RV11/07JM

FIRE SCIENCE

Delta College - Associate Degree in Applied Science

Fire Science Technology (Code AAS 25731)
Emergency Medical Services (Code AAS 25732)
Industrial Commercial Security / Fire Safety (Code AAS25733)
Fire Investigation / Prevention (Code AAS 25734)
Leadership and Training (Code AAS 25735)
Fire Fighter Technician (Code AAS 25736)
(Catalog Year 2007-2008)

Many courses have prerequisites. See course descriptions in current catalog or on website at http://www.delta.edu/catalog/courses.asp

GENERAL EDUCATION CORE COURSES

	Dept/Cat #			Course Title	Sem/Cr Hrs
___	ENG	___		Any Approved College Composition I Course	3/5
___	ENG	___	**OR**	Any Approved College Composition II Course **OR**	
	ENG	113		Technical Communications	3/5
___	LW	___	**AND**	Any 1 Credit LW Course (As of fall 2007) **AND**	1
___	LWA	___		Any 1 Credit LWA Course **OR**	1
			OR		
___	LW	___		Any 2 Credit LW Course (As of fall 2007)	(2)
___	POL	___		Any Approved American Govt Requirement	3/4
___	PSY	101W	**OR**	Applied Psychology **OR**	
	SPH	112W	**OR**	Fundamentals of Oral Communications **OR**	
	SPH	114W		Interpersonal Communications	3
				TOTAL GENERAL EDUCATION CORE COURSES	14/19

FIRE SCIENCE CORE COURSES

	Dept/Cat	#		Course Title	Sem/Cr Hrs
___ *	FST	101W	**OR**	Introduction to the Fire Science **OR**	**3**
___ *4	FST	219	OR	Fire Protection Hydraulics & Water Supply OR	(3)
*4	FST	219	AND	Fire Protection Hydraulics & Water Supply AND.	(3)
	FST	219L		Fire Protection Hydraulics & Water Supply Lab	(1)
___ *	FST	102W		Fireground Tactics	3
___ *	FST	103W		Building Construction	3
___ *2	FST	104W	**OR**	Arson Awareness **OR**	
*2	FST	230		Fire Safety Education	3
___ *	FST	105W		Hazardous Materials I/Emergency Responder	3
___ *	FST	107W		Fire Protection Systems I	3
*	CST	133W	**OR**	Computer Concepts & Competencies **OR**	
___ *	FST	133W		Computer Aided Mgmt Emergency Operations	3/4
				TOTAL FIRE SCIENCE CORE COURSES	21/23

FIRE SCIENCE TECHNOLOGY OPTION (Code AAS 25731)

	Dept/Cat #		Course Title	Sem/Cr Hrs
___ 3	___	___	Approved Electives	18
___	___	___	General Electives	9
			SUBTOTAL	27
			TOTAL CREDITS REQUIRED FOR ASSOCIATE DEGREE	62/67

EMERGENCY MEDICAL SERVICES OPTION (AAS 25732)

			Course Title	
___ *	EMS	110	Basic Emergency Medical Technician I	4
___ *	EMS	111	Basic Emergency Medical Technician II	4
___ *	EMS	112	Basic Emergency Medical Technician III	3
___ *	EMS	113	Basic Emergency Technician Field Experience	2
___ *	FST	301	Incident Command System	1
___ 3	___	___	Approved Electives	6
___	___	___	General Electives	8
			SUBTOTAL	28

INDUSTRIAL / COMMERCIAL SECURITY & SAFETY OPTION (CODE AAS 25733)

	Dept/Cat #			Course Title	Sem/Cr Hrs
___ *	CJ	182		Introduction to Security	3
___ *	FST	205W		Hazardous Materials / Emergency Operations	3
___ *	FST	206	**OR**	Confined Space Management & Rescue **OR**	
*	FST	207W		Fire Protection Systems II	4/3
___ *	FST	231		Fire Service Law	3
___ *	MIT	118		Industrial Safety	2
___ 3	___	___		Approved Electives	6
___	___	___		General Electives	6/7
				SUBTOTAL	26/28
				TOTAL CREDITS REQUIRED FOR ASSOCIATE DEGREE	62/69

FIRE INVESTIGATION / PREVENTION OPTION (CODE AAS 25734)

	Dept/Cat #			Course Title	Sem/Cr Hrs
___ *	CJ	210W	**OR**	Introduction to Criminal Investigation **OR**	
*	FST	224W		Fire Investigation	3
___ *	FST	205W		Hazardous Materials/Emergency Operations.	3
___ *	FST	206	**OR**	Confined Space Management & Rescue **OR**	
*	FST	207W		Fire Protection Systems II	4/3
___ * 2	FST	104W	**OR**	Arson Awareness **OR**	
___ * 2	FST	230		Fire Safety Education	3
___ *	FST	231		Fire Service Law	3
___ 3	___	___		Approved Electives	6
___	___	___		General Electives.	5/6
				SUBTOTAL	26/28
				TOTAL CREDITS REQUIRED FOR ASSOCIATE DEGREE	62/67

LEADERSHIP & TRAINING OPTION (CODE AAS 25735)

	Dept/Cat #			Course Title	Sem/Cr Hrs
___ *	MGT	245	**OR**	Principles of Management **OR**	
*	FST	203W		Fireground Management	3
___ *	FST	280W	**OR**	Company Officer I/II **OR**	
*	FST	206		Confined Space Management & Rescue	4
___ *	FST	204		Fire Service Instructional Methodology	3
___ *	FST	231		Fire Science Law	3
___ *	FST	104W	**OR**	Arson Awareness **OR**	
*	FST	230		Fire Safety Education	3
___ 3	___	___		Approved Electives	6
___	___	___		General Electives.	5/6
				SUBTOTAL	27/28
				TOTAL CREDITS REQUIRED FOR ASSOCIATE DEGREE	62/68

FIRE FIGHTER TECHNICIAN OPTION (CODE AAS 25736)

	Dept/Cat #		Course Title	Sem/Cr Hrs
___ *	FST	111	Fire Fighter IA	6
___ *	FST	112	Fire Fighter IB	6
___ *	FST	211	Fire Fighter II	4
___ *	FST	301	Incident Command System	1
___ 3	___	___	Approved Electives	6
___	___	___	General Electives	4
			SUBTOTAL	27
			TOTAL CREDITS REQUIRED FOR ASSOCIATE DEGREE	62/67

Students may choose two of the options, which will appear on their degree. Students wishing more could complete a second degree with minimum of 24 additional credits.

"THE GRADUATION AUDIT WILL BE IN COMPLIANCE WITH THE GUIDELINES IDENTIFIED IN THE COLLEGE CATALOG"

↘ ↘ ↘ ↘ ↘ SEE REVERSE SIDE FOR NOTATIONS ↘ ↘ ↘ ↘ ↘

AND APPROVED ELECTIVES

FIRE SCIENCE

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APPROVED ELECTIVES (See Notation #3)			
*CJ	187	Current Issues in Security	3
*FST	114	Firefighter Safety and Survival	0.8
*FST	115	Managing Co. Tact. Operations: Preparing (MCTO:P)	0.8
*FST	116	Building Construction Principles	0.8
*FST	117	Managing Co. Tact. Ops: Decision making (MCTO:D)	0.8
*FST	118W	Records and Reports	0.4
*FST	120W	Fire Service Educational Methodology	1
*FST	213	Managing Company Tactical Operations: Tactics (MCTO:T)	0.8
*FST	214	Arson Detection for the First Responder	0.8
*FST	215	Intro to Fire Inspections Principles & Practices (IFIPP)	2
*FST	216	Building Construction Non-Combustible/Fire Resistive	0.8
*FST	217	Fire Service Supervision: Personal Effectiveness	0.8
*FST	218	Fire Service Supervision: Team Effectiveness	0.8
*FST	220	Strategy & Tactics for Initial Company Officer	1
*FST	240	Internship in Fire Science	2
*FST	301	Incident Command System	1

APPROVED ELECTIVES (Cont'd) (See Notation #3)				
*FST	300W	**OR**	Fire Officer III **OR**	3
*FST	302	**&**	Leadership I Strategies for Company Success **AND**	(1)
*FST	303	**&**	Leadership II Strategies for Personal Success **AND**	(1)
*FST	304	**&**	Leadership III Strategies for Supervisory Success **AND**	(1)
*FST	305		Firefighter Health & Safety: Program Implementation & Mgmt.	(1)
*FST	306		Shaping the future	1
*FST	307		Incident Safety Officer	1
*FST	308		Health & Safety Officer	1
*FST	332W		Advanced Fire Administration	3
*FST	334W		Fire Prevention Organization and Management	4
*FST	338W		Contemporary Issues in Fire Service	3
MGT	153W		Introduction to Business	3
*MGT	243		Principles of Marketing	3
*MGT	265		International Business	3
*PHL	203W		Business Ethics	3
*QA	191		Quality Teamwork	1
*SPH	202W		Oral Communications for Managers	3

NOTATIONS:

* A "C" (2.0) minimum grade is required in each asterisked course.

1. Recommended Lifelong Wellness Activity (LWA) classes are LW 111, 172, 173 or 174.
2. The Fire Investigation/Prevention Option and Leadership & Training Option require both FST 104 and FST 230. Whichever of these two courses you do not take with the Core Courses needs to be taken with the option courses.
3. Approved Fire Science Technology (FST) electives can be any combination of required (non-elective) courses in the other options and those listed as approved electives.
4. FST 101 must be taken as core course unless student has completed FST 211.
5. File an application for an associate or dual degree and/or certificate with the Records and Registration office by mid-semester of the final semester of your course work. See current catalog for other graduation requirements.
6. DELTA COLLEGE RESERVES THE RIGHT TO MODIFY PROGRAM REQUIREMENTS.
7. If you plan to pursue an advanced degree, see current Delta College catalog for special transfer agreements.
8. Before being admitted to the Delta College Basic EMT sequence, you must provide evidence of completion of a recent physical exam. This exam confirms that you are free of communicable diseases, and capable of performing duties necessary for safe patient care. The minimum requirement to be licensed as a Michigan EMT is successful completion of the Delta College courses EMT 110, 111, 112, 102 with "C" minimum grades and the passing of the State of Michigan Basic EMT exam. Other students who are enrolled in the Fire Science program and hold a current EMT license may receive credit by presenting a copy to the Records & Registration office.

Fire Science

This associate degree program in Fire Science Technology is primarily designed to provide vocational and technical skills which will provide you with educational credentials for employment or promotional opportunities. Students graduating may enroll in the 3 + 1 BBA Fire administration Degree Program. Students may choose two of the options, which will appear on their degree. Students wishing more could complete a second degree with minimum of 24 additional credits

Fire Science Technology (Code AAS 25731) - Fire Science Technology is an applied science that embraces a wide range of knowledge leading to the control or prevention of fire and the handling of hazardous materials. This program is designed for the entering college student, the professional fire fighter and persons employed in a broad range of occupations related to fire science and safety. Technical competency prepares you for the managerial and leadership positions in municipal, industrial or business entities.

Emergency Medical Services (Code AAS 25732) - As an Emergency Medical Technician, you will provide basic emergency pre hospital care to patients involved in accidents, injuries, or sudden illness. Places of employment include fire and police departments, rescue operations, ambulance services, hospitals, and industrial sites.

Industrial/Commercial Security/Fire Safety (Code AAS 25733) - You will perform inspections of industrial and commercial buildings to detect fire and safety hazards, and make recommendations for improvements for loss prevention management. Your duties will include examining interiors and exteriors of industrial settings for violation of federal, state, and local requirements.

Fire Investigation/Prevention (Code AAS 25734) - As a fire inspector, you will be involved in education, enforcement, engineering, and fire investigation. Your work will involve fire safety education, inspecting and enforcing fire codes, plan review, testing of fire protection systems, maintaining exitways, inspecting flammable liquid storage, determining cause and origin of fires, and preserving evidence, and testifying in court cases.

Leadership & Training Group (Code AAS 25735) - You will provide the command and educational functions for Public or Private Entities. Responsibilities include all major functions at emergency scenes, training of personnel, safety and overall management of resources.

Fire Fighter Technician (Code AAS 25736) - As a fire fighter, you will respond to emergency calls, control and extinguish fires, mitigate hazards, protect life and property, and maintain equipment. You will be responsible for proper use and maintenance of equipment, educating the public, responding to emergencies, and developing pre-incident plans to protect the community against loss of life and property.

SOURCES OF ADDITIONAL INFORMATION

Delta College Counseling Center
D 102 - (989) 686-9330
http://www.delta.edu/counsel

Delta College Career Services
D 132 - (989) 686-9072
http://www.delta.edu/careerservices

Delta College Fire Science Technology Dept.
http://www.delta.edu/firesci
(989) 686-9020 – Room F39

National Fire Protection Association
Battery March Park
Quincy, MA 02269