



Emergency and Fire Management Services

Career Goal (O*NET Code): Firefighter (33-2021), EMT (29-2041), Paramedic (33-2041), Dispatcher (43-5031).

Cluster Overview : The Law, Public Safety, Corrections, & Security Cluster focuses on careers in planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

High School	9th	Core Courses:	English I Algebra I Biology	World Geography Languages other than English I Health/PE or Equivalent	<p>Curricular Experiences: SkillsUSA Health Occupations Students of America</p> <p>Career Learning Experiences: Career Preparation (Paid/Unpaid) Job Shadowing Internships</p>	<p>Extracurricular Experiences: Explorer Program Student Council Mock Trial</p> <p>Service Learning Experiences: Community Service Peer Tutoring Peer Mentoring</p>
		Career-Related Electives:	Introduction to Criminal Justice or Introduction to Health Science Technology or Fire Science Technology			
	10th	Core Courses:	English II Geometry Chemistry	World History Languages other than English II Technology Applications		
		Career-Related Electives:	Emergency Communications or Health Science Technology I*** or Fire Prevention Services or Fire Service Hydraulics or Firefighter Health and Safety or Technology Systems (Modular Based Lab)**			
	11th	Core Courses:	English III Algebra II Physics	United States History Communication Applications PE or Equivalent		
		Career-Related Electives:	Criminal Investigation or Fundamentals of Criminal Law or Firefighter I or Crime In America			
	12th	Core Courses:	English IV Precalculus Environmental Systems	Government/Economics Fine Arts		
		Career-Related Electives:	Energy, Power and Transportation Systems or Courts and Criminal Procedure or Firefighter II			
Postsecondary	On-the-Job Training	Basic Firefighter			<p>Professional Associations: Combined Law Enforcement Associations of Texas Fire Department Safety Officers Association Federal Law Enforcement Officers Association International Association of Arson Investigators International Association of Firefighters International Fire Service Training Association Texas State Association of Firefighters</p>	
	Certificates	Basic EMT Basic Firefighter Heartsaver CPR	Emergency Care Attendant OSHA CareerSafe Dispatcher	<p>Career Options: Emergency Medical Technician Fire Security</p> <p>Firefighter I Forest Firefighter Paramedic</p>		
	Associate's Degrees	<p>15 hours of General Education Core including Freshman Composition I (ENGL 1301) OR Technical Writing (ENGL 2X11) AND Introduction to Chemistry I (CHEM 1X05) AND Contemporary Mathematics I (MATH 1X32) OR College Algebra (MATH 1X14) Firefighter Agility & Fitness (FIRS 1X03) Computer Applications (POFI 1X01) Communication for the Trades (SPCR 1X01)</p> <p>*** New WECM course Fundamentals of Public Safety, Law, Corrections and Security *** New WECM Course Basic Incident Command (NIMS Based)</p> <p>Fire Administration Option Fire Chemistry I (FIRT 1X33) Fire Officer (FIRT 1X33) Fire Officer II (FIRT 1X43) Fire Instructor I (FIRS 2X05) Fire Instructor II (FIRT 2X07) Legal Aspects of Fire Protection (FIRT 1X53) Fundamentals of Fire Protection (FIRT 1X01) EMS Supervision/Management (EMSP 2X45) Firefighting Strategies & Tactics I (FIRT 2X09) *** New WECM course Public Safety Information Officer for Emergency Services</p>				<p>Career Options: Arson Investigation Department of Homeland Security</p> <p>Firefighter Forest Fire Investigator Manager/Supervisor of Firefighters</p> <p>Licenses, Certifications & Credentials Fire Certification WECM Courses 1-6 (FIRS) EMT Basic and Clinical Courses (EMSP 1501 & EMSP 1160)</p>
	Bachelor's Degrees	Criminal Justice Fire Science	Public Administration	Science		<p>Career Options: Department of Homeland Security Forest Fire Investigator</p> <p>Forest Firefighter Technician & Forensics</p>
Graduate Degrees	Criminal Justice	Fire Administration Public Administration	Police Administration	<p>Career Options: Emergency Services Administration Emergency Services</p> <p>Fire Service Administration Instructor/Professor Municipal Administration Research and Policy</p>		

*May substitute for the required credit for Physical Education
**Satisfies the required credit for Technology Applications
***May substitute for the required credit for Health Education

Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses, if possible.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2007. All plans should meet high school graduation requirements as well as college entrance requirements. Students may select other elective courses for personal enrichment purposes.