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	Appropriate score on the Computerized Placement Test or grade of C or better in ENL050) or ESL201	Fall, Spring, Summer		
ENL102 COM103	English Composition II (or) Human Communication	3	A grade of C or higher in ENL101 ENL010 or ESL102 or satisfactory basic skills assessment score	Fall, Spring, Summer		
PSY101 (or) SOC106	General Psychology (or) Principles of Sociology***	3	ENL020, ENL050	Fall, Spring, Summer		
	Behavioral & Social Sciences***	3				
	Mathematics/Quantitative Reasoning (or) Natural or Physical Science	3 (or) 4				
BIO105	Survey of Anatomy and Physiology	4	MAT020, ENL020 & ENL050 or satisfactory basic skills assessment scores	Fall, Spring, Summer		
CHM106 (or) CHM109	Survey of Chemistry (or) Chemistry for the Health Sciences I	4	MAT020 or satisfactory basic skills assessment score (or) MAT030 or satisfactory basic skills assessment score	Fall, Spring Fall, Spring, Summer		
Professional Education**						
EMS101	Emergency Medical Technician: EMT	5		Fall & Spring		
EMS201	Advanced Pre-Hospital Training Program: Paramedic I	7	ENL020, MAT020	Fall		
EMS202/ EMS602	Advanced Pre-Hospital Training Program: Paramedic II/ Paramedic Clinical Field Experience	8	EMS201	Spring		
FSC100	Introduction to Fire Protection	3	ENL020 and ENL050 or satisfactory basic skills assessment score	Fall, Spring		
FSC103	Fire Fighting Tactics and Strategy	3	FSC100	Varies		
FSC105	Hazardous Materials	3	CHM106 or CHM101 or CHM109	Varies		
FSC114	Fire Company Management	3	FSC100	Varies		
	Elective*	3				
	Fire Science Elective****	3				
	Fire Science Elective****	3				
Total Credits		**63/64**				

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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.

* GIT110 Microcomputer Software Applications is recommended.

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

*** General Education requirements (Humanities & Fine Arts eliminated and Behavioral & Social Sciences added) corrected. 12/15/2010

****__Fire Science electives:__ (updated 2/18/2011)
FSC102 Fire Protection Systems and Equipment
FSC104 Building Construction for the Fire Service
FSC107 Hydraulics for the Fire Service
FSC108 Fire Investigation and Evidence
FSC109 Fire Department Management and Planning
FSC120 Introduction to Incident Management