

Fire Technology

Career Technical Education Division

Program Description

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

Certificate of Achievement and Associate in Science Degree

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

Required Courses

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

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

Information on State Fire Marshal Certification

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

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

Hazardous Substance and Waste Handling Technician

Certificate of Achievement Only

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

Required Courses

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

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

Recommended Electives

Job-Direct Certificate Requirements

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

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

FIRE 50 3 Units
Fire Protection Organization
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 51 3 Units
Fire Behavior and 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.*

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

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

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

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

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

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