proof of (1) Firefighter I Certification and Firefighter II Certification. Dean approval based on (SFM) guidelines. Course Advisory: 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 188 2 Units
Command 2D Disaster Planning
Prerequisite: This is a course belonging to and controlled by the California State Fire Marshal (SFM) through its State Fire Training Division and that division controls all aspects of the administration of this course including prerequisite. The SFM prerequisite for this course are proof of (1) Firefighter I Certification and Firefighter II Certification. Dean approval based on (SFM) guidelines. Course Advisory: 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

FIRE 189 2.5 Units
Fire Command 2E Wildland Fire Fighting Tactics
Course Advisory: SCC minimum English and Math standards. A study of command techniques used in selecting and utilizing resources during wildland fire fighting. This is a component of the State Fire Marshall's Advanced Fire Command series. Field trips are required. *Two and one-half hours lecture.*

FIRE 190 3 Units
Emergency Response to Terrorism
Course Advisory: Eligibility for ENGL 001. Designed for first responders to weapons of mass destruction incidents, this course will provide a basic understanding of the identification, rescue, and exclusion zones applicable to these incidents. *Three hours lecture.*

FIRE 196 2 Units
Prevention 2B Interpreting Codes
Prerequisite: This is a course belonging to and controlled by the California State Fire Marshal (SFM) through its State Fire Training Division and that division controls all aspects of the administration of this course including prerequisite. The SFM prerequisite for this course are proof of (1) Firefighter I Certification and Firefighter II Certification. Dean approval based on (SFM) guidelines. Course Advisory: SCC minimum English and Math standards. 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. *Two to sixteen hours lecture, four to thirty-two hours activity (1 to 8 week course).*

Fire Technology

FIRE 250

3 Units

Logistics Section Chief-I450

Course Advisory: *SCC minimum English and Math standards.* 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. *Forty-eight hours lecture (1 week course).*

FIRE 251

3 Units

Supply Unit Leader SEMS/ICS

Course Advisory: *SCC minimum English and Math standards.* 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. *Three hours lecture.*

Foreign Languages

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 of Art 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. All courses in the major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete an Associate Degree will be able to:

1. Read, write, speak, listen, and engage with the target culture in more than one language, at the novice-mid to advanced proficiency levels (depending on course level), as prescribed by the ACTFL Proficiency Guidelines and the ILR Culture Proficiency Guidelines. (Minimum of 20 units)

REQUIRED COURSES Units

French

FREN 001 First Semester French	5
<i>OR</i>	
FREN 031 First Semester French, Part 1	3
<i>AND</i>	
FREN 032 First Semester French, Part 2	3
FREN 002 Second Semester French	5
FREN 003 Third Semester French	5
FREN 004 Fourth Semester French	5
FREN 011 Conversational French	3
FREN 012 Intermediate French Conversation	3

German

GRMN 001 First Semester German	5
<i>OR</i>	
GRMN 031 First Semester German, Part 1	3
<i>AND</i>	
GRMN 032 First Semester German, Part 2	3
GRMN 002 Second Semester German	5
<i>OR</i>	
GRMN 033 Second Semester German, Part 1	3
<i>AND</i>	
GRMN 034 Second Semester German, Part 2	3
GRMN 003 Third Semester German	5
GRMN 004 Fourth Semester German	5
GRMN 011 Conversational German	3
GRMN 012 Intermediate German Conversation	3

Spanish Units

SPAN 001 First Semester Spanish	5
<i>OR</i>	
SPAN 031 First Semester Spanish, Part 1	3
<i>AND</i>	
SPAN 032 First Semester Spanish, Part 2	3
SPAN 002 Second Semester Spanish	5
<i>OR</i>	
SPAN 033 Second Semester Spanish, Part 1	3
<i>AND</i>	
SPAN 034 Second Semester Spanish, Part 2	3
SPAN 003 Third Semester Spanish	5
SPAN 004 Fourth Semester Spanish	5
SPAN 011 Conversational Spanish	3
SPAN 012 Intermediate Spanish Conversation	3

Latin Units

LATN 001 Latin Fundamentals	3
LATN 002 Latin Fundamentals	3
LATN 003 Latin Fundamentals	3

Foreign Languages

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. All courses in the major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

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

1. Read, write, speak, listen, and engage with the target culture at the novice-mid to advanced-low proficiency levels (depending on course level), as prescribed by the ACTFL Proficiency Guidelines and the ILR Culture Proficiency Guidelines

REQUIRED COURSES

Foreign Language, French Units

FREN 001 First Semester French	5
FREN 002 Second Semester French	5
FREN 003 Third Semester French	5
FREN 004 Fourth Semester French	5
FREN 011 Conversational French	3
FREN 012 Intermediate French Conversation	3
FREN 031 First Semester French, Part 1	3
FREN 032 First Semester French, Part 2	3
FREN 049 French Honors.	1 - 3

Foreign Language, German Units

GRMN 001 First Semester German	5
GRMN 002 Second Semester German	5
GRMN 003 Third Semester German	5
GRMN 004 Fourth Semester German	5
GRMN 011 Conversational German	3
GRMN 012 Intermediate German Conversation	3
GRMN 031 First Semester German, Part 1	3
GRMN 032 First Semester German, Part 2	3
GRMN 033 Second Semester German, Part 1	3
GRMN 034 Second Semester German, Part 2	3
GRMN 049 German Honors 1	3

Foreign Language, Spanish Units

SPAN 001 First Semester Spanish	5
SPAN 002 Second Semester Spanish	5
SPAN 003 Third Semester Spanish	5
SPAN 004 Fourth Semester Spanish	5
SPAN 011 Conversational Spanish.	3
SPAN 012 Intermediate Spanish Conversation	3
SPAN 025 Introduction to Latin-American Culture: An Exploration of Identity Through Essay, Film, and Short Story.	3
SPAN 031 First Semester Spanish, Part 1	3
SPAN 032 First Semester Spanish, Part 2	3
SPAN 033 Second Semester Spanish, Part 1	3
SPAN 034 Second Semester Spanish, Part 2	3
SPAN 049 Spanish Honors.	1 - 3
SPAN 061M Beginning Spanish, Part 1 for Medical Workers.	3
SPAN 062M Beginning Spanish, Part 2 for Medical Workers.	3
SPAN 063M Beginning Spanish, Part 3 for Medical Workers.	3
SPAN 064M Beginning Spanish, Part 4 for Medical Workers.	3
SPAN 001S Spanish for Spanish Speakers 1	5
SPAN 002S Spanish for Spanish Speakers 2	5

Foreign Languages

French

FREN 001 5 Units

First Semester French

Course Advisory: SCC minimum English standard.

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 031 and/or 032. 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 activities manual will be used to evaluate student progress. *Five hours lecture.*

FREN 002 5 Units

Second Semester French

Prerequisite: FREN 001 with a C or better, or FREN 032 with a C or better, or two years of high school French.

NOTE: Not open to students who have completed FREN 033 and/or 034. Continuation of FREN 001 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 assignments and completion of the activities manual will be used to evaluate student progress. *Five hours lecture.*

FREN 003 5 Units

Third Semester French

Prerequisite: FREN 002 with a C or better, or FREN 034 with a C or better, or three years of high school French with a C or better. Continuation of FREN 002, that 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 activities manual will be used to evaluate student progress. *Five hours lecture.*

FREN 004 5 Units

Fourth Semester French

Prerequisite: FREN 003 with a grade of C or better.

Continuation of French 003. Reviews and expands knowledge of elements previously learned, while introducing new material. Exposure to the culture and thinking of the French-speaking world. Extensive work is done in reading, writing and conversing in French. Regular Quizzes, exams, written and oral assignments required. *Five hours lecture.*

FREN 011 3 Units

Conversational French

Prerequisite: FREN 002 or FREN 034 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.*

FREN 012 3 Units

Intermediate French Conversation

Prerequisite: FREN 011 with a grade of C or better, or the equivalent. This course is a continuation of FREN 011, and is designed to promote competency in the oral use of the language and to increase fluency by expanding beyond previously learned materials, vocabulary and patterns of speech. The course emphasizes the practical application of the language, not grammar acquisition or review, exposing students to global awareness through a rich variety of Francophone cultural sources. *Three hours lecture.*

FREN 031 3 Units

First Semester French, Part 1

NOTE: Not open for credit to students who have received credit for FREN 001 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 001 requirement of some universities, transfer students must complete the sequence of FREN 031-032. *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 activities manual will be used to evaluate student progress. *Three hours lecture.*

Foreign Languages

FREN 032 3 Units
First Semester French, Part 2
Prerequisite: FREN 031 with a C or better, or one year of high school French. NOTE: Not open for credit to students who have completed FREN 001 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 001 requirement of some universities, transfer students must complete the sequence of FREN 031 and 032. Continuation of FREN 031 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 activities manual will be used to evaluate student progress. *Three hours lecture.*

FREN 049 1.00 to 3.00 Units
French Honors
Prerequisite: 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. Independent study and research, by arrangement with the instructor, in specified fields of study in French or creative writing in French. *Three to nine hours weekly by arrangement with instructor and division Dean.*

German

GRMN 001 5 Units
First Semester German
Course Advisory: SCC minimum English standard. 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 GRMN 031 and/or 032. 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 activities manual will be used to evaluate student progress. *Five hours lecture.*

GRMN 002 5 Units
Second Semester German
Prerequisite: GRMN 001, or 032, or two years of high school German or the equivalent all with a grade of C or better. NOTE: Not open to students who have completed GRMN 033 and/or 034. Continuation of GRMN 001, 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 activities manual will be used to evaluate student progress. *Five hours lecture.*

GRMN 003 5 Units
Third Semester German
Prerequisite: GRMN 002, or GRMN 034, or three years of high school German all with a grade of C or better. Completes the students' introduction to the fundamentals of German, reviewing and refining many of the concepts covered in GRMN 001 and 002 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 German, Austrian and Swiss writers. Exams, quizzes, written assignments and completion of the activities manual will be used to evaluate student progress. *Five hours lecture.*

GRMN 004 5 Units
Fourth Semester German
Prerequisite: GRMN 003 with a C or better, or four years of high school German with a C or better. Continues the review and expansion of students' knowledge of basic German begun in GRMN 003, 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 German, Austrian and Swiss writers. Exams, quizzes, written assignments and completion of the activities manual will be used to evaluate student progress. *Five hours lecture.*

GRMN 011 3 Units
Conversational German
Prerequisite: GRMN 002 or GRMN 034 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.*

Foreign Languages

GRMN 012 3 Units
Intermediate German Conversation
Prerequisite: GRMN 011 with a grade of C or better.
A continuation of GERMN 011, 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, exposing students to global awareness through a rich variety of cultural sources from the German-speaking world. *Three hours lecture.*

GRMN 031 3 Units
First Semester German, Part 1
Course Advisory: SCC minimum English standard.
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 GRMN 001. 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 activities manual will be used to evaluate student progress. **NOTE: In order to fulfill the one-semester German 001 requirement of some universities, transfer students must complete the sequence of GRMN 031 and 032.** *Three hours lecture.*

GRMN 032 3 Units
First Semester German, Part 2
Prerequisite: GRMN 031 or one year of high school German with a minimum grade of C. **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 GRMN 001.** Continuation of GRMN 031, 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 activities manual will be used to evaluate student progress. **NOTE: In order to fulfill the one-semester German 1 requirement of some universities, transfer students must complete the sequence of GRMN 031-032.** *Three hours lecture.*

GRMN 033 3 Units
Second Semester German, Part 1
Prerequisite: GRMN 001 or GRMN 032 with a minimum grade of C. **NOTE: Not open for credit to students who have received credit for GRMN 002.** Continuation of GRMN 001 (or GRMN 032), 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 activities manual will be used to evaluate student progress. *Three hours lecture.*

GRMN 034 3 Units
Second Semester German, Part 2
Prerequisite: GRMN 033 with a minimum grade of C. **Not open for credit to students who have received credit for GRMN 002.** Continuation of GRMN 033, 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 activities manual will be used to evaluate student progress. *Three hours lecture.*

GRMN 049 1.00 to 3.00 Units
German Honors
Prerequisite: 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. Independent study and research, by arrangement with the instructor, in specified fields of study in German or creative writing in German. *Three to nine hours weekly by arrangement with instructor and division Dean.*

Foreign Languages

Italian

ITAL 031 3 Units

First Semester Italian, Part 1

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 activities 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.**

ITAL 032 3 Units

First Semester Italian, Part 2

Prerequisite: ITAL 031 with a grade of C or better. Course Advisory: SCC minimum English standard. Continuation of ITAL 031 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 activities manual will be used to evaluate student progress. *Three hours lecture.*

ITAL 033 3 Units

Second Semester Italian, Part 1

Prerequisite: ITAL 032 with a grade of C or better. Course Advisory: SCC minimum English standard. Continuation of ITAL 032 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 activities manual will be used to evaluate student progress. *Three hours lecture.*

ITAL 034 3 Units

Second Semester Italian, Part 2

Prerequisite: ITAL 033 with a C or better. Course Advisory: SCC minimum English standard. Continuation of ITAL 033 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 activities manual will be used to evaluate student progress. *Three hours lecture.*

Japanese

JAPN 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.*

JAPN 102 3 Units

Conversational Japanese

Prerequisite: JAPN 101 with a grade of C or better. A continuation of JAPN 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

LATN 001 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.*

LATN 002 3 Units

Latin Fundamentals

Prerequisite: LATN 001. 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.*

LATN 003 3 Units

Latin Fundamentals

Prerequisite: LATN 001 and 002. 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.*

Foreign Languages

LATN 049

1 Unit

Latin Honors

Prerequisite: 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. Independent study and research, by arrangement with the instructor, in specified fields of study in Latin or creative writing in Latin. *Three to nine hours weekly by arrangement with instructor and division Dean.*

Spanish

SPAN 001

5 Units

First Semester Spanish

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 001S, or SPAN 031 and/or 032, or SPAN 061M and/or 062M. *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. The students will interact with authentic language in a cultural context. *Five hours lecture.*

SPAN 001S

5 Units

Spanish for Spanish Speakers 1

Prerequisite: Designed for heritage speakers. Intermediate proficiency in speaking, writing, listening and reading, as determined by the ACTFL guidelines. Prior consent of instructor required. **NOTE: Not an entry-level language class. Open to heritage students who have proficiency in the language, but have had little or no formal training; or other linguistically qualified students who have completed two full semesters of college Spanish, or the equivalent; or by consent of instructor.** *Course Advisory: SCC minimum English and Math standards.* This course, which is conducted entirely in Spanish, is the first part of a two-semester sequence designed for heritage speakers of Spanish, or other linguistically qualified students, who are proficient in the language, but who have had little or no formal language training. It provides instruction that builds upon students' existing skills in reading, writing, speaking, listening and cultural knowledge. The course will underscore accuracy in the use of linguistic registers, hone aural comprehension, provide instruction in oral and written communication, expand word usage and vocabulary, and increase cultural awareness, so that students are able to address topics that go beyond the personal sphere. *Five hours lecture.*

SPAN 002

5 Units

Second Semester Spanish

Prerequisite: Minimum grade of C in SPAN 001, or SPAN 001S, or SPAN 032, or SPAN 062M, or two years of high school Spanish. **NOTE: Not open to students who have completed SPAN 002S, or SPAN 033 and/or 034, or SPAN 063M and/or 064M.** Continuation of SPAN 001. Continues students' introduction to 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 through authentic language in a cultural context. *Five hours lecture.*

SPAN 002S

5 Units

Spanish for Spanish Speakers 2

Prerequisite: SPAN 001S with a grade of C or better, or by consent of instructor. **NOTE: Designed for heritage speakers. Intermediate proficiency in speaking, writing, listening and reading, as determined by the ACTFL guidelines. Open to students who have completed SPAN 001S or SPAN 003 or the equivalent, or consent by instructor.** *Course Advisory: SCC minimum English and Math standards.* This course, which is conducted entirely in Spanish, is the second part of a two-semester sequence designed for heritage speakers of Spanish, or other linguistically qualified students, who are proficient in the language, but who have had little or no formal language training. It provides instruction that builds upon students' existing skills in reading, writing, speaking, listening and cultural knowledge. The course will underscore accuracy in the use of linguistic registers, hone aural comprehension, provide instruction in oral and written communication, expand word usage and vocabulary, and increase cultural awareness, so that students are able to address topics that go beyond the personal sphere. *Five hours lecture.*

Foreign Languages

SPAN 003

5 Units

Third Semester Spanish

Prerequisite: SPAN 002, or SPAN 002S, or SPAN 034, or SPAN 064M, or three years of high school Spanish all with a grade of C or better. This course teaches culture and facilitates language acquisition through listening, speaking, reading and writing. Students will continue to interact with authentic language in context and express personal meaning, using different strategies and techniques that go beyond casual conversation, in order to express opinions, make suggestions on familiar topics, discuss some abstract issues, and make plans. Students will demonstrate the ability to think critically by analyzing linguistic structures and reflecting on and making cross-cultural comparisons. Students will demonstrate an increased awareness of cultural norms, values, and culturally relevant appropriate customs and events. This course will be taught in Spanish. *Five hours lecture.*

SPAN 004

5 Units

Fourth Semester Spanish

Prerequisite: SPAN 003 or four years of high school Spanish, each with a grade of C or better. Continuation of Spanish 003. This course continues to expand upon culture and facilitate language acquisition through listening, speaking, reading and writing. Students will continue to interact with authentic language in context and express personal meaning, using different strategies and techniques that go beyond casual conversation, in order to express opinions, make suggestions on familiar topics, discuss some abstract issues, and make plans. Students will demonstrate the ability to think critically by analyzing linguistic structures and reflecting on and making cross-cultural comparisons. Students will demonstrate an increased awareness of cultural norms, values, and culturally relevant appropriate customs and events. This course will be taught in Spanish. *Five hours lecture.*

SPAN 011

3 Units

Conversational Spanish

Prerequisite: SPAN 002, or SPAN 02S, or SPAN 034, or SPAN 064M 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 012

3 Units

Intermediate Spanish Conversation

Prerequisite: Spanish 011 with a grade of C or better. This course is a continuation of SPAN 11, and is designed to promote competency in the oral use of the language and to increase fluency by expanding beyond previously learned materials, vocabulary, and patterns of speech. The course emphasizes the practical application of the language, not grammar acquisition or review, exposing students to global awareness through a rich variety of Latino cultural sources. *Three lecture hours.*

SPAN 025

3 Units

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

Prerequisite: SPAN 003 with a C or better, or the equivalent by consent of the instructor. 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 026

3 Units

Spanish Cinema for Conversation

Prerequisite: SPAN 003 with a grade of C or better or the equivalent by consent of the instructor. Course Advisory: SCC minimum English and Math standards. This course will expose students to the diversity and complexity of Spanish and Latin American thought as expressed in films in the target language with the use of subtitles. The spring-board for building of the students' conversational skills will be issues that inform contemporary culture and, secondarily, an exploration of their artistic and cinematic rendition. Conversations and essays will also address the specific cinematic and artistic techniques and symbolism, of each film. Active participation, viewing and discussion of all films is necessary for completion of the course. This course will be conducted in Spanish. *Three hours lecture.*

Foreign Languages

SPAN 031 3 Units
First Semester Spanish, Part 1
Course Advisory: SCC minimum English standard.
NOTE: Not open for credit to students who have received credit for SPAN 001, or SPAN 001S, or SPAN 061M, 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 001 requirement of some universities, transfer students must complete the sequence of Spanish 031 and 032. 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 activities manual will be used to evaluate student progress. *Three hours lecture.*

SPAN 032 3 Units
First Semester Spanish, Part 2
Prerequisite: SPAN 031 or SPAN 061M with a C or better.
NOTE: Not open for credit to students who have received credit for SPAN 001, or SPAN 001S, or SPAN 062M, 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 001 requirement of some universities, transfer students must complete the sequence of Spanish 031 and 032. Continuation of Spanish 031, 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 activities manual will be used to evaluate student progress. *Three hours lecture.*

SPAN 033 3 Units
Second Semester Spanish, Part 1
Prerequisite: SPAN 001, or SPAN 001S, or SPAN 032, or SPAN 062M with a grade of C or better. Not open for credit to students who have received credit for SPAN 002, SPAN 002S, or SPAN 063M. Continuation of Spanish 001 (or Spanish 032), 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 activities manual will be used to evaluate student progress. *Three hours lecture.*

SPAN 034 3 Units
Second Semester Spanish, Part 2
Prerequisite: SPAN 033 or SPAN 063M with a grade of C or better. NOTE: Not open for credit to students who have received credit for SPAN 002 or SPAN 002S. Continuation of Spanish 033, 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 activities manual will be used to evaluate student progress. *Three hours lecture.*

SPAN 049 1.00 to 3.00 Units
Spanish Honors
Prerequisite: 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. Independent study and research, by arrangement with the instructor, in specified fields of study in Spanish or creative writing in Spanish. *Three to nine hours weekly by arrangement with instructor and Division Dean.*

SPAN 061M 3 Units
Beginning Spanish, Part 1 for Medical Workers
Course Advisory: SCC minimum English standard.
NOTE: Students who complete this course with a C or better will not be able to receive credit for SPAN 031, SPAN 001, or SPAN 001S. 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.*

SPAN 062M 3 Units
Beginning Spanish, Part 2 for Medical Workers
Prerequisite: SPAN 061M, SPAN 031, with a C or better.
Course Advisory: SCC minimum English standard.
NOTE: Students who complete this course with a C or better will not be able to get credit for SPAN 032, SPAN 001, or SPAN 001S. 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.*

Foreign Languages

SPAN 063M

3 Units

Beginning Spanish, Part 3 for Medical Workers

Prerequisite: SPAN 062M, or SPAN 032, or SPAN 001, or SPAN 001S with a C or better. Course Advisory: SCC minimum English standard. NOTE: Not open to students who have completed SPAN 002, or SPAN 002S, or SPAN 033. Continuation of SPAN 062M, 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.*

SPAN 064M

3 Units

Beginning Spanish, Part 4 for Medical Workers

Prerequisite: SPAN 063M or SPAN 033. with a C or better Course Advisory: SCC minimum English standard. NOTE: Not open to students who have completed SPAN 002, or SPAN 002S, or SPAN 034. Continuation of SPAN 063M, 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.*

Foreign Languages

FLNG 101

2 Units

Cross Age Teaching

Corequisite: Concurrent enrollment in 1 unit of OCED 090. Prerequisite: Students must have completed French 002, German 002, or Spanish 002 with a grade of C or better. Weekly seminars will explore how children learn and develop understanding in French, German and Spanish. Working with a peer partner or partners, students will prepare lesson plans and develop curriculum. Through a co-requisite OCED 090, students will work in elementary school classes in Solano County to provide language instruction based on the lesson plans developed. *Two hours lecture.*

History

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 Art 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. All courses in the major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete an Associate Degree will be able to:

1. Recognize and define a variety of major economic, social, cultural and political events and trends in history.
2. Analyze the significant causal factors that contributed to the shaping of a variety of historical movements, events and trends.
3. Interrogate and analyze primary historical evidence, including textual documents, artifacts and visual images.

REQUIRED COURSES	Units
HIST 002 World History to 1600.	3
<i>OR</i>	
HIST 004 History of Western Civilization to 1500.	3
HIST 003 Modern World History	3
<i>OR</i>	
HIST 005 History of Western Civilization Since 1500	3
HIST 017 History of the United States to 1865.	3
<i>AND</i>	
HIST 018 History of the United States from 1865	3
Select six units from the electives below.	6
Total Units	18

Electives selected from the following categories . . Units

I. United States

HIST 010 California History	3
HIST 028 African American History to 1877	3
HIST 031 Mexican American/Chicano History.	3
HIST 037 Women in American History.	3

II. World History Units

HIST 002 World History to 1750.	3
HIST 003 Modern World History.	3
HIST 004 History of Western Civilization to 1500.	3
HIST 005 History of Western Civilization Since 1500.	3
HIST 030 History of Mexico	3

III. Ethnicity and Gender Studies Units

HIST 028 African American History to 1877	3
HIST 029 African American History Since 1865.	3
HIST 031 Mexican American/Chicano History.	3
HIST 037 Women in American History.	3

History

HIST 002 3 Units
World History to 1600
Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard. An integrated study of world civilizations from their beginnings to 1500. 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. *Three hours lecture.*

HIST 003 3 Units
Modern World History
Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard. An integrated 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. *Three hours lecture.*

HIST 004 3 Units
History of Western Civilization to 1500
Course Advisory: Eligibility for ENGL 001. Survey of the history of the development of western culture and civilization to the Reformation. Emphasis will be on analyzing the major social, political, economic and cultural forces which have shaped European societies. *Three hours lecture.*

HIST 005 3 Units
History of Western Civilization Since 1500
Course Advisory: Eligibility for ENGL 001. 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. *Three hours lecture.*

HIST 010 3 Units
California History
Course Advisory: Eligibility for ENGL 001. Survey of California history from the pre-colonial, Native American period to the modern state. Particular emphasis will be placed on the interplay of geographic, economic, political, social and cultural forces that shaped both the development of this diverse state and the experiences of a wide range of peoples who have inhabited it. *Three hours lecture.*

HIST 017 3 Units
History of the United States to 1865
Course Advisory: Eligibility for ENGL 001. This course is a survey of the history of the United States from its Native American, African and European origins through the period of the Civil War and Reconstruction. Emphasis is placed upon the analyzing the major economic, social, political, and cultural events, movements and trends that shaped historical developments, examining cause and effect relationships and interpreting primary and secondary sources. *Three hours lecture.*

HIST 018 3 Units
History of the United States from 1865
Course Advisory: Eligibility for ENGL 001. This course is a survey of the history of the United States from Reconstruction to the present. It examines the major economic, social, political, and cultural events that shaped the United States and their impact on American life. This course also examines the United States' increasing involvement in world affairs. Special emphasis is placed on analyzing the cause and effect relationships in U.S. history and on the historical interpretation of events and trends in U.S. history. *Three hours lecture.*

HIST 028 3 Units
African American History to 1877
Course Advisory: Eligibility for ENGL 001. This is a survey course of the African-American experience in the United States from African origins to 1877. An emphasis is placed on the role of Africans in the settlement of North America, a comparison of colonial slave systems, and African-American strategies of resistance and self-help. The course will examine the contributions of African Americans to the social, political, and economic development of the United States. *Three hours lecture.*

HIST 029 3 Units
African American History Since 1865
Course Advisory: Eligibility for ENGL 001. This course is a survey of the political, social, and economic history of African Americans from Reconstruction (1865) to the present. An emphasis is placed on the transition of African Americans from slavery to freedom, segregation, migration and urbanization, black ideology and leadership, and African American protest movements of the twentieth century. The course will closely examine the role of African-Americans in shaping the American nation. *Three hours lecture.*

History

HIST 030

3 Units

History of Mexico

Course Advisory: 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 031

3 Units

Mexican American/Chicano History

Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard. A survey of Mexican American/Chicano history from the pre-Columbian civilizations 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 in the United States. Special attention is given to the contributions of Mexican Americans and Mexican immigrants to the multi-cultural development of the United States. *Three hours lecture.*

HIST 037

3 Units

Women in American History

Course Advisory: Eligibility for ENGL 001. 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.*

Horticulture

Horticulture and Plant Science

Program Description

This program is designed to provide theory and practical experience needed to enter the horticulture field or prepare for advancement or certification. It also offers some of the basic courses required of horticulture majors transferring to four-year institutions. This program offers certificates and degrees in six Ornamental Horticulture areas.

Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained by completing all courses in the major with a grade of C or better or a P if the course is taken on a Pass/No Pass basis. The Associate in Science Degree can be obtained by completing a total of 60 units, including the required courses in the major, the general education requirements, and electives. All courses for this major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

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

1. Design a landscape.
2. Lay out a landscape.
3. Estimate the cost of a landscape.

REQUIRED COURSES	Units
HORT 006 Identification and Ecology of Landscape Plant Materials.	4
HORT 030 Landscape Design I.	3
HORT 050 Introduction to Horticulture	3
HORT 055 Soils and Fertilizers.	3
HORT 056 Landscape Pest Control and Management ...	4
HORT 070 Landscape Construction and Estimation	3
HORT 071 Irrigation Principles	3
Total Units	23

For Human Development, see Child Development and Family Studies (CDFS)

Landscape Worker Job-Direct Certificate

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

REQUIRED COURSES	Units
HORT 006 Identification and Ecology of Landscape Plant Materials.	4
HORT 050 Introduction to Horticulture	3
HORT 071 Irrigation Principles	3
Total Units	10

***Students will be required to complete 80 hours of cooperative supervised work experience to receive credit.**

Horticulture

HORT 006 4 Units
Identification and Ecology of Landscape Plant Materials
Course Advisory: HORT 050 recommended and SCC minimum English and Math standards. Study of the identification, growth habits, cultural requirements, and evaluation of landscape plant materials used for ornamental purposes in Western landscapes. Laboratory experience will emphasize the identification and use of the plant materials in various landscape settings. A collection will be required. *Three hours lecture, three hours lab.*

HORT 030 3 Units
Landscape Design I
Prerequisite: A grade of C or better in HORT 006. Course Advisory: HORT 050; SCC minimum English and Math standards. Introduction to the skills and techniques of landscape design principles and practices. Laboratories will stress drafting techniques through design projects. Field trips required. *Two hours lecture, three hours lab.*

HORT 031 3 Units
Landscape Design II
Prerequisite: A grade of C or better in HORT 030. Course Advisory: HORT 050; SCC minimum English and Math standards. Presents the association of plant materials according to design principles and their environmental requirements with attention to groupings, arrangements and planting about buildings and other landscape structures. Landscape drafting will be stressed in the laboratory projects culminating in a term design project. Mandatory field trips. *Two hours lecture, three hours lab.*

HORT 050 3 Units
Introduction to Horticulture
Course Advisory: SCC minimum English and Math standards. Introduction and preview of the nursery, florist, and landscaping industries including elemental landscape design, flower arranging, plant identification, plant propagation, landscape tools, turf care, pest control, soil testing and basic botany. Laboratory experience will develop beginning techniques in propagation, soil testing, and turf and shrub maintenance. Mandatory field trips will be taken to various phases of the industry. *Two hours lecture, three hours lab.*

HORT 055 3 Units
Soils and Fertilizers
Course Advisory: SCC minimum English and Math standards. Study of the relationships of soils and fertilizers to proper plant growth and emphasizes analysis of soils and fertilizers. Field laboratories will develop management techniques in testing and application through exercises and field trip observations. *Two hours lecture, three hours lab.*

HORT 056 4 Units
Landscape Pest Control and Management
Course Advisory: SCC minimum English and Math standards. Study of horticultural pests, insects, weeds, diseases and other non-pathogenic causes common to the Solano County area emphasizing identification, cultural, rotational, natural and chemical control methods. Mandatory field trips and laboratory experiences will provide experiences in detection, identification and techniques necessary to manage and control various species of plant pests. A collection is required. *Three hours lecture, three hours lab.*

HORT 070 3 Units
Landscape Construction and Estimation
Course Advisory: SCC minimum English and Math standards; HORT 050. Study of the construction of patios, decks, walks, retaining walls, raised planters, mowstrips, fences, overhead structures, masonry work, sprinkler layout and other landscape features with emphasis on building code specifications. Previews contractor's licensing. Site development and construction skills will be developed during the laboratory. *Two hours lecture, three hours lab.*

HORT 071 3 Units
Irrigation Principles
Course Advisory: SCC minimum English and Math standards; HORT 055. Study of the principles and management of water development and use in agricultural and horticultural production with special emphasis on water supplies, measurement, movement through soils, application methods, amounts needed and problems of distribution. The field laboratories will develop management techniques through exercises and field trip observations. *Two hours lecture, three hours lab.*

HORT 301A 2 Units
Adaptive Horticulture - Basic Skills and Practices
Course Advisory: This course is for students with learning difficulties. A horticulture and vocational training class adapted for students with special learning needs. Students will learn basic horticulture skills in a garden, nursery, and landscape setting. Safety training will be incorporated throughout the course. Students will receive a letter grade for this course. There will be 1 or more field trips for this course. *Two hours lecture, four hours lab and four hours activities (8 week course).*

Horticulture

HORT 301B **2 Units****Adaptive Greenhouse Management**

Course Advisory: This course is primarily for students with special learning needs. This is a greenhouse skills vocational training course adapted for but not limited to students with intellectual and/or physical disabilities. Students will learn greenhouse management skills for employment preparation. Students will learn greenhouse management skills for employment preparation. *Two hours lecture, four hours lab and four hours activity (8 week course).*

HORT 301E **2 Units****Adaptive Plant Propagation**

Course Advisory: This course is primarily for students with disabilities. This is a plant propagation skills vocational training course adapted but not limited to students with intellectual and/or physical disabilities. Students will learn propagation management skills for employment preparation. Students will receive a letter grade for this course. There will be one or more field trips required for this course. *Two hours lecture, four hours lab, four hours activity (8 week course).*

HORT 301C **2 Units****Adaptive Nursery and Landscape Management**

Course Advisory: This course is primarily for students with disabilities. This is a nursery and landscape skills vocational training course adapted for but not limited to students with intellectual and/or physical disabilities. Students will learn nursery and landscape management skills for employment preparation. Students will be given a letter grade for this course. *Two hours lecture, four hours lab, four hours activity (8 week course).*

HORT 301D **2 Units****Adaptive Vegetable and Orchard Management**

Course Advisory: This course is primarily for students with disabilities. This is a vegetable and orchard skills vocational training course adapted for but not limited to students with intellectual and/or physical disabilities. Students will learn vegetable and orchard management skills for employment preparation. Students will receive a letter grade for this course. There are one or more field trips required for this course. *Two hours lecture, four hours lab, four hours activity (8 week course).*

Human Services

For Human Development, see Child Development and Family Studies.

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 of Arts Degree

A Certificate of Achievement can be obtained upon completion of the 23-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. All courses in the major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

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

1. Development of basic knowledge within the field of Human Services.
2. Development of cultural competency, group facilitation, and case management skills.
3. Application of Human Services knowledge and skills.

REQUIRED COURSES	Units
COUN 062 Helping Skills: Creating Alliances & Facilitating Change	3
COUN 064A Practicum I	4
COUN 064B Practicum II	4
HS 051 Introduction to Human Services	3
HS 052 Introduction to Group Processes	3
HS 053 Serving Special Populations	3
HS 055 Introduction to Case Management	3
Total Units	23

Recommended Electives

COUN 055 Valuing Diversity
CJ 001 Introduction to Criminal Justice
CJ 011 Community Relations
CJ 058 Fundamentals of Crime and Delinquency
CDFS 062 Introduction to Early Childhood Education
CDFS 038 Child Development
CDFS 039 School Years and Adolescent Development
CDFS 052 Children with Special Needs
CDFS 070 Lifespan Human Development
PSYC 001 Introduction to Psychology
PSYC 002 Biological Psychology
PSYC 005 Abnormal Psychology
PSYC 010 Psychology of Woman
PSYC 020 Personal and Social Behavior
PSYC 034 Human Sexual Behavior
PSYC 040 Drugs, Society & Behavior
PSYC 065 Introduction to the Psychology of Aging
OCED 090 Occupational Work Experience
SOCS 022 Ethnic, Racial and Minority Group Relations in
Harmony and Conflict
SOCS 023 The African-American Family
SOCS 025 Mexican-American Experience
SOCS 027 Native American Experience
SOC 001 Introduction to Sociology
SOC 002 Social Issues and Problems
SOC 040 Sociology of the Family

Human Services

HS 051 3 Units
Introduction to Human Services
Course Advisory: Eligibility for ENGL 001 and SCC minimum Math standard. Provided is an overview of the history and purpose of human services. Students will familiarize themselves with skills needed to provide optimum services to diverse consumer populations in areas such as social welfare, mental health, substance use, rehabilitation, and child, adult and elder care. Political and economic aspects inclusive of roles and functions of local human services agencies systems will be examined. *Three hours lecture.*

HS 052 3 Units
Intro Group Process
Course Advisory: COUN 062; eligibility for ENGL 001; 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 053 3 Units
Special Populations
Course Advisory: Eligibility for ENGL 001 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 055 3 Units
Case Management
Prerequisite: COUN 062. Course Advisory: Eligibility for ENGL 001 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.*

Industrial Education

Mechatronics

Program Description

Mechatronics is the blending of electronics, mechanics, electrical, and computers to produce a well-rounded technician capable of handling the complex maintenance and operations tasks demanded by modern manufacturing, transportation, communication, and other industries. The modularization of electro-mechanical devices no longer requires in-depth specialization of a single field of study as more emphasis is placed on troubleshooting and replacement skills for maintenance and generalized knowledge of how systems work together for operations and purchasing and planning.

Certificate of Achievement and Associate of Arts Degree

A Certificate of Achievement can be obtained upon completion of the 42 unit major listed below. The Associate in Science Degree can be obtained by completing a total of 60 units, including the 42 unit major, the general education requirements, and electives. All courses in the major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

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

1. Safely operate a variety of testing instruments and diagnostic tools.
2. Recognize complex systems and understand their function, operation, advantages and disadvantages.
3. Analyze complex systems and diagnose/troubleshoot problems.

REQUIRED COURSES	Units
CIS 001 Introduction to Computer Science	3
IT 050 Alternative Energy Technologies	3
IT 101 How Things Work	3
IT 151 Vocational Mathematics	3
MT 120 Principles of Analog Electronics	3
MT 122 Principles of Digital Electronics	3
MT 130 Principles of Mechanical Power Systems	3
MT 132 Principles of Fluid Power Systems	3
MT 140 Principles of Industrial Electrical Systems	3
MT 142 Principles of Electrical Machinery	3
MT 162 Robotic Manufacturing Systems	3
MT 164 Programmable Logic Controllers	3
Electives Selected from List A	6
Total Units	42

List A (select 6 units)

ACR 100 Air Conditioning and Refrigeration	3
OR	
ACR 101 Air Conditioning and Refrigeration	3
DRFT 045 Introduction to Computer-Aided Drafting (CAD)	3
DRFT 050 Basic Drafting	3
DRFT 079 Blueprint Reading	3
IT 110 Modern Welding	3
IT 120 Electrical Safety	3
IT 140 Industrial Materials	3
OCED 090 Occupational Work Experience	1 - 8

Industrial Education

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 Advisory: 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

IT 050 3 Units

Alternative Energy Technologies

Course Advisory: SCC minimum English and Math standards. Introduces the topics of power generation, transmission, and consumption of both conventional and alternative energy sources. Students will be exposed to an in-depth analysis of the design and use of fossil fuel based systems and then compare those systems to alternatives. Energy use in transportation, industrial, commercial, and residential applications will be examined. *Three hour lecture.*

IT 101 3 Units

How Things Work

Course Advisory: SCC minimum English and Math standards. Provides an understanding of how the technology in our lives works using only basic concepts and rudimentary mathematics. This course considers objects from our daily environment and focuses on their principles of operation, histories, and relationships to one another. Students learn about common technologies through lecture, classroom discussion, and laboratory experiments. *Two hours lecture, three hours lab.*

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 120 1.00 to 3.00 Units

Electrical Safety

Course Advisory: SCC minimum English and Math Standards. A survey of the proper use, handling, and hazards associated with electrical and electronic equipment. The student will be introduced to the current generally accepted (National Electrical Safety Code) safety practices and procedures associated with power transmission, industrial, and consumer electrical and electronic equipment. Formerly ECTN 102. Open entry-open exit. *One to Three hours lecture.*

IT 130 1 Unit

Fundamentals of Wire and Cabling

Course Advisory: SCC minimum English and Math standards. Presents the principles and practices of copper cable wiring technology. Includes instruction in the design, installation, and maintenance of copper wiring systems for intelligent control systems, lighting and appliance control devices, communication, and networking. Also includes instruction in household and institutional power wiring. Formerly ECTN 111. *One hour lecture, one hour lab.*

IT 132 1 Unit

Fundamentals of Fiber Optics

Course Advisory: SCC minimum English and Math standards. Presents the principles and practices of fiber optics and optoelectronic technology. Includes instruction in the design, installation, and maintenance of fiber optic cabling and control systems and optoelectronic control systems for computer communication and networking systems. Formerly ECTN 112. *One hour lecture, one hour lab.*

IT 134 1 Unit

Fundamentals of Wireless Communication

Course Advisory: SCC minimum English and Math standards. Presents the principles and practices of wireless communication technology. Includes instruction in the design, installation, and maintenance of wireless communication and network systems. Emphasis is placed on system reliability, security, and cost containment concerns. Formerly ECTN 113. *One hour lecture, one hour lab.*

Industrial Education

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.*

IT 151 3 Units
Vocational Mathematics
Course Advisory: 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.*

Maintenance Technician Industrial Technology

MT 120 3 Units
Principles of Analog Electronics
Course Advisory: SCC minimum English and Math standards. Introduces the topic of analog electronics as it applies to mechatronics. Studies include an introduction to DC and AC circuitry as well as advanced electronic components, instruments used in the operation, installation, and troubleshooting of electronic systems, schematic diagrams, and breadboarding. Students will construct several kits as part of the class. *Two hours lecture, three hours lab.*

MT 122 3 Units
Principles of Digital Electronics
Course Advisory: SCC minimum English and Math standards. Introduces the topic of digital electronics as it applies to mechatronics. Studies include an introduction to digital numbering systems, digital codes and logic, registers, memories, Boolean Algebra, and integrated circuits as well as advanced topics in computerized control systems. Students will construct several kits as part of the class. *Two hours lecture, three hours lab.*

MT 130 3 Units
Principles of Mechanical Power Systems
Course Advisory: SCC minimum English and Math standards. Introduces the topic of mechanical power systems and mechanical power transmission as it applies to mechatronics. Studies include mechanical theory, mechanical power, thermal systems, hand tools, precision measuring instruments, and mathematics applied to mechanical power systems. Includes studies in manufacturing technology using modern manufacturing equipment and software simulators. *Two hours lecture, three hours lab.*

MT 132 3 Units
Principles of Fluid Power Systems
Course Advisory: SCC minimum English and Math standards. Introduces the topic of hydraulic and pneumatic systems as they apply to mechatronics. Studies include fluid power systems theory, pumps, actuators, accumulators, filters, meters, valves, control devices, and mathematics applied to fluid power systems. Includes studies in manufacturing technology using modern manufacturing equipment and software simulators. *Two hours lecture, three hours lab.*

MT 140 3 Units
Principles of Industrial Electrical Systems
Course Advisory: SCC minimum English and Math standards. Introduces the topic of DC, single-phase and three-phase AC circuits as they apply to mechatronics. Introduces commercial/industrial electrical installations that meet National Electrical Code requirements. Students will complete labs and wiring projects. Lab, electrical and worksite safety is emphasized. *Two hours lecture, three hours lab.*

MT 142 3 Units
Principles of Electrical Machinery
Prerequisite: MT 120 with a grade of C or better or MT 140 with a grade of C or better. Course Advisory: SCC minimum English and Math standards. Introduces the topic of electrical machinery as it applies to mechatronics. Studies include direct-current and alternating-current generators, alternators, transmission equipment, and motors. Students will complete labs and electrical machinery projects. Lab, electrical and worksite safety is emphasized. *Two hours lecture, three hours activities.*

MT 162 3 Units
Robotic Manufacturing Systems
Course Advisory: 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.*

Industrial Education

MT 164 3 Units
Programmable Logic Controllers
Course Advisory: SCC minimum English and Math standards. Introduces the student to process control via Programmable Logic Controllers (PLC's). Content includes the popular Allen-Bradley PLC systems and the most common command instructions for the RSLogix 5, RSLogix 500, RSLogix 5000, Micrologix 1000, SLC5 and SLC 500 as well as ControlLogix processors. Troubleshooting and electrical safety are emphasized. *Two hours lecture, three hours lab.*

MT 201 1 Unit
Introduction to the Wind Industry
Course Advisory: SCC minimum English and Math standards. Introduces the prospective wind field technician to electrical generation, alternative energy sources, and the wind industry in particular. Students will learn about the opportunities and responsibilities of the wind field technician. Topics covered in subsequent courses in the program will be introduced. *One hour lecture.*

MT 202 1 Unit
OSHA Required Safety for the Wind Industry
Prerequisite: MT 201 with a grade of C or better. Course Advisory: SCC minimum English and Math standards. Introduces the prospective wind field technician to the OSHA required safety topics for wind field technicians. Along with personal safety and injury prevention students are introduced to the aspects of proper tool and equipment use as well as the requirements for working in a safe environment. *One hour lecture.*

MT 203 1 Unit
CPR, First Aid, and Safety in the Wind Park
Prerequisite: MT 201 with a grade of C or better. Course Advisory: SCC minimum English and Math standards. Introduces the prospective wind field technician to safety and emergency procedures required for wind technicians. Topics include CPR, first aid, tower rescue, and general safety practices in the wind park. *One hour lecture.*

MT 204 1 Unit
Electrical Measuring Equipment for Wind Turbines
Prerequisite: MT 201 with a grade of C or better. Course Advisory: SCC minimum English and Math standards. Introduces the prospective wind field technician to the tools and equipment used to measure electrical systems on a wind turbine. Students will be exposed to analog, digital, mechanical, and passive measuring equipment. The capabilities and limitations of various metering equipment will be presented with the safe use of tools and equipment being the primary focus. *One hour lecture.*

MT 205 1 Unit
Direct Current for Wind Turbines
Prerequisite: MT 201 with a grade of C or better. Course Advisory: SCC Minimum English and Math standards. An introduction to direct current electrical systems as used on wind turbines. The student is also introduced to schematic symbols and diagrams used to describe the wind turbine's electrical systems. *One hour lecture.*

MT 206 1 Unit
Alternating Current for Wind Turbines
Prerequisite: MT 201 with a grade of C or better. Course Advisory: SCC Minimum English and Math standards. An introduction to alternating current electrical systems as used on wind turbines. The student is introduced to transformers, converters, and inverters, single and three-phases electrical systems essential to the operation of wind turbines. *One hour lecture.*

MT 207 1 Unit
High Power Systems for Wind Turbines
Prerequisite: MT 201 with a grade of C or better. Course Advisory: SCC minimum English and Math standards. An introduction to the safe handling of high power systems in the wind industry. Students are introduced to the safety procedures for working with high energy electrical and electrostatic discharge, compressed gasses, and hydraulics. *One hour lecture.*

MT 208 1 Unit
Electronics for Wind Turbines
Prerequisite: MT 201 with a grade of C or better. Course Advisory: SCC minimum English and Math standards. Introduces the prospective wind field technician to electronics and fiber optics. Provides an introduction to analog, digital and semiconductor electronics, fiber optics technology, and soldering. *One hour lecture.*

MT 209 1 Unit
Electromechanical Systems for Wind Turbines
Prerequisite: MT 201 with a grade of C or better. Course Advisory: SCC minimum English and Math standards. Introduces the prospective wind field technician to mechanical and electrical systems that make up the wind turbine. The preventative maintenance practices of moving and stationary parts and electrical systems are introduced. *One hour lecture.*

MT 210 1 Unit
PLC's and Transformers for Wind Turbines
Prerequisite: MT 201 with a grade of C or better. Course Advisory: SCC minimum English and Math standards. Introduces the prospective wind field technician to programmable logic controllers, substations and transformers. *One hour lecture.*

Industrial Education

MT 211 1 Unit

Wind Turbine Maintenance Practices

Prerequisite: MT 201 with a grade of C or better. Course

Advisory: SCC minimum English and Math standards.

Introduces the prospective wind field technician to the maintenance practices particular to wind turbines. Topics also include troubleshooting techniques, documentation, and service reporting. *One hour lecture.*

MT 212 1 Unit

Wind Turbine Airfoils and Composites

Prerequisite: MT 201 with a grade of C or better. Course

Advisory: SCC minimum English and Math standards.

Introduces the prospective wind field technician to airfoils. Students will learn how airfoils are used to capture wind energy and how to maintain rotors and airfoils on wind turbines. *One hour lecture.*

MT 213 1 Unit

Wind Turbine Operations

Prerequisite: MT 201 with a grade of C or better. Course

Advisory: SCC minimum English and Math standards.

An introduction to the operations of wind turbines and the wind park. Students are exposed to Supervisory Control and Data Acquisition (SCADA) systems used to control wind turbines, meteorology, and graphs and charts used to predict wind turbine performance. *One hour lecture.*

Interdisciplinary Studies

(For Learning Resources – See English) (For Learning Skills – See Counseling)

Program Description

This major is designed for students who are not certain of their specific academic major goals and do not have immediate transfer plans. It would enable them to earn the Associate Degree by completing general education and an 18-unit area of academic focus.

- I. All students will complete the Solano College Option A GE Pattern: Minimum 22 semester units.
- II. All students will complete an 18-unit Area of Emphasis from the selections below.
- III. Electives may be necessary to total 60 overall units required for the Associate degree.
- IV. All courses for this major must be completed with a grade of C or better or a P if the course is taken on a pass-no pass basis.

Program Outcomes

Students who complete an Associate Degree will be able to:

1. Discern the relationship between personal perspective and evidence-based evaluation of information.
2. Discover the nature and common themes of the disciplines represented by an academic area of emphasis.
3. Acquire a knowledge base that encourages lifelong learning in order for them to effectively adapt to a complex and changing society.

Areas of Emphasis

1. 18 units required from one Area of Emphasis listed below.
2. Courses selected cannot also be used to fulfill GE areas.
3. Courses numbered 1-49 transfer to UC, CSU and most independent and out-of-state colleges. Courses numbered 50-99 transfer to CSU and some independent and out-of-state colleges and universities. Courses numbered 100-199 are associate degree applicable but usually do not transfer to baccalaureate-granting institutions.

Interdisciplinary Studies

Arts and Humanities

Minimum 18 units required

Minimum six units from the Arts and six units from Humanities

Maximum three units of credit for studio/performance courses

Courses in this area are designed to cultivate intellect, imagination, sensibility and sensitivity. Students will study great works of the human imagination and will examine their own esthetic and creative experience. Awareness and appreciation of humanistic disciplines will be explored and encouraged. Students will be exposed to the study of human culture from a variety of perspectives.

ARTS

ART 001, 002, 003, 010, 011, 012

ART Studio: 004, 006, 007, 008, 014, 016, 017, 019, 020, 021, 023, 026, 029, 031, 032, 034, 035, 037, 038, 039, 040, 041, 042, 043

CINA 010, 011

CINA Performance: 015

MUSC 001, 002, 005, 007, 008, 013

MUSC Studio: 009, 010, 011, 014, 015, 016, 017, 018, 019, 020, 023, 024, 025, 026, 027, 028, 031, 032, 033, 034, 035A, 035B, 038, 039, 041A, 041B, 042A, 042B

PHOT Performance: 030

PHOT 035

THEA Performance: 001, 002

THEA 006, 010, 011, 013, 048A

TV 050

TV Performance: TV 055, 060

HUMANITIES

AMST 001, 002

ENGL 002, 006, 007, 012, 013, 014, 016, 018, 021, 023, 024, 025, 030, 031, 032, 033, 034, 035, 036, 037, 038, 040, 041, 044, 046, 047

FREN 001, 002, 003, 004, 011, 012, 031, 032

GRMN 001, 002, 003, 004, 011, 012, 031, 032, 033, 034

ITAL 031, 032

HIST 002, 003, 004, 005, 010, 017, 018, 028, 029, 030, 031, 037

LATN 001, 002, 003

PHIL 003, 004

SPAN 001, 002, 003, 004, 011, 012, 025, 031, 032, 033, 034

Interdisciplinary Studies

Communication

Minimum 18 units required

Minimum three units from each of three different disciplines

These courses emphasize the content, understanding and production of verbal and written communication. Students will learn to evaluate and assess communication as a process of human symbolic interaction while developing skills in such areas as reasoning, organization, accuracy, reading and effective listening.

BUS 092

COMM 001, 002, 006, 008, 010, 012, 015, 060

COUN 062

ENGL 002, 004, 006, 007, 058, 062, 064

FREN 001, 002, 003, 004, 031, 032

GRMN 001, 002, 003, 004, 031, 032, 033, 034

HS 052

ITAL 031, 032

JOUR 001, 002, 011, 060

LATN 001, 002, 003

PHIL 005

SPAN 001, 002, 003, 004, 025, 031, 032, 033, 034

SOCS 030, 051

TV 050, 060, 061

Interdisciplinary Studies

Science and Quantitative Reasoning

Minimum 18 units required

Minimum six units from Science and six units from Quantitative Reasoning

Chemistry courses may not be used in both areas must choose one area.

This emphasis is intended to involve inquiry into the physical universe and its life form with consideration of facts and principles which form the foundations of living and non-living systems. Students will explore scientific methodologies as investigative tools, the acquisition and use of evidence, and the past and present influences of science on world civilizations. Understanding and analysis of basic mathematical and quantitative reasoning concepts will be explored. This area includes courses in areas such as computer science, math, and science.

SCIENCE

ANTH 001

ASTR 010, 020, 030, 040

BIO 001, 002, 004, 005, 012, 012L, 014, 015, 016, 018, 019

CHEM 001, 002, 003, 004, 010, 011, 051, 160

ENGR 017, 030, 045

GEOG 001, 001L

GEOL 001, 002, 005

HORT 050

KINE 020V

KINE 020W

NUTR 010

PHYS 002, 004, 006, 007, 008, 010

PHSC 012

PSYC 002

QUANTITATIVE REASONING

CIS 001, 015, 020, 022, 023, 035, 050, 055, 057, 060, 073, 078

CHEM 001, 002, 010, 160

GEOG 10 (GEOL 10)

MATH 002, 004, 011, 012, 020, 021, 022, 023, 030, 031, 040, 051, 102, 103, 104, 112, 114

PSYC 004

Social Science

Minimum 18 units required

Minimum three units from each of three different disciplines

This emphasis examines people and their interactions with each other, within their social and political institutions and as members of the larger society. Course work will explore behavior - sometimes the behavior of an individual, other times the behavior of a system, society, or culture. Topics and discussion will stimulate critical thinking about ways people have thought and acted in response to their upbringing, environment and society.

AMST 001, 002

ANTH 002, 007

COMM 012

COUN 055, 058, 062, 083

CJ 001, 002, 011

ECON 001, 002, 010

GEOG 002, 004

HIST 002, 003, 004, 005, 010 017, 018, 028, 029, 030, 031, 037

CDFS 038, 039, 040, 050, 053, 070

HS 051, 052, 053

IR 001

JOUR 011

PLSC 001, 002, 003, 005, 016, 019

PSYC 001, 002, 004, 005, 010, 020, 024, 030, 034, 065

SOCS 022, 023, 025, 027, 030, 051, 053

SOC 001, 002, 023, 030, 040

Interdisciplinary Studies

Wellness and Self Development

Minimum 18 units required

Minimum six units from Wellness and six units from Self Development

Maximum three units of credit for Physical Education activity and Athletics courses

This emphasis is designed to equip students with information and tools for lifelong wellness and self development as integrated beings. Students will be well acquainted with the vast landscape of wellness and self development, taking into account the psychological, biological, developmental, physical factors, and they will be able to make effective decisions about optimizing their own wellness, lifestyle, and performance.

WELLNESS

ATHL 001, 002A, 002B, 003, 004, 010, 015, 016A, 016B, 017, 020

BIO 004, 005, 016

HED 002, 003

NUTR 010, 012

KINE 020A, 020H, 020S, 020V, 020W

KINE Activity: 001A, 001D, 002A, 002B, 002C, 002D, 002E, 003A, 003C, 003D, 003E, 004A, 004B, 004C, 004D, 004E, 004F, 004H, 004J, 004K, 004M, 004N, 004P, 005C, 005G, 005J, 005K, 005M, 005N, 005P, 006A, 006B, 006C, 006E, 006F, 007A, 007C, 007D, 007E, 007F, 008A, 008B, 008C, 008F, 008G, 009A, 009B, 009C, 009E, 009F, 009G, 009H, 009P, 078

SELF DEVELOPMENT

CDFS 038, 039, 040, 053, 070

COUN 007, 050, 055, 058, 060, 062, 063, 083, 098

HS 051, 052, 053

LR 001, 010, 011, 051

PSYC 001, 005, 010, 020, 024, 030, 034, 040, 065

SOCS 051

Interior Design

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 38-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. All courses in the major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

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

1. Demonstrate proficiency at quick sketching and drafting/reading floor plans.
2. Demonstrate proficiency in application of design elements in residential/commercial environments.
3. Demonstrate an understanding of the relationship of textiles and furniture in residential/commercial environments.

REQUIRED COURSES	Units
ART 007 Design-Color	3
ART 060 Exhibition Design	3
BUS 181 Business Mathematics	1
INTD 050 Interior Design	3
INTD 051 Materials and Techniques	3
INTD 052 Drafting & Perspective Drawing for Interiors	3
<i>OR</i>	
DRFT 050 Basic Drafting	3
INTD 053 History of Furniture I	3
INTD 055 Advanced Interior design	3
INTD 061 Textiles for Interior Design	3
INTD 065 Kitchen and Bathroom Design	3
INTD 098A History of Furniture II	3
OCED 090 Occupational Work Experience	3
Select three units from the courses below	3
Total Units	38

Choose three units from the following:

BUS 005 Introduction to Business	3
COMM 010 Interpersonal Communication	3
DRFT 079 Blueprint Reading	3

INTD 050 **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.*

INTD 051 **3 Units**
Materials and Techniques
Prerequisite: INTD 050. Course Advisory: Eligibility for ENGL 001. 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, field trips and innovative uses of existing resources. Field trip may be required. *Two hours lecture, two hours lab.*

INTD 052 **3 Units**
Drafting & Perspective Drawing for Interiors
Course Advisory: 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, three hours lab.*

INTD 053 **3 Units**
History of Furniture I
Course Advisory: SCC minimum English standard. Explore the history of furnishings and interiors from the ancient world to the neoclassical period. The course will cover the evolution of historical styles in ornament and materials including furniture, metalwork, ceramics and glass that form a basis of today's interiors. Stylistic and technical developments, as well as social and historical forces that have affected design will be discussed. *Three hours lecture.*

Interior Design

INTD 055 **3 Units**
Advanced Interior Design
Prerequisite: INTD 050, 051, 052, 053. 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.*

INTD 061 **3 Units**
Textiles for Interior Design
Course Advisory: 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.*

INTD 065 **3 Units**
Kitchen and Bathroom Design
Prerequisite: INTD 050. Course Advisory: SCC minimum English and Math standards. This course covers the design of efficient and aesthetic kitchens and baths including space considerations, equipment, appropriate materials, building codes, and human factors. *Three hours lecture.*

INTD 098A **3 Units**
History of Furniture II
Course Advisory: SCC minimum English standard. This course examines European and American furniture design and architecture of the nineteenth and twentieth centuries in the context of historical developments such as the Industrial Revolution, mass production, the invention of new materials, and the impact of depression, war, and consumer culture. Art Nouveau, the Bauhaus, Purism, De Stijl, Russian Avant-Garde, Art Deco, American modern and Scandinavian design are among the areas covered. *Three hours lecture.*

International Relations

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 28-unit major, general education requirements, and electives. All courses in the major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

This information is not available at the time of printing. Please check online for current information as it is available.

REQUIRED COURSES	Units
ECON 001 Principles of Economics (Macroeconomics) . . .	3
ECON 002 Principles of Economics (Microeconomics) . . .	3
FOREIGN LANGUAGE (Choose from FREN, GRMN, or SPAN numbered 001-034) *	10
GEOG 004 World Geography	3
HIST 005 History of Western Civilization Since 1500	3
IR 001 Global Interdependence	3
Select three units from the electives below	3
Total Units	28

Select three (3) units from the following:

ANTH 002 Cultural Anthropology	3
ART 001 Art History	3
ART 003 World Art	3
BIO 012 Environmental Science	3
BUS 060 Introduction to International Business	3
ENGL 016 Masterpieces of Western World Literature . . .	3
FOREIGN LANGUAGE—Any course numbered 001-034 not used above	3 - 5
HIST 003 Modern World History	3
GEOG 002 Cultural Geography	3
PLSC 002 Introduction to Comparative Government. . . .	3

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

IR 001 3 Units

Global Interdependence

Course Advisory: Eligibility for ENGL 001, PLSC 001, ENGL 062. 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

Program Description

Journalism teaches critical thinking and communication skills that enable students to translate events and issues of importance accurately and responsibly. Students 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. All courses in the major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete an Associate Degree will be able to:

1. Demonstrate the fundamental research and critical thinking skills necessary to analyze and interpret current issues in a professional media environment.
2. Utilize written, oral and visual communication skills to analyze, interpret and produce accurate news and opinions across a variety of platforms.
3. Recognize fundamental legal and ethical aspects of journalism and apply them to real-life circumstances.
4. Demonstrate a working knowledge of the fundamental technological applications of media production.

REQUIRED COURSES	Units
JOUR 001 Newswriting and Reporting	3
JOUR 002 Introduction to Feature and Magazine Writing	3
JOUR 011 Introduction to Mass Communication	3
JOUR 060 Publications Laboratory	3
Program electives	12
Total Units	24

NOTE: Courses with an * have prerequisites or advisories other than eligibility for ENGL 001.

Program electives are intended to improve students' critical thinking and communication skills and to give them tools to succeed in the workplace. Students must take at least three units in each of the following areas:

Area I

COMM 006 Argumentation and Debate	3
ENGL 002 Critical Thinking and Writing About Literature	3
ENGL 004 Critical Thinking and Composition: Language in Context	3
MATH 011 Elementary Statistics	4
PHIL 005 Critical Thinking: The Philosophic Grounds of Literacy	3

Area II

ART 006 Design Principles in 2-Dimensions	3.5
ART 007 Design-Color	3.5
ART 052 Lettering and Layout	2 - 3.5
ART 056 Graphic Design I	3.5
ART 057 Graphic Design II	3.5
COMM 001 Introduction to Public Speaking	3
ENGL 006 Creative Writing 1	3
ENGL 058 Creative Writing: The Literary Magazine	3
JOUR 050 Grammar and Style for Media Writers	1
PHOT 030 Beginning Photography	3
PHOT 056 Photojournalism & Documentary Photography	3

PHOT 070 Beginning Digital Photography	3
THEA 050 Performance for the Camera	3
TV 055 Beginning Television Production	3
TV 056 Advanced Television Production	3
TV 060 Television and Film Writing	3

Area III

OCED 090 Occupational Work Experience	1 - 8
Any modern foreign language	

Recommended Electives

Any course from a second emphasis area	
Any foreign language	
JOUR 060 Publications Laboratory	2 - 3
MATH 011 * Elementary Statistics	4
OCED 090 Occupational Work Experience	1 - 8
OCED 091 General Work Experience	1 - 6

Journalism

JOUR 001 3 Units
Newswriting and Reporting
Prerequisite: Eligibility for ENGL 001. This course teaches the theory and practice of writing news stories for the media. The student learns effective writing and interviewing strategies, common story structures, grammar and style rules, libel and privacy laws. *Three hours lecture.*

JOUR 002 3 Units
Introduction to Feature and Magazine Writing
Prerequisite: Eligibility for ENGL 001. 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.*

JOUR 011 3 Units
Introduction to Mass Communication
Prerequisite: Eligibility for ENGL 001. 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. *Three hours lecture.*

JOUR 050 1 Unit
Grammar and Style for Media Writers
Prerequisite: Eligibility for ENGL 001; Course Advisory: SCC minimum Math standard. Intensive review of grammar, word use, spelling, and principles of clear, concise writing for the media. This course is credit/no credit only. *Two hours lecture.*

JOUR 059 1 Unit
News Media Laboratory
Course Advisory: Eligibility for ENGL 001. This one-unit laboratory class is intended for non-journalism majors to learn the fundamentals of media reporting while working as a staff member of the student news publications, The Tempest newspaper and the SolanoTempest.net website. Students may work in the areas of writing, photography, illustration or multimedia, and will be introduced to: journalistic laws and ethics, opinion and news writing, covering the campus community, working on deadline, visual communication, and working on a team to produce a journalistic product for distribution to a campus-wide audience. Students are limited to four classes within the Publications Laboratory family. Journalism majors should enroll in Journalism 060. *Four hours lab.*

JOUR 060 3 Units
Publications Laboratory
Prerequisite: Eligibility for ENGL 001. This course focuses on creating content and producing the student news publications, The Tempest newspaper and the SolanoTempest.net website, as a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Journalistic ethics and legal aspects will be covered. Students will work primarily in one of the following areas: researching, writing and editing articles, taking photographs, creating illustrations, creating multimedia stories, or designing pages and graphics. Students are limited to four classes within the Publications Laboratory family. *Seven hours lab, two hours activity.*

JOUR 061 1 Unit
Publications Laboratory II
Prerequisite: JOUR 060 with a minimum grade of C or equivalent. Course advisory: Eligibility for English 001. Intermediate journalism students will broaden their newsgathering skills while creating content for and producing the student news publications, The Tempest newspaper and the SolanoTempest.net website. This is a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Journalistic ethics and legal aspects will be covered. Students will work primarily in two of the following areas: researching, writing and editing articles, taking photographs, creating illustrations, creating multimedia stories, or designing pages and graphics. Students are limited to four classes within the Publications Laboratory family. *Seven hours lab, two hours activity.*

Journalism

JOUR 062 2.0 to 3.0 Units

Publications Laboratory III

Course Advisory: Eligibility for English 001. Intermediate journalism students will provide editorial leadership and in-depth coverage for the student news publications, The Tempest newspaper and the SolanoTempest.net website, as a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Journalistic ethics and legal aspects will be covered. Students will work primarily in three of the following areas: editorial leadership, indepth coverage, researching, writing and editing articles, taking photographs, creating illustrations, creating multimedia stories, or designing pages and graphics. Students are limited to four classes within the Publications Laboratory family. *Five to seven hours lab, one to two hours activity.*

JOUR 064 1 Unit

Publications Portfolio

Course Advisory: Eligibility for ENGL 001. Students with prior instruction in reporting, editing, photography, illustration, design or digital media will integrate their journalism skills to provide editorial leadership and/or create published works for the student news publications, The Tempest newspaper and the SolanoTempest.net website, while learning the basic principles of preparing a professional portfolio. An intermediate class for students preparing for employment in journalism and related fields. Students are limited to four classes within the publications family. *Three hours lab.*

JOUR 099 1.00 to 3.00 Units

Journalism Honors: Field Study

Prerequisite: 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; and permission of the Division Dean based on instructor availability. Course Advisory: Eligibility for ENGL 1 and SCC minimum Math standard. An independent study class designed for students who have successfully completed at least two journalism classes and wish to do field work. The student works by arrangement with the instructor. *Three to nine hours weekly by arrangement.*

Kinesiology

(Formerly Physical Education)

Physical Education

Program Description

This program offers students activity curriculum, technical skills, and professional development courses to develop fitness or to prepare students for transfer in various fields, including physical education.

Associate in Science Degree

The Associate in Science Degree can be obtained by completing a total of 60 units, including the 30-unit major, general education requirements and electives. All courses for this major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete an Associate Degree will be able to:

1. Understand the psychological, physiological, and social benefits of physical activity.
2. Demonstrate an understanding of the 5 basic components of fitness (including the F.I.T.T.) and the R.I.C.E. principle.
3. Demonstrate an understanding of the current trends and practices in human performance and the importance of diet and exercise for lifetime fitness.

REQUIRED COURSES	Units
BIO 004 Human Anatomy	5
BIO 005 Introductory Physiology	5
HED 002 Health Education	3
OR	
HED 003 Women's Health Issues	3
PE 020A Foundations of Physical Education	3
PE 020H Care and Prevention of Athletic Injuries	3
PE 020S Advanced First Aid and Emergency Care	2
PE 020V Introduction to Sports Science	3
PE Activity Courses *	6
Total Units	30

*At least one activity course selected from four of the seven listed categories: Aquatics (002A, 002B, 002C, 002D, 002E), Combatives (003A, 003C, 003D, 003E), Dance (004A, 004B, 004C, 004D, 004E, 004H, 004J, 004K, 004N), Fitness Courses (005C, 005G, 005J, 005K, 005M, 005N, 005P, 006A, 006E, 006F, 006C, 078), Individual sports (007A, 007C, 007D, 007E, 007F), Racquet Sports (008A, 008B, 008C, 008E, 008F), and Team Sports (009A, 009B, 009C, 009E, 009F, 009G, 009H, 009P, or Intercollegiate Athletics course).

Recommended Electives

- ANTH 001 Physical Anthropology
- NUTR 010 Nutrition
- MATH 011 Elementary Statistics
- PE 004F Hip-Hop Dance
- PE 004M Intermediate Ballet
- PE 005D Circuit Training
- PE 006F Intermediate Yoga
- PE 007B Beginning Road Bicycling
- PE 020W Concepts of Physical Fitness
- PE 020D Baseball Theory and Practice I
AND
- PE 020E Baseball Theory and Practice II
- PE 020F Football Theory and Practice I
AND
- PE 020G Football Theory and Practice II
- PE 020P Softball Theory and Practice I
AND
- PE 020J Softball Theory and Practice II

- PE 020M Volleyball Theory and Practice I
AND
- PE 020N Volleyball Theory and Practice II
- PE 020Q Soccer Theory and Practice I
AND
- PE 020R Soccer Theory and Practice II
- PE 020X Basketball Theory and Analyses I
AND
- PE 020Y Basketball Theory and Analyses II
- PE 048G Performance Dance Ensemble
- PE 055 Sports Medicine- Athletic Training
Internship/Practicum
- PE 057 Introduction to Sports Psychology
- PE 071 Back Care and Injury Management
- Any activity course listed above not used to satisfy requirements of the major.

- SOCS 022 Ethnic, Racial and Minority Group Relations in
Harmony and Conflict. 3

For PE courses, see corresponding KINE courses. Please contact the Dean of Human Performance and Development for clarification.

Kinesiology

Sports Medicine/Fitness Science – (Transfer)

Program Description

Designed to allow students to transfer into baccalaureate programs in Physical Education or related areas with a Sports Medicine emphasis. The broad field of Sports Medicine/Fitness Science includes post-baccalaureate employment opportunities in teaching, athletic training, physical therapy, sports rehabilitation, biomechanics, exercise physiology, motor learning, sports orthopedics, sports podiatry, sports psychology, cardiac rehabilitation, EKG technician, and fitness technician.

Associate in Science Degree

The Associate in Science Degree can be obtained upon completion of a total 60 units, including the 33-34-unit major, the general education requirements, and electives. All courses for this major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete an Associate Degree will be able to:

1. Understand the psychological, physiological, and social benefits of physical activity.
2. Demonstrate an understanding of the 5 basic components of fitness (including the F.I.T.T.) and the R.I.C.E. principle.
3. Demonstrate an understanding of the current trends and practices in human performance and the importance of diet and exercise for lifetime fitness.

REQUIRED COURSES	Units
BIO 005 Introductory Physiology	5
BIO 004 Human Anatomy	5
CHEM 010 Intermediate Chemistry	4
PE 020A Foundations of Physical Education	3
PE 020H Care and Prevention of Athletic Injuries	3
PE 020S Advanced First Aid and Emergency Care	2
PE 020V Introduction to Sports Science	3
PE 020W Concepts of Physical Fitness	3
PE Activity courses *	2-3
NUTR 010 ** Nutrition	3
Total Units	33 – 34

*At least one activity course selected from four of the seven listed categories: Aquatics (002A, 002B, 002C, 002D, 002E), Combatives (003A, 003C, 003D, 003E), Dance (004A, 004B, 004C, 004D, 004F, 004H, 004J, 004K, 004N), Fitness Courses (005C, 005G, 005J, 005K, 005M, 005N, 005P, 006A, 006E, 006F, 006C, 078), Individual Sports (007A, 007C, 007D, 007E, 007F), Racquet Sports (008A, 008B, 008C, 008E, 008F), and Team Sports (009A, 009B, 009C, 009E, 009F, 009G, 009H, 009P, or Intercollegiate Athletics course).

**For those transferring to UC in preparation for a physical therapy major, it is recommended that CHEM 011-Basic Organic Chemistry & Biochemistry be taken in place of NUTR 010.

Recommended Electives

CIS 001 Introduction to Computer Science
HED 002 Health Education
MATH 011 Elementary Statistics
PE 055 Sports Medicine—Athletic Training Internship/Practicum
PE 057 Introduction to Sports Psychology
PSYC 020 Personal and Social Behavior

For PE courses, see corresponding KINE courses. Please contact the Dean of Human Performance and Development for clarification.

Kinesiology

Fitness Professional Job-Direct Certificate

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

REQUIRED COURSES	Units
PE 005J Beginning Body Conditioning	1
OR	
PE 005K Intermediate Body Conditioning	1
PE 020S Advanced First Aid and Emergency Care	2
PE 020W Concepts of Physical Fitness	3
PE 020V Introduction to Sports Science	3
NUTR 010 Nutrition	3
5 additional units from the following list: *	5

*At least one activity course selected from four of the seven listed categories: Aquatics (002A, 002B, 002C, 002D, 002E), Combatives (003A, 003C, 003D, 003E), Dance (004A, 004B, 004C, 004D, 004E, 004H, 004J, 004K, 004N), Fitness Courses (005C, 005G, 005J, 005K, 005M, 005N, 005P, 006A, 006E, 006F, 006C, 0078), Individual Sports (007A, 007C, 007D, 007E, 007F), Racquet Sports (008A, 008B, 008C, 008E, 008F), and Team Sports (009A, 009B, 009C, 009E, 009F, 009G, 009H, 009P).

Total Units 17

For PE courses, see corresponding KINE courses. Please contact the Dean of Human Performance and Development for clarification.

HED 002 **3 Units**
Health Education
Course Advisory: SCC minimum English and Math standards. A survey course with a multifaceted view of health with physical, mental, and social dimensions. The course extends beyond the structure and function of one's body to include feelings, values, and reasoning. Examinations and a project are required. Satisfies one-half of the Health, Physical Education graduation requirement. *Three hours lecture.*

HED 003 **3 Units**
Womens Health Issues
Course Advisory: SCC minimum English and Math standards. A study of health issues that are unique to women with a focus on women's health maintenance and care, and the development of skills and acquisitions of knowledge necessary to make informed choices in health matters of concern to women. Open to all students. Satisfies one-half of the Health, Physical Education graduation requirement. *Three hours lecture.*

Kinesiology/Athletics (Formerly Physical Education)
Courses number 001A through 001D are modified for students with specific physical disabilities. The instructor, with recommendations from each student's physician, develops an individualized program for each student. A permission card confirming a disability must be obtained from Disability Services prior to registration.

KINE 001A **1.00 or 1.50 Units**
Adapted Aquatics

Prerequisite: Permission of Disabilities Services Counselor confirming disability. A specialized course in water orientation, exercise, and swimming designed to meet the individual needs of those unable to participate fully in a regular swimming class. Pre-tests and post-test serve to evaluate student achievement. Formerly PE 001A. *One-half hour lecture, one and one-half hours or two and one-half hours activity.*

KINE 001D **1.00 or 1.50 Units**
Adapted Weight Training

Prerequisite: Permission of Disabilities Services Counselor confirming disability. Specialized course in weight training that includes an individualized program that focuses on the specific disability of each student. Pre-tests and post-tests (written and practical) serve to evaluate student achievement. Formerly PE 001D. *One-half hour lecture, one and one-half hour or two and one-half hours activity.*

Kinesiology

KINESIOLOGY

(Formerly Physical Education)

Sequence courses (Beginning, Intermediate) may not be taken concurrently; and sequence courses may not be taken out of sequence.

KINE 002A 1.00 or 1.50 Units

Beginning Swimming

Course Advisory: SCC minimum English and Math standards. Covers the fundamental techniques of swimming, terminology, water adjustment, fluid mechanics, and water safety. Swimming strokes include freestyle and backstroke. Skills and written exams are used to evaluate student achievement. Formerly PE 002A. *One-half hour lecture, one and one-half hours or two and one-half hours activity.*

KINE 002B 1.00 or 1.50 Units

Intermediate Swimming

Prerequisite: KINE 002A. Course Advisory: SCC minimum English and Math standards. Covers the intermediate techniques of swimming, terminology, and fluid mechanics. Swimming strokes include freestyle, backstroke, breaststroke, and butterfly. Racing starts, flip turns, and touch turns are taught on a beginning level. Interval training concepts are introduced. Skills and written exams are used to evaluate student achievement. Formerly PE 002B. *One-half hour lecture, one and one-half hours or two and one-half hours activity.*

KINE 002D 1.50 or 2.00 Units

Swim for Fitness

Course Advisory: SCC minimum English and Math standards. Designed to provide life-long fitness through cardiovascular endurance training and skill development in basic aquatics skills. The major components which make up a swimming workout and the concepts of interval training and sprint and distance training are included. Skills exams and written exams serve to evaluate student achievement. Formerly PE 002D. *One hour lecture, one or two hours activity.*

KINE 002E 1.00 or 1.50 Units

Aqua Aerobics

Course Advisory: SCC minimum English and Math standards. A comprehensive fitness program with the focus on aerobic conditioning via aquatic exercise designed to improve muscular strength, endurance and cardiovascular fitness. Exercises conducted in the water will utilize the resistance of water and equipment to develop strength and conditioning. Formerly PE 002E. *One-half hour lecture, one and one-half hour or two and one-half hours activity.*

KINE 003A 1.00 or 1.50 Units

Beginning Self Defense

Course Advisory: SCC minimum English and Math standards. Designed to equip the student with basic skills and knowledge for protection against physical assault. Includes basic fighting techniques, falls and recoveries, and disengagements with counter-attacks. Also included are developing a self-defense consciousness and knowledge about self-defense and the law. Skills exam is used to evaluate student achievement. Formerly PE 003A. *One-half hour lecture, one and one-half hours or two and one-half hours activity.*

KINE 003C 1.00 or 1.50 Units

Foil Fencing

Course Advisory: SCC minimum English and Math standards. Includes the fundamental skills, strategies, and rules of (French) foil fencing. The early history, evolution of hand weaponry, the dueling sword, the French and Italian techniques, French terminology, and etiquette are included. Written exams and skills exams serve to evaluate student achievement. Required Equipment: Glove; cup protection (men). Formerly PE 003C. *One-half hour lecture, one and one-half hour or two and one-half hours activity.*

KINE 003D 1.00 or 1.50 Units

Beginning Judo

Course Advisory: SCC minimum English and Math standards. A basic judo course including techniques such as falls, holds, chokes, grips, grip breaks, balance breaks, and application of reverse locks. Strategies for the judo contest are included such as defenses, counters, break-up throws, take-downs, and general mat work. A historical overview of the martial arts is offered with an emphasis on the evolution of modern-day judo. Written and skills exams are used to measure student achievement. Required field trip. Formerly PE 003D. *One-half hour lecture, one and one-half or two and one-half hours activity.*

KINE 003E 1.00 or 1.50 Units

Intermediate Judo

Prerequisite: KINE003D. Course Advisory: SCC minimum English and Math standards. An intermediate judo course that covers advanced throwing and grappling techniques. Combinations, transitions, and strategies will also be covered. Competition at the local level tournaments will be an option for interested students. Formerly PE 003E. *One-half hour lecture, one and one-half hour or two and one-half hours activity.*

Kinesiology

KINE 004A 1.50 or 2.00 Units
Beginning Contemporary Modern Dance
Course Advisory: SCC minimum English and Math standards. An introduction to basic contemporary modern dance techniques. This class will focus on proper contemporary modern dance alignment, terminology, center work, movement across the floor, composition and self expression through movement. Students will study posture and alignment for dance, alignment reference points and basic postural muscles. Students will develop physical strength, flexibility, coordination, and an increase in movement memory. Students will explore a variety of common accompaniments for contemporary modern dance. Basic music notation will be presented in preparation for future dance composition. The history of Modern Dance is included. Interval skills exams and written exams serve to measure student achievement. Formerly PE 004A. *One hour lecture, one or two hours activity.*

KINE 004B 1.50 or 2.00 Units
Beginning Tap Dance
Course Advisory: SCC minimum English and Math standards. An introductory course that includes body placement, body balance, rhythm, coordination, musicality, and a repertoire of the traditional tap (foot) techniques. This course presents lecture information on music, music analysis, understanding basic components of fitness as related to dance, nutrition and basic first aid and injury prevention. This history of tap dance as an indigenous American dance form is included. Skills exams and written exams are used to evaluate student achievement. Formerly PE 004B. *One hour lecture, one or two hours activity.*

KINE 004C 1.50 or 2.00 Units
Intermediate Tap Dance
Prerequisite: KINE 004B. Course Advisory: SCC minimum English and Math standards. This course explores intermediate tap dance step, patterns, combinations, and choreography. Music theory concepts as they apply to the syncopated rhythms of tap dance are included. The history of tap dance as an indigenous American dance form is discussed. Interval performance exams are used to evaluate student achievement. Written exams are used to evaluate the student's knowledge of technique, music theory, rhythmic patterns, and the historical and cultural significance of tap dance in America. Students will learn to appreciate this dance form via attendance at a dance concert or musical theater performance. Formerly PE 004C. *One hour lecture, one hour or two hours activity.*

KINE 004D 1.50 or 2.00 Units
Jazz Dance Technique
Prerequisite: PE 004H Course Advisory: SCC minimum English and Math standards. Designed for students who have vocational or avocational interests in dance. Course emphasis is on the skill development and analysis of intermediate-level and advanced-level techniques and patterns. Selected technique syllabi of various dance artists will be presented and studied. Jazz idioms, styles, and the historical and cultural development are included. Participation in the annual dance concert is encouraged. Interval skills exams and written exams serve to evaluate student achievement. Recommended for Theatre Arts majors. *One hour lecture, one to two hours activity.* Formerly PE 004D.

KINE 004E 3 Units
Dance Production
Course Advisory: SCC minimum English and Math standards. Designed for dance students interested in public performance. Experiences in student choreography are included in addition to participation in the annual college dance concert. Interval skills exams and written exams serve to evaluate student achievement. Recommended for Theatre Arts Majors. Formerly PE 004E. *One hour lecture, seven hours lab, one hour weekly by arrangement.*

KINE 004F 1.50 or 2.00 Units
Beginning Hip-Hop Dance
Course Advisory: SCC minimum English and Math standards. Introduces students to the fundamentals of beginning hip-hop dance style. Students will learn general patterns as well as the basics of creating their own style and routines. Information describing the history and cultural development of hip-hop as a dance form will be presented. Formerly PE 004F. *One hour lecture, one to two hours activity.*

KINE 004G 2 Units
Dance Choreography
SCC minimum English and Math standards. A performance dance ensemble class for the experienced dance student. It is advised that the student have some training in hip-hop, ballet, jazz, ballroom, ethnic or other styles of dance experience. There is an opportunity for student choreography. This class gives an opportunity for public performance. Recommended for Dance/Theatre or related arts majors. *One hour lecture, three hours activity.*

Kinesiology

KINE 004H 1.50 or 2.00 Units
Beginning Jazz Dance
Course Advisory: Minimum standards: SCC minimum English standard. Covers basic jazz techniques, styles, terminology, and history. This course presents lecture information on posture for the dancer, music analysis, understanding basic components of fitness as related to dance, nutrition and injury prevention, and choreography dance notation. The course focuses on sequential development of basic jazz patterns in preparation for future dance composition. Interval skills exams and written exams serve to evaluate student achievement. Formerly PE 004H. *One hour of lecture, one or two hours of activity.*

KINE 004J 1.50 or 2.00 Units
Beginning Ballroom Dance
Course Advisory: SCC minimum English and Math standards. In this course students will gain a solid foundation and knowledge of the basic skills and techniques of ballroom dance. This class will also be an introduction, short history, demonstration, and instruction of popular ballroom dances. Following good practice of exercise in dance execution, the students benefit from the activity and the cultural experiences. Dances selected from the following: Cha-Cha, Rumba, Nightclub Two-Step, East & West Coast Swing, Lindy-Hop, Salsa, Tango, Waltz, Samba, and Fox Trot. Attention on proper techniques in both lead and follow dance positions including, proper form, footwork, alignment, and correct posture. Music is varied to broaden the experience with different tempo and styles. No prior experience in dance required; partner not required. Formerly PE 004J. *One hour lecture, one or two hours activity.*

KINE 004K 1.50 or 2.00 Units
Beginning Ballet
Course Advisory: SCC minimum English and Math standards. An introduction to beginning classical ballet dance forms, positions, body alignment, patterns, and barre work. The lesson is conducted with the associated French terminology for all movements and steps. The history of ballet is presented and significant choreographers and ballets are discussed. Students will study proper dance posture, the muscular system as it relates to ballet movement and proper nutritional guidelines for the dancer. Basic first aid and injury prevention and treatment for self-care injuries will also be included in lectures. Performance exams and written exams are given to evaluate student achievement. Students will be required to submit a term project on the history of Ballet. Formerly KINE 004K. *One hour lecture, one or two hours activity.*

KINE 004M 1.50 or 2.00 Units
Intermediate Ballet
Course Advisory: SCC minimum English and Math standards. The student will be exposed to second derivative skills and will expand technical development for artistic growth. Emphasis is on style and the aspects of interpretation of movement needed for development of the classical dancer. Skills exams and written exams are given to evaluate student achievement leading to studio recital or performance. Text required. Formerly PE 004M. *One half hour lecture, two and one half or three hours activity.*

KINE 004N 1.50 or 2.00 Units
Beginning Swing Dance
Course Advisory: SCC minimum English and Math standards. An introductory experience of the popular American social dances known as 'Swing' and an exploration of the cultural scene that created them. The course surveys historical dance varieties and East Coast/West Coast regional differences as well as the latest trends and styles. Instruction, history, and open dancing will be included in class. Attention is paid to proper technique in both lead and follow dance positions; footwork alignment and posture. Formerly PE 004N. *One hour lecture, one or two hours activity.*

KINE 004P 1.50 or 2.00 Units
Intermediate Jazz Dance
Prerequisite: KINE 004H with a minimum grade of C.
Course Advisory: SCC minimum English and Math standards. Covers intermediate-level jazz techniques, styles, and terminology. Students will gain increased knowledge of dance posture and of the muscular functions of the major muscles that effect basic dance movements. Intermediate musical analysis will include 6 count phrasing. The course focuses on sequential development of intermediate jazz dance patterns in preparation for dance composition. Interval skills exams and written exams serve to evaluate student achievement. Formerly PE 004P. *One hour lecture, one or two hours activity.*

KINE 004S 2 Units
Intermediate Swing Dance
Prerequisite: KINE 004N with a minimum grade of C.
Course Advisory: SCC minimum English and Math standards. This is an Intermediate course in swing dance. Students will gain a higher level of understanding and improved techniques, terminology, steps, lifts, patterns, rhythms, music and history of the various types of swing dances. A partner is not required. *One hour lecture, one or two hours activity.*

Kinesiology

KINE 004T 2 Units
Intermediate Ballroom Dance
Prerequisite: KINE 004J with a minimum grade of C.
Course Advisory: SCC minimum English and Math standards. This course will cover intermediate techniques and styles of ballroom dance. Students will gain improved rhythm, skills, and an increased knowledge of patterns and variations of popular ballroom dances: American Style Waltz, Tango, Cha-Cha, Nightclub Two-Step, Rumba, East Coast Swing, West Coast Swing, Salsa and Foxtrot. Increased attention on proper techniques in both lead and follow dance positions including proper form, footwork, alignment, and correct posture. Music is varied to broaden the experience with different tempo and styles. Beginning ballroom dance class is required; partner not required. *One hour lecture, one or two hours activity.*

KINE 005C 1.50 or 2.00 Units
Fitness for Life
Course Advisory: SCC minimum English and Math standards. Offers an individualized approach to fitness with a focus on the individual's personal responsibility for his/her fitness and health throughout life. The study of the physiological changes one undergoes as a result of the physical conditioning forms the basis for the development of a lifetime fitness plan. Fitness exams and written exams serve to evaluate student achievement. Formerly PE 005C. *One hour lecture, one and one-half or two hours activity.*

KINE 005D 1.00 or 1.50 Units
Circuit Training
Course Advisory: SCC minimum English and Math standards. This is an individualized program for achieving muscle tone while increasing strength and endurance. This course employs resistive exercises, which will improve lifetime fitness and overall body fitness. Formerly PE 005D. *One-half hour lecture, one and one-half or two and one-half activity.*

KINE 005E 1.00 or 1.50 Units
Cardio Conditioning
Course Advisory: SCC minimum English and Math standards. Designed for students who desire a cardiovascular workout using a combination of equipment such as stationary bikes, ellipticals, steppers, treadmills, stairmills and rowing machines. Formerly PE 005E. *One-half hour lecture, one and one-half or two and one-half hours activity.*

KINE 005G 1.00 or 1.50 Units
Off-Season Athletic Conditioning
Course Advisory: SCC minimum English and Math standards. This is a comprehensive course designed for the intercollegiate student/athlete. The course focus is on continued development and enhancement of physical performance and maintenance level required of each student/athlete's respective sport. The course will focus on learning and execution of fitness/conditioning parameters as well as pre and post-tests on sport specific abilities applicable to each student/athlete's sport or activity. Formerly PE 005G. Repeatable 3 times. *One-half hour lecture, one and one-half or two and one-half hours activity.*

KINE 005J 1.00 or 1.50 Units
Beginning Body Conditioning
Course Advisory: SCC minimum English and Math standards. A general conditioning course that includes weight training, aerobic conditioning, and stretching exercises. A pre-test serves to define individual fitness goals, and two post-tests (written and practical) serve to evaluate student achievement. Formerly PE 005J. *One-half hour lecture, one and one-half or two and one-half hours activity.*

KINE 005K 1.00 or 1.50 Units
Intermediate Body Conditioning
Prerequisite: KINE 005J. Course Advisory: SCC minimum English and Math standards. A general conditioning course that includes weight training, aerobic conditioning, and stretching exercises. A pre-test serves to define individual fitness goals, and two post-tests (written and practical) serve to evaluate student achievement. Post-test standards are higher than they are in the beginning-level course. Nutrition, as it relates to fitness and weight control, is included. Formerly PE 005K. *One-half hour lecture, one and one-half or two and one-half hours activity.*

KINE 005M 1.00 or 1.50 Units
Beginning Weight Training
Course Advisory: SCC minimum English and Math standards. A comprehensive weight training course for men and women with a focus on strength development and muscle hypertrophy. Resistive exercises via free weights and fixed weights are used for the development of every major muscle group. Pre-tests and post-tests (written and practical) serve to evaluate student achievement. Formerly PE 005M. *One-half hour lecture, one and one-half or two and one-half hours activity.*

Kinesiology

KINE 005N 1.00 or 1.50 Units
Intermediate Weight Training
Prerequisite: KINE 005M with a minimum grade of C.
Course Advisory: SCC minimum English and Math standards. Intermediate weight training courses for men and women that will help individuals define and concentrate on personalized goals. Special emphasis will be directed at determining students' needs and helping them write and follow an exercise program designed to meet those needs. Pre-tests, post-tests and fitness measurements will be used to assess progress. Formerly PE 005N. *One-half hour lecture, and one and one-half or two and one-half hours activity.*

KINE 005P 1.00 or 1.50 Units
Step Aerobics
Course Advisory: SCC minimum English and Math standards. An aerobic exercise program utilizing four inch, six inch, and eight inch step platforms. Class format includes warm-up, pre-aerobics, peak aerobics, aerobic cool down as determined by musical beats per minute (BPM). Body toning, strength building and flexibility components of the workout will be included to provide the student with a well-rounded fitness program. Fitness exams, written, exams, written assignments, and/or participation serve to measure student achievement. Formerly PE 005P. *One-half hour lecture, one and one-half or Two and one-half hours activity.*

KINE 005Q 1.00 or 1.50 Units
Elite Fitness Training
Course Advisory: SCC minimum English and Math standards. Kokoro is "unbeatable spirit" in Japanese. This is the ultimate goal of Elite Fitness Training for the serious person who wants to find the warrior within; it includes training the mind, body, emotions, senses and spirit. Formerly PE 005Q. *One-half hour lecture, one and one-half or two and one-half hours lab.*

KINE 005R 1.00 or 1.50 Units
Core Conditioning Training
Course Advisory: SCC minimum English and Math standards. A fitness course focusing on core conditioning in which students in physically demanding sports, fitness activities and professions learn to balance their conditioning over the entire body. This course will help improve performance by developing utilizing the principles of power, agility, core strength, and speed. Formerly PE 005R. *One-half hour lecture, one and one-half or two and one-half hours lab.*

KINE 006A 1.00 or 1.50 Units
Cardio Kickboxing
Course Advisory: SCC minimum English and Math standards. An aerobic exercise program utilizing non-contact kickboxing techniques. Class format includes warm-up, pre-aerobics, peak aerobics and aerobic cool down as determined by musical beats per minutes (BPM). Hand weights, step boxes, and other equipment may be used for additional lower and upper body strength and conditioning. A flexibility cool-down will conclude the exercise session. Formerly PE 006A. *One-half hour lecture, one and one-half or Two and one-half hours activity.*

KINE 006B 1.00 or 1.50 Units
Introduction to Qigong
Course Advisory: SCC minimum English and Math standards. A course designed to acquaint the student with the basic 64-movement patterns of Dayan Qigong (pronounced cheegong) - one of the most popular forms of Qigong taught in China today. Students will learn the names and locations of accupressure points and how to do self-massage to activate the meridian system of the body. Students will learn both 'stillness in action' through the physical movements and 'action in stillness' through sitting, standing and walking meditations. This class is available for students with all levels of abilities and can be adapted for students with mobility issues. Formerly PE 006B. *One-half hour lecture, one and one-half or two and one-half hours activity.*

KINE 006C 1.00 or 1.50 Units
Pilates for Fitness
Course Advisory: SCC minimum English and Math standards. A fitness course that utilizes Pilates techniques that can increase strength, flexibility and endurance. Pilates exercises can improve posture, alignment coordination and balance. This course is targeted to improve core strength and overall fitness. Formerly PE 006C. *One-half hour lecture, one and one-half or two and one-half hours activity.*

KINE 006E 1.50 or 2.00 Units
Fundamentals of Yoga
Course Advisory: SCC minimum English and Math standards. Development of basic yoga postures, breathing practices, stretching and relaxation techniques as method to improve flexibility, decrease stress and improve physical and mental well-being. Formerly PE 006E. *One hour lecture, one or two hours activity.*

Kinesiology

KINE 006F 1.50 or 2.00 Units
Intermediate Yoga
Prerequisite: KINE 006E with a minimum grade of C.
Course Advisory: SCC minimum English and Math standards. This course will expand upon the techniques and philosophies of beginning yoga. Students will be exposed to intermediate postures, various specific yoga systems and additional philosophies of yoga from the masters. Formerly PE 006F. *One hour lecture, one or two hours activity.*

KINE 006G 1.00 or 1.50 Units
Tai Chi
Course Advisory: SCC minimum English and Math standards. An introduction to the discipline of Physical Education through Tai Chi exercises, including well-known short forms consisting of 24 postures. Basic exercise physiology, nutrition, fundamentals of strength development, flexibility and meditation concepts as related to Tai Chi and health and wellness are also covered. Formerly PE 006G. *One-half hour lecture, one and one-half to two and one-half hours activity.*

KINE 007A 1.00 or 1.50 Units
Beginning Bowling
Course Advisory: SCC minimum English and Math standards. Covers the fundamental techniques of bowling, terminology, rules, scoring, etiquette, and history. Practice and class competitions are provided to enhance skill development and strategy. Written exams and skills exams serve to evaluate student achievement. Formerly PE 007A. *One-half hour lecture, one and one-half to two and one-half hours activity.*

KINE 007B 1.00 or 1.50 Units
Beginning Road Bicycling
Course Advisory: SCC minimum English and Math standards. An introduction to basic road bicycling terminology, equipment, and riding techniques. History of bicycling is included. Interval skills examinations and written examinations serve to measure student achievement. Formerly PE 007B. *One-half hour lecture, one and one-half or three hours activity.*

KINE 007C 1.00 or 1.50 Units
Beginning Mountain Biking
Course Advisory: SCC minimum English and Math standards. Introduction to basic mountain biking terminology, equipment, and riding techniques. History of bicycling is included. Interval skills examinations and written examinations serve to measure student achievement. Formerly PE 007C. *One hour lecture, one or two hours activity.*

KINE 007F 1.00 or 1.50 Units
Beginning Archery
Course Advisory: SCC minimum English and Math standards. Covers the fundamental techniques of archery, terminology, accessories, and history of the sport. Practice and class competitions are provided to enhance skill development. Written and skills exams serve to evaluate student achievement. Formerly PE 007F. *One-half hour lecture, one and one-half to two and one-half hours activity.*

KINE 008A 1.00 or 1.50 Units
Beginning Tennis
Course Advisory: SCC minimum English and Math standards. Lectures and demonstrations cover the fundamental techniques of tennis: forehand, backhand, basic serve, and volley. Terminology, rules, and history are included. Practice, skill drills, and class competition in both singles and doubles are provided to enhance skill development and game strategy. Skills exams and written exams serve to evaluate student achievement. Formerly PE 008A. *One-half hour lecture, one and one-half to two and one-half hours activity.*

KINE 008B 1.00 or 1.50 Units
Intermediate Tennis
Prerequisite: KINE 008A with a minimum grade of C.
Course Advisory: SCC minimum English and Math standards. Lecture and demonstration cover the intermediate techniques of tennis: overhead smash, drop shot, chop volley, serves, and offensive and defensive lobs. Strategy for competitive play is emphasized. Skills exams and written exams serve to evaluate student achievement. Formerly PE 008B. *One-half hour lecture, one and one-half to two and one-half hours activity.*

KINE 008C 1.00 or 1.50 Units
Beginning Racquetball
Course Advisory: SCC minimum English and Math standards. Lectures and demonstrations on the fundamental techniques and skills such as grips, forehand and backhand strokes, serves, the serve return, and the kill shot. Scoring, game rules, game strategy, and court etiquette are included. Drills and class competitions are provided to enhance skill development and game strategy. Skills exams and written final exam serve to evaluate student achievement. Formerly PE 008C. *One-half hour lecture, one and one-half to two and one-half hours activity.*

Kinesiology

KINE 008E 1.00 or 1.50 Units
Beginning Badminton
Course Advisory: SCC minimum English and Math standards. Lecture and demonstrations on the basic skills: forehand, backhand, service, the clears and the smash. Also covered are singles and doubles strategy. History, terminology, rules and scoring, and care and selection of equipment are included. Skills exams and written exams serve to evaluate student achievement. Formerly PE 008E. *One-half hour lecture, one and one-half or two and one-half hours activity.*

KINE 008F 1.00 or 1.50 Units
Intermediate Badminton
Prerequisite: KINE 008E. Course Advisory: SCC minimum English and Math standards. Lecture and demonstrations cover intermediate skills: clears-cross court, down the line and reverse cross-court; drops - at the net, from the backcourt and from the mid-court; service - forehand and backhand. Also covered are offensive and defensive techniques of the smash. Training drills, agility, endurance and court coverage for competitive play will be taught. Skill exams and written exams serve to evaluate student achievement. Formerly PE 008F. *One-half hour lecture, one and one-half to two and one-half hours activity.*

KINE 009A 1.00 or 1.50 Units
Beginning Basketball
Course Advisory: SCC minimum English and Math standards. Lectures and demonstration cover the fundamental skills of basketball: shooting, passing, dribbling, rebounding, and footwork. Offensive and defensive drills are practiced in preparation for low-level competition in class. The history, rules, and terminology of the game are included. Skills exams and written exams serve to evaluate student achievement. Formerly PE 009A. *One-half hour lecture, one and one-half or two and one-half hours activity.*

KINE 009B 1.00 or 1.50 Units
Indoor/Outdoor Soccer
Course Advisory: SCC minimum English and Math standards. Covers the fundamental techniques of soccer, terminology, rules, and history. Practice, skills drills, and class competitions are provided to enhance skill development and game strategy. A written final exam and skills exams serve to evaluate student achievement. Formerly PE 009B. *One-half hour lecture, one and one-half to two and one-half hours activity.*

KINE 009C 1.00 or 1.50 Units
Intermediate Soccer
Prerequisite: KINE 0098B with a minimum grade of C. Course Advisory: SCC minimum English and Math standards. Covers intermediate soccer skills. Through team competition, emphasis is placed upon offensive and defensive tactics and strategies. Develop knowledge and understanding of the current collegiate soccer rules and fitness. Formerly PE 009C. *One-half hour lecture, one and one-half to two and one-half hours activity.*

KINE 009E 1.00 or 1.50 Units
Intermediate Basketball
Prerequisite: KINE 009A with a minimum grade of C. Course Advisory: SCC minimum English and Math standards. Lecture and demonstration cover second derivative skills and philosophies of basketball: court leadership, team offenses and defenses, motivation, team strategies, court decorum and sportsmanship. Skill exams and written exams serve to evaluate student achievement. Formerly PE 009E. *One-half hour lecture, one and one-half to two and one-half hours activity.*

KINE 009F 1.00 or 1.50 Units
Beginning Baseball
Course Advisory: SCC minimum English and Math standards. Using a lecture and lab format the class covers the fundamental skills of baseball: throwing, catching, fielding, catching fly balls, hitting, bunting, base running, sliding, and playing defensive positions. Offensive and defensive drills practiced in preparation for low-level competition in class. History, rules, and terminology are included. Skills exams and written exams serve to evaluate student achievement. Formerly PE 009F. *One-half hour lecture, one and one-half to two and one-half hours activity.*

KINE 009G 1.00 or 1.50 Units
Softball
Course Advisory: SCC minimum English and Math standards. Covers the fundamental techniques of softball, terminology, rules, and history. Practice, skill drills, and class competitions are provided to enhance skill development and game strategy. Skills exams and a written final exam serve to evaluate student achievement. Students must provide their own glove. Formerly PE 009G. *One-half hour lecture, one and one-half to two and one-half hours activity.*

Kinesiology

KINE 009H 1.00 or 1.50 Units
Beginning Volleyball
SCC minimum English and Math standards. Covers the basic skills: serve, pass, set attack, and block. Skill development is emphasized. This course presents lecture information on team play, rules, history, and basic game strategy. Physical conditioning is an integral part of the course. Skills exams and written exams serve to evaluate student achievement. Formerly PE 009H. *One-half hour lecture, one and one-half to two and one-half hours activity.*

KINE 009P 1.00 or 1.50 Units
Intermediate Volleyball
Prerequisite: KINE 009H with a minimum grade of C.
Course Advisory: SCC minimum English and Math standards. Covers the intermediate skills: serve, pass, set, attack, and block. The course focuses on offensive and defensive tactics and strategies in preparation for high-level competitive play. A comprehensive physical conditioning program is included to prepare the player for the rigors of volleyball activity. Formerly PE 009P. *One-half hour lab, one and one-half to two and one-half hours activity.*

KINE 020A 3 Units
Introduction to Kinesiology
Course Advisory: SCC minimum English and Math standards. An introduction to the field of Kinesiology as a profession and as an academic discipline. The course covers, the purposes, philosophical and historical foundations, biological and biomechanical foundations, and the sociological and psychological foundations of Physical Education. The course also focuses on educational preparation, the job market, and alternative careers in Physical Education. Written exams and writing assignments serve to evaluate student achievement. Formerly PE 020A. *Three hours lecture.*

KINE 020D 2 Units
Baseball Theory and Practice I
Course Advisory: SCC minimum English and Math standards. A comprehensive baseball course designed for the athlete and coach. The course includes the theories and applications of offensive and defensive strategies, the game plan as it relates to the statistical performance of a particular team, and the use of scouting in assessing the skills and weaknesses of the opposing coach and team. Skills exams and written exams serve to evaluate athlete achievement. Formerly PE 020D. *One hour lecture, two hours activity.*

KINE 020E 2 Units
Baseball Theory and Practice II
Course Advisory: SCC minimum English and Math standards. A continuation of Kinesiology 020D. A comprehensive baseball course designed for the athlete and coach. The course includes advanced theories and applications of offensive and defensive strategies, the evaluation of the game plan as it relates to the statistical information and skill performance of a team, and the use of assembling advanced scouting reports to assess the skills and weaknesses of the opposing coach and team. Skills exams and written exams serve to evaluate the student. Formerly PE 020E. *One hour lecture, two hours activity.*

KINE 020F 2 Units
Football Theory and Practice I
Course Advisory: SCC minimum English and Math standards. Comprehensive course for athletes and coaches of football in preparation for intercollegiate competition. The course focuses on the analyses and applications of the principles underlying all football techniques, the psychology involved in the development of winners, and the scientific and empirical principles of training. Skills exams and written exams serve to evaluate athlete achievement. Formerly PE 020F. *One hour lecture, two hours activity.*

KINE 020G 2 Units
Football Theory and Practice II
Course Advisory: SCC minimum English and Math standards. A continuation of Kinesiology 020F. An advanced course for athletes and coaches of football in preparation for intercollegiate competition. The course focuses on the analyses and applications of the principles underlying offensive and defensive strategies and formation of game plans. Skills and written exams are used evaluate student learning. Formerly PE 020G. *One hour lecture, two hours activity.*

KINE 020H 3 Units
Care and Prevention of Athletic Injuries
Course Advisory: SCC minimum English and Math standards. An introduction to the field of Athletic Training as a profession and as an academic discipline. Designed to train students in the recognition, rehabilitation, and prevention of athletic injuries. Emphasis is on learning and applying a variety of taping techniques and athletic training therapies. Written examinations and practical examinations serve to evaluate student achievement. Required of Kinesiology majors and minors. Formerly PE 020H. *Three hours lecture.*

Kinesiology

KINE 020J 2 Units
Softball Theory and Practice II
Course Advisory: SCC minimum English and Math standards. A continuation of Kinesiology 020P. An advanced softball course designed for the athlete and coach. The course includes advanced theories and applications of offensive and defensive strategies, evaluation of the game plan as it relates to statistical information and skill performance of a team. It also covers assembling advanced scouting reports to assess the opposition. Skill exams and written exams serve to evaluate the student. Formerly PE 020J. *One hour lecture, two hours lab.*

KINE 020M 2 Units
Volleyball Theory and Practice I
Course Advisory: SCC minimum English standard. Study of the theories of offensive and defensive strategies of competitive volleyball. Athletes will study, analyze, and practice offensive and defensive skills and strategies in preparation for seasonal, intercollegiate competition. Skills exams and written exams serve to evaluate athlete achievement. Formerly PE 020M. *One hour lecture, two hours activity.*

KINE 020N 2 Units
Volleyball Theory and Practice II
Course Advisory: SCC minimum English standard. A continuation of PE 020M A study of advanced theories of offensive and defensive strategies of competitive volleyball. Students will analyze advanced offensive and defensive strategies and will develop in-depth scouting procedures. Skills exams and written exams serve to evaluate student achievement. Formerly PE 020N. *One hour lecture, two hours activity.*

KINE 020P 2 Units
Softball Theory and Practice I
Course Advisory: SCC minimum English and Math standards. Comprehensive course designed for the intercollegiate softball athlete and for the coach of fastpitch softball. The course focuses on the theories, analyses, and applications of offensive and defensive skills and strategies. Written exams and practical exams serve to evaluate athlete achievement. Formerly PE 020P. *One hour lecture, two hours activity.*

KINE 020Q 1.50 or 2.00 Units
Soccer Theory and Practice I
Course Advisory: SCC minimum English and Math standards. A comprehensive course designed for the intercollegiate soccer athlete and for the coach of soccer. The course focuses on the theories, analyses, and application of offensive and defensive skills and strategies. Written exams and practical exams serve to evaluate the student achievement. Formerly PE 020Q. *One hour lecture, one to two hours activity.*

KINE 020R 1.50 or 2.00 Units
Soccer Theory and Practice II
Course Advisory: SCC minimum English and Math standards; KINE 020Q or equivalent soccer experience. Continuation of Kinesiology 020Q. A study of advanced theories of offensive and defensive strategies of competitive soccer. Students will analyze advanced offensive and defensive strategies and will develop in-depth scouting procedures. Skill exams and written exams serve to evaluate student achievement. Formerly PE 020R. *One hour lecture, one to two hours activity.*

KINE 020S 2 Units
Advanced First Aid and Emergency Care
Course Advisory: SCC minimum English and Math standards. A course designed to prepare individuals who may administer emergency care to the injured and ill. Upon successful completion of the course, students will be knowledgeable in Advanced First Aid and Emergency Care and cardiopulmonary resuscitation (CPR) for infants, children, and adults. Upon successful completion of the appropriate exam, the student will be eligible for certification in First Responder First Aid and CPR. Required of Physical Education/Kinesiology majors and minors. Formerly PE 020S. *Two hours lecture, one hour lab.*

KINE 020V 3 Units
Introduction to Sports Science
Course Advisory: SCC minimum English and Math standards. A course covering the basic elements of sport sciences including: kinesiology, motor learning, biomechanics, exercise physiology, sports medicine, sport psychology and training theory. Formerly PE 020V. *Three hours lecture.*

Kinesiology

KINE 020W 3 Units
Concepts of Physical Fitness
Course Advisory: SCC minimum English and Math standards. A comprehensive fitness course that includes the study of the human organism and its reactions to fitness and physical activity. The course focuses on the physiological adaptations, exercise training/prescriptions, nutrition, ergogenic aids, environmental factors, and the major medical and health conditions. Written exams and measurements of activity serve to evaluate student achievement. Formerly PE 020W. *Three hours lecture.*

KINE 020X 2.5 Units
Basketball Theory and Analyses I
Course Advisory: SCC minimum English and Math standards. A comprehensive basketball theory course designed for coach and athlete. The course includes the theories and analyses of offensive and defensive strategies, the development of the offensive and defensive game plan as it relates to statistical data, and spontaneous adjustments in offensive and defensive. Written exams serve to evaluate student achievement. Formerly PE 020X. *Two hours lecture, one hour lab.*

KINE 020Y 2.5 Units
Basketball Theory and Analyses II
Course Advisory: SCC minimum English and Math standards. A continuation of KINE 020X. A comprehensive basketball theory course designed for coach and athlete. The course includes the advanced theories and analyses of offensive and defensive strategies and the development of the game plan using statistical data and the scouting report. Written exams and skill exams serve to evaluate student achievement. Formerly PE 020Y. *Two hours lecture, one hour lab.*

KINE 055 2 Units
Sports Medicine — Athletic Training Practicum
Prerequisite: KINE 020H. Course Advisory: SCC minimum English and Math standards. Supervised volunteer athletic experience which provides students with the opportunity for immediate recognition and treatment of sports injuries. Emphasis is on taping techniques and rehabilitation which enables athletes to return to competition. Formerly PE 055. *One hour lecture, three hours weekly by arrangement.*

KINE 057 3 Units
Introduction to Sports Psychology
Introduction to psychological concepts, strategies and skills designed to help individuals overcome the barriers to optimal athletic performance. Skills such as imagery, goal setting, cognitive restructuring, attentional focusing, arousal regulation, and coping will be presented. With this course students establish a goal(s) and work toward it while fostering a winning environment. Formerly PE 057. *Three hours lecture.*

KINE 071 0.5 to 1.50 Units
Back Care and Injury Management
Course Advisory: SCC minimum English and Math standards. A course designed for students with interest in back care or managing a back injury. Individualized and group exercises will focus on functional motor control, balance, coordination, flexibility, developmental movement, individually developed exercises and strength and endurance for students with back injuries. There will be an emphasis on encouraging independence in personal health and teaching lifelong fitness knowledge and skills. Formerly PE 071. *One-half hour lecture, one-half or two and one-half hours activity.*

KINE 078 1.0 or 1.50 Units
Fit Ball Training
Course Advisory: SCC minimum English and Math standards. A fitness course that utilizes fitness ball techniques that can increase strength, flexibility, endurance and lean body composition. Fitness ball exercises can help to improve and develop functionality and agility through strengthening weak muscles as well as core muscles. Students will learn to safely and effectively execute strengthening exercises for all the major muscle groups with and without hand weights, flexibility exercises and balancing exercises. Skill exams and written exams serve to evaluate student achievement. Formerly PE 078. *One-half hour lecture, one and one-half or two and one-half hours activity.*

KINE 083 2.0 or 2.50 Units
Fire Candidate Physical Fitness
Course Advisory: SCC minimum English and Math standards. 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." Formerly PE 083. *One hour lecture and two or three hours activity.*

Kinesiology

Kinesiology/Athletics/ Health Education Intercollegiate Athletics

ATHL 001 2 Units
Women's Intercollegiate Volleyball (Fall)
Course Advisory: SCC minimum English and Math standards. A comprehensive course designed for the student athlete covering advanced intercollegiate volleyball skills. The course includes the theories and analyses of offensive and defensive strategies, skill acquisition, development of fitness skills and mental preparation for competition. Repeatable 3 times. *Ten hours lab.*

ATHL 002A 1 Unit
Women's Fall Intercollegiate Basketball
Course Advisory: SCC minimum English and Math standards. A comprehensive course designed for the student athlete covering advanced intercollegiate basketball skills. The course includes the theories and analyses of offensive and defensive strategies, acquisition and development of physical skills, and mental preparation for competition. Repeatable 3 times. *Ten hours lab (12 week course).*

ATHL 002B 1 Unit
Women's Spring Intercollegiate Basketball
Course Advisory: SCC minimum English and Math standards. A comprehensive course designed for the student athlete covering advanced intercollegiate basketball skills. The course includes the theories and analyses of offensive and defensive strategies, acquisition and development of physical skills, and mental preparation for competition. Repeatable 3 times. *Ten hours lab (9 week course).*

ATHL 003 2 Units
Women's Intercollegiate Softball
Course Advisory: SCC minimum English and Math standards. A comprehensive course designed for the student athlete covering advanced softball skills. The course includes the theories and analyses of offensive and defensive strategies, skill acquisition, development of fitness skills and mental preparation for competition. Repeatable 3 times. *Ten hours lab.*

ATHL 004 2 Units
Women's Intercollegiate Soccer (Fall)
Course Advisory: SCC minimum English and Math standards. A comprehensive course designed for the student-athlete covering advanced intercollegiate soccer skills. The course includes the theories and analysis of offensive and defensive strategies, skill acquisition, development of fitness skills and mental preparations for competition. Repeatable 3 times. *Ten hours lab.*

ATHL 010 1 Unit
Men's and Women's Intercollegiate Swimming and Diving
Course Advisory: SCC minimum English and Math standards. A comprehensive course designed for the student athlete covering advanced intercollegiate swimming and diving skills. The course includes theories and analyses of skill acquisition, development of fitness skills and mental preparation for competition. Repeatable 3 times. *Ten hours lab.*

ATHL 015 2 Units
Men's Intercollegiate Baseball
Course Advisory: SCC minimum English and Math standards. A comprehensive course designed for the student athlete covering advanced intercollegiate baseball skills. The course includes the theories and analyses of offensive and defensive strategies, skill acquisition, development of fitness skills and mental preparation for competition. Repeatable 3 times. *Ten hours lab.*

ATHL 016A 1 Unit
Men's Intercollegiate Basketball (Fall)
Course Advisory: SCC minimum English and Math standards. A comprehensive course designed for the student athlete covering advanced intercollegiate basketball skills. The course includes the theories and analyses of offensive and defensive strategies, acquisition and development of physical skills, and mental preparation for competition. Repeatable 3 times. *Ten hours lab (12 week course).*

ATHL 016B 1 Unit
Men's Intercollegiate Basketball (Spring)
Course Advisory: SCC minimum English and Math standards. A comprehensive course designed for the student athlete covering advanced intercollegiate basketball skills. The course includes the theories and analyses of offensive and defensive strategies, acquisition and development of physical skills, and mental preparation for competition. Repeatable 3 times. *Ten hours lab (9 week course).*

Kinesiology

ATHL 017

2 Units

Men's Intercollegiate Football (Fall)

Course Advisory: SCC minimum English and Math standards. A comprehensive course designed for the student athlete covering advanced intercollegiate football skills. The course includes the theories and analyses of offensive, defensive, and kicking team strategies, acquisition and development of physical skills, and mental preparation for competition. Repeatable 3 times. *Ten hours lab.*

ATHL 020

2 Units

Men's and Women's Intercollegiate Water Polo

Course Advisory: SCC minimum English and Math standards. A comprehensive course designed for the student athlete covering advanced intercollegiate water polo skills. The course includes the theories and analyses of offensive and defensive strategies, skill acquisition, development of physical skills, and mental preparation for competition. Repeatable 3 times. *Ten hours lab.*

Liberal Arts

For Landscaping-See Horticulture

American Studies

AMST 001 3 Units
An Interdisciplinary Study of American Culture
Course Advisory: ENGL 001 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 002 3 Units
An Interdisciplinary Study of American Culture
Course Advisory: ENGL 001 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 050 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 001 3 Units
What it Means to be Human
Prerequisite: ENGL 001. Explores what it means to be human by examining human life in several ways such as humans as social beings, language users, thinkers, myth makers, aggressors and peace makers, revolutionaries, scientists, and creators, and media creators and consumers. Inquiry into each category will involve critical thinking, artistic sensitivity, and historical perspective. *Three hours lecture.*

HUMN 002 3 Units
Humans as Creators: The Media of Creativity
Course Advisory: Eligibility for ENGL 001. 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 003 3 Units
Journey in a Multicultural Landscape
Course Advisory: 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.*