

LANSING COMMUNITY COLLEGE

Health & Public Services

Curriculum Code:
0123 (Effective Fall
2017 – Summer
2022)

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.

NATIONAL FIRE ACADEMY CURRICULUM PATHWAY

Semester I	Course Title	Prerequisites	Credit/ Billing Hours
Writing Core Area - <i>Select 1</i>			
ENGL 121 <i>(formerly WRIT 121)</i>	Composition I	Reading Level 5 and Writing Level 6	4 / 4
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 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
Communication Core Area - <i>Select 1</i>			
COMM 110 <i>(formerly SPCH 110)</i>	Oral Comm in the Workplace	(Reading Level 5 and Writing Level 6) or AASD 104 concurrently	3 / 3
Global Perspectives and Diversity Core Area - <i>Select 1</i>			
SOCL 120	Introduction to Sociology	Reading Level 5 or AASD 105 concurrently	4 / 4
Science Core Area - <i>Select 1</i>			
BIOL 120	Environmental Science	(Reading Level 5 or AASD 105 concurrently) and Writing Level 6	4 / 6
Program of Study Requirements			
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 210	Fire Investigation I	Minimum 2.0 in (FIRE 104 or concurrently) or (FIRE 101 and FIRE 102) and Department Approval	4 / 4
Credits			19 / 21
Semester III	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
MATH 120	College Algebra	(Minimum 2.0 in MATH 109 or MATH 112 within 2 years or Math Level 6 within 2 years) 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
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 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
Credits			19 / 19
Semester IV	Course Title	Prerequisites	Credit/ Billing Hours
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 125	Fire Protection Systems	Minimum 2.0 in (FIRE 105 or FIRE 110) and Reading Level 5 and Writing Level 4	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 270	Fire Service Career Developmnt	Department Approval	3 / 3
Credits			15 / 15
Total Credits			71 / 73

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 110 <i>(formerly SPCH 110)</i>	Oral Comm in the Workplace	(Reading Level 5 and Writing Level 6) or AASD 104 concurrently	3 / 3
Global Perspectives and Diversity Core Area - <i>Select 1</i>			
SOCL 120	Introduction to Sociology	Reading Level 5 or AASD 105 concurrently	4 / 4
Science Core Area - <i>Select 1</i>			
BIOL 120	Environmental Science	(Reading Level 5 or AASD 105 concurrently) and Writing Level 6	4 / 6
Writing Core Area - <i>Select 1</i>			
ENGL 121 <i>(formerly WRIT 121)</i>	Composition I	Reading Level 5 and Writing Level 6	4 / 4
Program of Study Requirements			
FIRE 104	Fire Behavior & Combustion	Reading Level 5 and Writing Level 4	3 / 3
Credits			18 / 20

Semester III	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
MATH 120	College Algebra	(Minimum 2.0 in MATH 109 or MATH 112 within 2 years or Math Level 6 within 2 years) 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
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 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			15 / 15
Semester IV	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
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 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 Required	3 / 3
Credits			15 / 15
Total Credits			67 / 76

FIRE SERVICE MANAGEMENT PATHWAY			
Semester I	Course Title	Prerequisites	Credit/ Billing Hours
Writing Core Area - <i>Select 1</i>			
ENGL 121 <i>(formerly WRIT 121)</i>	Composition I	Reading Level 5 and Writing Level 6	4 / 4
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 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			14 / 14
Semester II	Course Title	Prerequisites	Credit/Billing Hours
Communication Core Area - <i>Select 1</i>			
COMM 110 <i>(formerly SPCH 110)</i>	Oral Comm in the Workplace	(Reading Level 5 and Writing Level 6) or AASD 104 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
MATH 120	College Algebra	(Minimum 2.0 in MATH 109 or MATH 112 within 2 years or Math Level 6 within 2 years) and Reading Level 5 and Writing Level 4	4 / 4

Program of Study Requirements			
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 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			15 / 15
Semester III	Course Title	Prerequisites	Credit/Billing Hours
Science Core Area - <i>Select 1</i>			
BIOL 120	Environmental Science	(Reading Level 5 or AASD 105 concurrently) and Writing Level 6	4 / 6
Program of Study Requirements			
FIRE 105	Fire/Hydraulics/Water Supply	Reading Level 5 and Writing Level 4	4 / 4
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			20 / 22.5
Semester IV	Course Title	Prerequisites	Credit/Billing Hours
Global Perspectives and Diversity Core Area - <i>Select 1</i>			
SOCL 120	Introduction to Sociology	Reading Level 5 or AASD 105 concurrently	4 / 4

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			19 / 20
Total Credits			68 / 71.5