

LANSING COMMUNITY COLLEGE

Health & Public Services

Curriculum Code: 0123
(Effective Fall 2018 –
Summer 2023)

Fire Science Technology A.A.S. Pathways

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. Students in this program choose one pathway to determine the courses to take each semester. 1) National Fire Academy Curriculum pathway: This option provides an individual with the ability to continue their educational pursuit to a four-year fire science program. 2) Fire Fighter pathway: This 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. 3) Fire Service Management pathway: This 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.

For More Information

Visit the [Public Service Careers Program website](#), or in person at West Campus Building, Room M127, telephone number (517) 483-1570.

NATIONAL FIRE ACADEMY CURRICULUM PATHWAY

Semester I	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
FIRE 100	Principles Emergency Services	Reading Level 5 and Writing Level 4	4 / 4
FIRE 104	Fire Behavior & Combustion	Reading Level 5 and Writing Level 4	3 / 3
FIRE 110	Fire Prevention	Minimum 2.0 in (FIRE 100 or concurrently) or (FIRE 101 and FIRE 102) and Reading Level 5 and Writing Level 4	3 / 3
FIRE 112	Occup Health & Safety/ Fire Svc	Minimum 2.0 in (FIRE 104 or concurrently) and Reading Level 5 and Writing Level 4	4 / 4
FIRE 115	Bldg Construction/Fire Protect	Minimum 2.0 in ((FIRE 100 or concurrently) or (FIRE 101 and FIRE 102)) and Reading Level 5 and Writing Level 4	4 / 4
Credits			18 / 18

Semester II	Course Title	Prerequisites	Credit/Billing Hours
Math Core Area - <i>Select 1</i>			
MATH 119	Math - Applications for Living	(Minimum 2.0 in MATH 105 or MATH 106 or MATH 107 or Math Level 5) and Reading Level 5 and Writing Level 4	4 / 4
Writing Core Area - <i>Select 1</i>			
ENGL 124	Technical Writing	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
Science Core Area - <i>Select 1</i>			
BIOL 145	Intro Anatomy and Physiology	Reading Level 5 and Writing Level 6 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	4 / 6
Program of Study Requirements			
FIRE 105	Fire/Hydraulics/Water Supply	Reading Level 5 and Writing Level 4	4 / 4
FIRE 150	Strategy and Tactics	(Reading Level 5 and Writing Level 4) or (MI F.F.T.C. Fire Fighter I & II Certification) and Department Approval	4 / 4
Credits			19 / 21
Semester III	Course Title	Prerequisites	Credit/Billing Hours
Communication Core Area - <i>Select 1</i>			
COMM 130	Fund of Public Speaking	Reading Level 5 and Writing Level 6	3 / 3
Global Perspectives and Diversity Core Area - <i>Select 1</i>			
MGMT 234	Diversity in the Workplace	Reading Level 5 and Writing Level 6	3 / 3

Program of Study Requirements			
FIRE 122	Hazardous Materials Chemistry	Minimum 2.0 in ((FIRE 104 or concurrently) or (FIRE 101 and FIRE 102)) and Reading Level 5 and Writing Level 4	4 / 4
FIRE 210	Fire Investigation I	Minimum 2.0 in ((FIRE 104 or concurrently) or (FIRE 101 and FIRE 102)) and Department Approval	4 / 4
FIRE 250	Fire Administration I	(Minimum 2.0 in FIRE 150 or Michigan Office of Firefighter Training Fire Officer III) and Reading Level 5 and Writing Level 4	4 / 4
Credits			18 / 18
Semester IV	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
FIRE 125	Fire Protection Systems	Minimum 2.0 in (FIRE 105 or FIRE 110) and Reading Level 5 and Writing Level 4	4 / 4
FIRE 215	Fire Investigation II	Minimum 2.0 in FIRE 210 and Department Approval	3 / 3
FIRE 260	Legal Aspects/Fire Service	Minimum 2.0 in FIRE 104 or (FIRE 101 and FIRE 102) and Department Approval	4 / 4
FIRE 270	Fire Service Career Developmnt	Department Approval	3 / 3
Credits			14 / 14
Total Credits			69 / 71
FIRE FIGHTER PATHWAY			
Semester I	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
FIRE 101	MI F.F.T.C. Basic Fire Level I	Department Approval	10 / 14
FIRE 102	MI F.F.T.C. Basic Fire Lev II	Department Approval	6 / 8
PFFT 119	Fire Academy Fitness Training	Admission to Fire Academy	3 / 4
Credits			19 / 26

Semester II	Course Title	Prerequisites	Credit/Billing Hours
Communication Core Area - <i>Select 1</i>			
COMM 130	Fund of Public Speaking	Reading Level 5 and Writing Level 6	3 / 3
Science Core Area - <i>Select 1</i>			
BIOL 145	Intro Anatomy and Physiology	Reading Level 5 and Writing Level 6 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	4 / 6
Writing Core Area - <i>Select 1</i>			
ENGL 124	Technical Writing	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
Math Core Area - <i>Select 1</i>			
MATH 119	Math - Applications for Living	(Minimum 2.0 in MATH 105 or MATH 106 or MATH 107 or Math Level 5) and Reading Level 5 and Writing Level 4	4 / 4
Program of Study Requirements			
FIRE 105	Fire/Hydraulics/Water Supply	Reading Level 5 and Writing Level 4	4 / 4
Credits			18 / 20

Semester III	Course Title	Prerequisites	Credit/Billing Hours
Global Perspectives and Diversity Core Area - <i>Select 1</i>			
MGMT 234	Diversity in the Workplace	Reading Level 5 and Writing Level 6	3 / 3
Program of Study Requirements			
FIRE 104	Fire Behavior & Combustion	Reading Level 5 and Writing Level 4	3 / 3
FIRE 110	Fire Prevention	Minimum 2.0 in (FIRE 100 or concurrently) or (FIRE 101 and FIRE 102) and Reading Level 5 and Writing Level 4	3 / 3
FIRE 112	Occup Health & Safety/Fire Svc	Minimum 2.0 in (FIRE 104 or concurrently) and Reading Level 5 and Writing Level 4	4 / 4
FIRE 115	Bldg Construction/Fire Protect	Minimum 2.0 in ((FIRE 100 or concurrently) or (FIRE 101 and FIRE 102)) and Reading Level 5 and Writing Level 4	4 / 4
Credits			17 / 17
Semester IV	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
FIRE 125	Fire Protection Systems	Minimum 2.0 in (FIRE 105 or FIRE 110) and Reading Level 5 and Writing Level 4	4 / 4
FIRE 150	Strategy and Tactics	(Reading Level 5 and Writing Level 4) or (MI F.F.T.C. Fire Fighter I & II Certification) and Department Approval	4 / 4
FIRE 270	Fire Service Career Developmnt	Department Approval	3 / 3
Credits			11 / 11
Total Credits			65 / 74

FIRE SERVICE MANAGEMENT PATHWAY			
Semester I	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
FIRE 100	Principles Emergency Services	Reading Level 5 and Writing Level 4	4 / 4
FIRE 104	Fire Behavior & Combustion	Reading Level 5 and Writing Level 4	3 / 3
FIRE 110	Fire Prevention	Minimum 2.0 in (FIRE 100 or concurrently) or (FIRE 101 and FIRE 102) and Reading Level 5 and Writing Level 4	3 / 3
FIRE 112	Occup Health & Safety/Fire Svc	Minimum 2.0 in (FIRE 104 or concurrently) and Reading Level 5 and Writing Level 4	4 / 4
FIRE 115	Bldg Construction/Fire Protect	Minimum 2.0 in ((FIRE 100 or concurrently) or (FIRE 101 and FIRE 102)) and Reading Level 5 and Writing Level 4	4 / 4
Credits			18 / 18
Semester II	Course Title	Prerequisites	Credit/Billing Hours
Writing Core Area - <i>Select 1</i>			
ENGL 124	Technical Writing	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
Math Core Area - <i>Select 1</i>			
MATH 119	Math - Applications for Living	(Minimum 2.0 in MATH 105 or MATH 106 or MATH 107 or Math Level 5) and Reading Level 5 and Writing Level 4	4 / 4
Science Core Area - <i>Select 1</i>			
BIOL 145	Intro Anatomy and Physiology	Reading Level 5 and Writing Level 6 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	4 / 6

Program of Study Requirements			
FIRE 105	Fire/Hydraulics/Water Supply	Reading Level 5 and Writing Level 4	4 / 4
FIRE 150	Strategy and Tactics	(Reading Level 5 and Writing Level 4) or (MI F.F.T.C. Fire Fighter I & II Certification) and Department Approval	4 / 4
Credits			19 / 21
Semester III	Course Title	Prerequisites	Credit/Billing Hours
Communication Core Area - <i>Select 1</i>			
COMM 130	Fund of Public Speaking	Reading Level 5 and Writing Level 6	3 / 3
Global Perspectives and Diversity Core Area - <i>Select 1</i>			
MGMT 234	Diversity in the Workplace	Reading Level 5 and Writing Level 6	3 / 3
Program of Study Requirements			
FIRE 245	Fire Officer I & II	Department Approval	4 / 4
FIRE 250	Fire Administration I	Minimum 2.0 in (FIRE 150 or Michigan Office of Firefighter Training Fire Officer III) and Reading Level 5 and Writing Level 4	4 / 4
FIRE 265	Fire Service Blue Card	Department Approval	4 / 4.5
Credits			18 / 18.5

Semester IV	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
FIRE 125	Fire Protection Systems	Minimum 2.0 in (FIRE 105 or FIRE 110) and Reading Level 5 and Writing Level 4	4 / 4
FIRE 220	Hazardous Materials/Fire Svc	Minimum 2.0 in FIRE 104 or (FIRE 101 and FIRE 102) and Haz-Mat Operational Level Training and Department Approval	4 / 5
FIRE 255	Fire Officer III & IV	Minimum 2.0 in ((FIRE 245 and FIRE 250) or concurrently) and Department Approval	4 / 4
FIRE 270	Fire Service Career Developmnt	Department Approval	3 / 3
Credits			15 / 16
Total Credits			70 / 73.5