

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 subspecialty 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.

Additional Information

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.

Upon completion of a subspecialty, any additional subspecialty courses will not count toward the student's enrollment level for determining financial aid eligibility.

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 SUBSPECIALTY 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 SUBSPECIALTY 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 SUBSPECIALTY 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