Associate in Science

Fire Science Program – Emergency Medical Services Option

Students who wish to major in Fire Science must select either the Fire Science Option or Emergency Medical Services Option. Professional education courses are offered evenings only. **To graduate in the Fire Science program – Emergency Medical Services option, a student must complete the following required course of study.**

Course #	Course Title	Credits	Prerequisites	Semester Offered	Semester Taken	Grade Earned
General Education						
ENL101	English Composition I	3	ENL050 or ESL201	Every		
ENL102	English Composition II	3	ENL101	Every		
COM103	Human Communication	3	ENL010 or ESL102	Every		
	Psychology (or) Sociology	3				
CHM106 (or) CHM109	Survey of Chemistry (or) Chemistry for the Health Sciences I	4	MAT020 (or) MAT030	F & S every		
	Fine and Performing Arts (or) Language Arts	3				
BIO105	Survey of Anatomy and Physiology	4	MAT020, ENL020, ENL050	every		
Professional Education**						
EMS101	Emergency Medical Technician: EMT	5		Fall & Spring		
EMS201	Advanced Pre-Hospital Training Program: Paramedic I	7	ENL020, MAT020	Fall		
EMS202	Advanced Pre-Hospital Training Program: Paramedic II	8	EMS201	Spring		
FSC100	Introduction to Fire Protection	3	ENL020, ENL050	evenings		
FSC101	Fundamentals of Fire Prevention	3	FSC100	evenings		
FSC103	Fire Fighting Tactics and Strategy	3	FSC100	evenings		
FSC105	Hazardous Materials	3	CHM106 or CHM101 or CHM109	evenings		
FSC107	Hydraulics for Fire Science	3	MAT030, FSC100	evenings		
FSC109	Fire Department Management and Planning	3	FSC100	evenings		
	Elective*	3				
Total Credits:		**64**				

*GIT110 Microcomputer Software Applications is recommended.

** Please refer to the policy statement of Criminal Offender Record Information and Sex Offender Registry Information checks.

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Fire Science Program – Emergency Medical Services Option

Overview: This program is designed to expand the educational development of the Emergency Medical Services. Material covered in this program will expand the skill and education of persons working in the field or in administrative areas of Emergency Medical Services.

Career Outlook: This program is designed to provide professional training for students interested in careers in the Emergency Medical Services field with opportunities in municipal, state, and federal agencies, industry, insurance companies, hospitals and various medical offices.

Program Outcomes: Upon completion of the Fire Science program- Emergency Medical Services option, students will be able to meet the following learning outcomes:

- apply principles and current practices of fire protection techniques
- use effective communication skills to build relationships with co-workers, supervisors, and members of the community
- perform the role of a fire protection officer using established standards, guidelines, and regulations
- observe, analyze, assess, and implement an effective operation plan in fire protection and emergency medical service situations
- apply principles and practices of specialized technical operations teams
- integrate leadership principles to perform roles of increasing responsibility within fire protection and emergency medical service organizations.