

Fire Science Administration

FRA.AS

CODE	COURSE	CREDITS	CODE	COURSE	CREDITS
First Year/First Semester			Second Year/First Semester		
ENG-101	English Composition I	3	FIR-201	Fire Protection Systems	3
FIR-101	Fundamentals of Fire Protection	3	FIR-211	Building Construction for Fire Service	3
FIR-102	Fundamentals of Fire Prevention/Fire Inspector I	3	FIR-225	Hydraulics	3
CSC-101	Computer Literacy	3	SOC-101	Introduction to Sociology	3
CHM-120	Chemistry for Fire Protection	4	MTH-111	Introduction to Statistics	3
		16			15
First Year/Second Semester			Second Year/Second Semester		
ENG-102	English Composition II	3	FIR-252	Arson/Law and Court Procedures	3
MTH...	Mathematics General Education Elective	3/4	FIR-231	Organization & Management of Fire Departments or	
FIR-125	Fire Fighter Safety and Survival	3	FIR-235	NJ Fire Officer I	3
FIR-202	Fire Investigation	3	POL-103	American Federal Government	3
FIR-222	Fire Inspector II	3	PHL-131	Introduction to Ethics	3
		15/16	Diversity: Humanities General Education Elective or	
			Diversity: Social Science General Education Elective	3
					15
				Total Minimum Credits	61

PROGRAM DESCRIPTION

The Fire Science Administration option is intended for those who seek to transfer to a four year institution for the purpose of earning a Bachelor of Science in Fire Science. The program adheres to the core requirements of the Department of Homeland Security guidelines for fire science in the Fire and Emergency Service Higher Education (FESHE) model curriculum. Students completing this program may also earn certifications in Fire Code Enforcement. Students transferring to a four year school offering a bachelor of Fire Science will be entering the third year program and will have the ability to complete the degree on a four year plan.

PROGRAM GOALS

- To prepare students to transfer to colleges and universities that offer Baccalaureate degrees in fire science.
- To prepare students to successfully pass the New Jersey state certification exams in Fire Prevention and Code enforcement.
- To prepare students to understand the role construction and code compliance play in fire prevention and suppression.
- To provide a degree platform that meets the national DHS model for higher education in emergency services.
- To provide students with a General Education foundation.

PROGRAM STUDENT LEARNING OUTCOMES

- At the end of the program, the graduate will be able to:
1. Explain the method by which fire and building codes enhance fire prevention and overall safety to building occupants.
 2. Discuss how organization structure in a fire or emergency department is used to deliver effective services for prevention, suppression and emergency operations.
 3. Understand the key benefits for investigating fire losses and how that applies to legal requirements under state law.
 4. Demonstrate knowledge of hazard and risk exposure caused by fire and the methods used by management for effectively controlling this exposure to avoid or minimize unnecessary safety and health risks.

PROGRAM INFORMATION

Upon completion of the degree the students will have earned a minimum of 31 credits in General Education and 30 credits in technical content. Student will receive a certificate of completion for the educational requirement that meets New Jersey Uniform Fire Code certification requirements.

EMPLOYMENT OPPORTUNITIES

- Positions in municipal fire departments as career firefighters or support staff
- Positions in fire inspection and code enforcement
- Positions with fire alarm or sprinkler supply companies providing equipment and service for companies in need of such systems to comply with construction and use codes
- Positions in the insurance industry in risk reduction and/or post incident investigation

TRANSFER OPPORTUNITIES:

Students in this program transfer to many institutions including:
 New Jersey City University
 Holy Family University
 University of Maryland

CONTACT PERSON

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