

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Fire Science Technology  
Associate in Applied Science Degree

Curriculum Code: 0123 (Effective Fall 2016 – Summer 2021)

This degree program is accredited through the International Fire Service Accreditation Congress (IFSAC) and 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 requires department approval to enroll in 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 a Fire Science advisor before enrolling in any course.

### PREREQUISITES

Students should see [Course Descriptions](#) for course prerequisite information. See [Academic Assessment and Placement Testing for Student Success](#) for skills assessment and advising information.

### INFORMATION

Contact the Public Service Careers Program, West Campus Building, Room M127, telephone number (517) 483-1570 (Website: [www.lcc.edu/publicservice/fire\\_science/](http://www.lcc.edu/publicservice/fire_science/)).

### REQUIREMENTS (See Notes 1 and 2)

CODE	TITLE	TOTAL: 29 CREDITS CREDIT HOURS
FIRE 104	Fire Behavior & Combustion	3
FIRE 105	Fire/Hydraulics/Water Supply	4
FIRE 110	Fire Prevention	3
FIRE 112	Occup Health & Safety/Fire Svc	4
FIRE 115	Bldg Construction/Fire Protect	4
FIRE 125	Fire Protection Systems	4
FIRE 150	Strategy and Tactics	4
FIRE 270	Fire Service Career Developmnt	3

**LIMITED CHOICE REQUIREMENTS****TOTAL: 35–45 CREDITS**Complete the indicated number of credits from **EACH CHOICE** listed below.**CHOICE 1: [General Education Core Areas](#)****16–22 Credits**

(Click the link above 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 (See Note 4)	3–5
Science Core Area (See Note 3)	4–5
Writing Core Area	3–4

**CHOICE 2: Fire Specialty (Choose one Subchoice)****19–23 Credits****Subchoice 2A: National Fire Academy Curriculum (See Note 5)**

FIRE 100	Principles Emergency Services	4
FIRE 122	Hazardous Materials Chemistry	4
FIRE 210	Fire Investigation I	4
FIRE 215	Fire Investigation II	3
FIRE 250	Fire Administration I	4
FIRE 260	Legal Aspects/Fire Service	4

**Subchoice 2B: Fire Fighter (See Note 6)**

FIRE 101	MI F.F.T.C. Basic Fire Level I (See Note 7)	10
FIRE 102	MI F.F.T.C. Basic Fire Lev II (See Note 7)	6
PFFT 119	Fire Academy Fitness Training	3

**Subchoice 2C: Fire Service Management (See Note 5)**

FIRE 220	Hazardous Materials/Fire Svc	4
FIRE 245	Fire Officer I & II	4
FIRE 250	Fire Administration I	4
FIRE 255	Fire Officer III & IV	4
FIRE 265	Fire Service Blue Card	4

**MINIMUM TOTAL****64****NOTES:**

1. Students must complete all courses in this curriculum with a 2.0 minimum grade to receive this associate degree.
2. FIRE 280 or FIRE 285 may replace certain courses. Students must consult with the Fire Science program advisor regarding this process.
3. Students should consult with the Fire Science Program advisor regarding the best Science Core Area course for their career goals.

4. Students are recommended to take MATH 120 or higher for the Mathematics Core are which also satisfy the Michigan Transfer Agreement.
5. Students must have MI F.F.T.C. Fire Fighter I & II Certification to be eligible for this “Subchoice”. Interested students should consult with the Fire Science Program advisor before beginning this option.
6. This option includes the Fire Academy which requires departmental approval. For current admission requirements for this program, students must contact the Public Service Careers Office at the West Campus Building, Room M127, telephone number (517) 483–1570 (Website: [www.lcc.edu/publicservice/fire\\_science/](http://www.lcc.edu/publicservice/fire_science/)). Students with Michigan Fire Fighter I and II certification may be eligible for credit equivalent to FIRE 101 and FIRE 102. Students should consult with a Fire Science program advisor regarding this segment of the program.
7. This course has an Honors option. Please inform the instructor the first day of class if you are participating in the Honors 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 for help with adjustments.

#### Subchoice 2A: National Fire Academy Curriculum

I	II	III	IV
FIRE 100	FIRE 150	FIRE 105	FIRE 122
FIRE 104	FIRE 210	FIRE 112	FIRE 125
FIRE 110	Lim.Ch.1	FIRE 215	FIRE 250
FIRE 115	Lim.Ch.1	FIRE 260	FIRE 270
Lim.Ch.1	Lim.Ch.1	Lim.Ch.1	

#### Subchoice 2B: Fire Fighter

I	II	III	IV
FIRE 101	FIRE 104	FIRE 105	FIRE 112
FIRE 102	Lim.Ch.1	FIRE 110	FIRE 125
PFFT 119	Lim.Ch.1	FIRE 115	FIRE 150
	Lim.Ch.1	Lim.Ch.1	FIRE 270
	Lim.Ch.1		

#### Subchoice 2C: Fire Service Management

I	II	III	IV
FIRE 104	FIRE 112	FIRE 105	FIRE 125
FIRE 110	FIRE 150	FIRE 245	FIRE 220

FIRE 115  
Lim.Ch.1

Lim.Ch.1  
Lim.Ch.1

FIRE 250  
FIRE 265  
Lim.Ch.1

FIRE 255  
FIRE 270  
Lim.Ch.1