



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	Curricular Experiences: SkillsUSA Health Occupations Students of America Career Learning Experiences: Career Preparation (Paid/Unpaid) Job Shadowing Internships	Extracurricular Experiences: Explorer Program Student Council Mock Trial Service Learning Experiences: Community Service Peer Tutoring Peer Mentoring
		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 NOTE: These experiences may be started and/or completed as part of the high school experience.		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		
	Certificates	Basic EMT Basic Firefighter Heartsaver CPR	Emergency Care Attendant OSHA CareerSafe Dispatcher NOTE: Students may earn all or part of these certificates as part of the high school experience.			Career Options: Firefighter I Forest Firefighter Paramedic
	Associate's Degrees	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) Firefighter Communication for the Trades (SPCR 1X01) *** New WECM course Fundamentals of Public Safety, Law, Corrections and Security *** New WECM Course Basic Incident Command (NIMS Based)				Career Options: Firefighter Forest Fire Investigator Manager/Supervisor of Firefighters
		Fire Protection Option Fire Chemistry I (FIRT 1X33) Fire Service Hydraulics (FIRT 1X11) Building Construction in the Fire Service (FIRT 1X27) Firefighting Strategies & Tactics I (FIRT 2X09) Hazardous Materials II (FIRT 1X45) *** New WECM course Marine Firefighting Fire and Arson Investigation I (FIRT 1X03) Fire and Arson Investigation II (FIRT				Licenses, Certifications & Credentials TCLEOSE Basic Peace Office license requirement for Arson Investigator without TCLEOSE requirement- Fire Cause Determination Certification Fire Certification WECM Courses 1-6 (FIRS) EMT Basic and Clinical WECM Courses (EMSP 1501 & EMSP 1160)
Bachelor's Degrees	Criminal Justice Fire Science	Public Administration Science	Career Options: Department of Homeland Security Forest Fire Investigator	Forest Firefighter Technician & Forensics		
Graduate Degrees	Criminal Justice	Fire Administration Public Administration	Police Administration	Career Options: Emergency Services Administration Emergency Services	Fire Service Administration Instructor/Professor Municipal Administration Research and Policy	

*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.