

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Fire Science Technology
Associate in Applied Science Degree

Curriculum Code: 0123 (Effective Fall 2006 – Summer 2011)

This degree program provides students with three options to pursue a fire service career area. The first option, or subchoice, provides an individual with the flexibility to continue their educational process to a four-year fire science program. The National Fire Academy's intent is to align all two-year degree granting fire science programs with institutions that provide a four-year fire science degree. The second option follows a general fire service career path and meets the state standards of the Michigan Fire Fighter Training Council's Fire Fighter I and II certification process. This option consists of selective admissions to the Regional Fire Training Center at Lansing Community College. The third option enhances the promotional opportunities for the veteran fire service employee. Courses provide a versatile approach to fire service management. **Not all courses in this program transfer to all colleges.** Students planning to transfer should see an academic advisor or counselor before enrolling in any course.

PREREQUISITES

Students should see *Course Descriptions* or *Course Offerings* for course prerequisite information. See the *Assessment and Placement Testing* section for skills assessment and advising information.

INFORMATION

Contact the Public Service Careers Department, West Campus Building, Room M127, telephone number (517) 483-1570 or Counseling and Advising Centers, Gannon Vocational-Technical Center, Room 204, telephone number (517) 483-1904.

REQUIREMENTS

CODE	TITLE	TOTAL: 26 CREDITS CREDIT HOURS
FIRE104	Fire Behavior and Combustion	3
FIRE105	Fire/Hydraulics/Water Supply	4
FIRE110	Fire Prevention	3
FIRE112	Occupational Health & Safety/FireService	4
FIRE115	Building Construction/Fire Protection	4
FIRE125	Fire Protection Systems	4
FIRE150	Strategy and Tactics	4

LIMITED CHOICE REQUIREMENTS

TOTAL: 37-48 CREDITS

Complete the indicated number of credits from **EACH CHOICE** listed below.

CHOICE 1: General Education Core Areas

16-21 Credits

(See *General Education Core Requirements* for information on how to fulfill these requirements. Core area proficiency exams, where appropriate, are available for each core area.)

Communication Core Area	3-4
Global Perspectives and Diversity Core Area	3-4
Mathematics Core Area	3-4
Science Core Area (See Note 1)	4-5
Writing Core Area	3-4

CHOICE 2: Computer Related (See Note 2)	2–3 Credits
CITA110 Introduction to Microsoft Office	3
CITF103 Internet Basics	2
CITF110 Intro Computer Info Systems	3
CHOICE 3: Fire Specialty (Choose one subchoice)	19–24 Credits
Subchoice 3A: National Fire Academy Curriculum	
FIRE100 Principles of Emergency Services	3
FIRE122 Hazardous Materials Chemistry I	4
FIRE210 Fire Investigation I	4
FIRE215 Fire Investigation II	3
FIRE250 Fire Administration I	4
FIRE260 Legal Aspects/Fire Service	4
PFFT100 Total Fitness A (See Note 3)	2
Subchoice 3B: Fire Fighter (See Note 4)	
FIRE101 MI F.F.T.C. Basic Fire Level I	9
FIRE102 MI F.F.T.C. Basic Fire Level II	7
PFFT119 Fire Academy Fitness Training	3
Subchoice 3C: Fire Service Management	
FIRE100 Principles of Emergency Services	3
FIRE220 Hazardous Materials/Fire Service	4
FIRE245 Fire Officer I & II	4
FIRE250 Fire Administration I	4
FIRE255 Fire Officer III & IV	4
PFFT100 Total Fitness A (See Note 3)	2
MINIMUM TOTAL	63

NOTES:

1. Students should consult with the Fire Science Program advisor regarding the best Science Core Area course for their career goals.
2. Students with advanced computer skills may substitute a more challenging computer course with the approval from the Fire Science Program advisor.
3. PFFT101, 102 or 103 may be substituted.
4. This option includes the Fire Academy which is a selective admission program. Students must meet admission requirements beyond those required for admission to the college. Students with Michigan Fire Fighter I, or I and II certification may be eligible for credit equivalent to FIRE101 and/or FIRE102. Students should consult with a Fire Science program advisor regarding this segment of the program.

SUGGESTED COURSE SEQUENCE

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor or counselor for help with adjustments.

Subchoice 3A: National Fire Academy Curriculum

I	II	III	IV
FIRE100	FIRE150	FIRE105	FIRE122
FIRE104	FIRE210	FIRE112	FIRE125
FIRE110	PFFT100	FIRE215	FIRE250
FIRE115	Lim.Ch.1	FIRE260	Lim.Ch.1
Lim.Ch.1	Lim.Ch.1	Lim.Ch.1	Lim.Ch.2

Subchoice 3B: Fire Fighter

I	II	III	IV
FIRE101	FIRE104	FIRE105	FIRE112
FIRE102	Lim.Ch.1	FIRE110	FIRE125
PFFT119	Lim.Ch.1	FIRE115	FIRE150
	Lim.Ch.1	Lim.Ch.1	Lim.Ch.1
		Lim.Ch.2	

Subchoice 3C: Fire Service Management

I	II	III	IV
FIRE100	FIRE112	FIRE105	FIRE125
FIRE104	FIRE150	FIRE245	FIRE220
FIRE110	PFFT100	FIRE250	FIRE255
FIRE115	Lim.Ch.1	Lim.Ch.1	Lim.Ch.1
Lim.Ch.1	Lim.Ch.1	Lim.Ch.2	