

FIRE SCIENCE TECHNOLOGY

Associate in Science

Career/Technical (Major Code: 02845)

Provides training in the theory and practice of fire technology, the fire service, and the fire protection field. It is designed to enhance qualifications for entry into the fire service, for preparation for entry-level hiring examinations, and for current firefighters wishing to complete a degree in fire technology.

Program Student Learning Outcomes

- Upon completion of this program, the student will demonstrate proficiency in multi-faceted communication skills, assessment of the problem(s), interpretation of information and make judgments related to hazardous emergencies, medical emergencies, and fire (potential/ actual) incidents.
- Upon completion of this program, the student will demonstrate proficiency in all aspects of basic firefighter emergency responses as related to investigation and mitigation of the situation.
- Upon completion of this program, the student will demonstrate proficiency in working collegially with a diverse population in stressful environments in the basic firefighter role.

Code	Title	Units
Program Requirements		
FS 10	PROFESSIONAL SKILLS FOR EMPLOYMENT IN THE FIRE SERVICE	3
FS 101	FIRE PROTECTION ORGANIZATION	3
FS 102	FIRE BEHAVIOR AND COMBUSTION	3
FS 103	FIRE PREVENTION TECHNOLOGY	3
FS 104	FIRE PROTECTION EQUIPMENT AND SYSTEMS	3
FS 106	BUILDING CONSTRUCTION FOR FIRE PROTECTION	3
Select 17 units from electives		17
Total Units		35

Code	Title	Units
Electives		
AJ 30	PENAL CODE 832-ARREST AND FIREARMS	4
EMT 101 & EMT 109	HEALTHCARE PROVIDER CPR and EMERGENCY MEDICAL RESPONDER	4
or EMT 125	WILDERNESS FIRST RESPONDER	
EMT 113	EMERGENCY MEDICAL TECHNICIAN-BASIC	5
EMT 113L	EMERGENCY MEDICAL TECHNICIAN LABORATORY -BASIC	3
FS 12	FIRE SERVICE HYDRAULICS	3
FS 20	FIRE APPARATUS AND EQUIPMENT	3
FS 30	EMERGENCY SERVICES PHYSICAL FITNESS AND NUTRITION	5.5
FS 32	PRE-ACADEMY FIRE, POLICE, AND EMS FITNESS AND NUTRITION	3

FS 33	FIREFIGHTING, BASIC SKILLS AND TECHNIQUES	3
FS 40	FIRE SERVICE SKILLS	1-1.5
FS 108	FIRE FIGHTER SAFETY AND SURVIVAL	3
FS 110	HAZARDOUS MATERIALS	3
FS 144	BASIC WILDLAND FIREFIGHTING ACADEMY	8
FS 146	ADVANCED WILDLAND FIREFIGHTING ACADEMY	3
FS 290	FIRE SCIENCE COOPERATIVE WORK EXPERIENCE I	2-4
or FS 291	FIRE SCIENCE COOPERATIVE WORK EXPERIENCE II	
or FS 292	FIRE SCIENCE COOPERATIVE WORK EXPERIENCE III	
or FS 293	FIRE SCIENCE COOPERATIVE WORK EXPERIENCE IV	

To earn an associate degree, additional general education and graduation requirements (<http://catalog.swccd.edu/certificates-certifications-degrees-csuuc-requirements/>) must be completed.