



Fire Science/Basic EMT A.A.S.

Career Community: PublicService Careers

Curriculum Code: 1057

Effective: Fall 2024– Summer 2029

Description

This degree curriculum is accredited through the International Fire Service Accreditation Congress and is for students who wish to combine fire service and emergency medical service education and training into a single degree program. This degree choice will expedite the career path of those students interested in a career within public or private agencies that require credentials in both the fire and emergency medical services fields. Students will complete certifications for Fire Fighter I & II, Basic Emergency Medical Technician, Hazardous Materials Operations, Wildland Fire Fighter II, NIMS 100 and 200, Vehicle Extrication, and Advanced Vehicle Stabilization. The fire science segment meets the state standards of the Michigan Fire Fighter Training Council's Fire Fighter I and II certification process and requires department approval to enroll in the Regional Fire Training Center at Lansing Community College. Basic EMT courses are approved by the Michigan Department of Consumer and Industry Services. An EMT Academy option is available to students. Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

Milestone

In addition to the required General Education courses in Math and English, completion of FIRE 100 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in these courses is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in these courses.

Contact Information

For further information, including career options, course substitutions and waivers, etc., contact the PublicService Careers Program at the West Campus Building, Room M127, telephone number 517-483-1570.

General Education - Applied Degree, Recommended Choices

(For the full list of options, see [General Education](#))

- English Composition – *Select one*
Career Community Courses meet this requirement.
- English Composition (second course)/Communication or Applied Communication – *Select one*
Career Community Courses meet this requirement.
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences – *Select one*
Career Community Courses meet this requirement.
- Mathematics or Applied Mathematics – *Select one*
Career Community Courses meet this requirement.

- Natural Sciences Lab or Applied Science and Technology Lab – *Select one* Program of Study Required Courses meet this requirement.

Career Community Courses

These courses are required for all Public Service Career programs (Criminal Justice and Fire). They should be taken before other Program Required or Limited Choice Courses. Some courses meet General Education requirements for MTA. A minimum of 2.0 is required to meet LCC degree requirements for General Education courses and for all courses to transfer to other colleges (some colleges, and some programs within colleges, require a higher grade in a course).

Course Code	Course Title	Credit / Billing Hours
ACAD 100	First-Year Experience	1 / 1
CJUS 101 or CJUS 131 or FIRE 100	Intro to Criminal Justice Introduction to Corrections Principles Emergency Services	3 / 3 3 / 3 4 / 4
COMM 120 or COMM 130 or ENGL 122 or ENGL 132	Dynamics of Communication Fundamentals Public Speaking Composition II Honors Composition II	3 / 3 3 / 3 4 / 4 4 / 4
ENGL 121 or ENGL 131	Composition I Honors Composition I	4 / 4 4 / 4
MATH 119 or MATH 120 or STAT 170	Math – Applications for Living College Algebra Introduction to Statistics	4 / 4 4 / 4 4 / 4
MGMT 234 or PSYC 200 or SOCL 120	Diversity in the Workplace Introduction to Psychology Introduction to Sociology	3 / 3 4 / 4 4 / 4

Notes:

ACAD 100 may be waived when students meet one of the following College-approved waiver criteria:

- Completion of 12 college-level credits with minimum grades of 2.0 shown on the LCC transcript (including transfer, if applicable), or
- Employment in the field of, or a field related to, the degree being sought, or
- For Health Careers students, successful completion of CHSE 100.

Students wishing to waive ACAD 100 should contact their advisor.

For Fire Science/Basic EMT, choose FIRE 100.

Students considering future transfer, choose PSYC 200 or SOCL 120.

Program of Study Required Courses

Course Code	Course Title	Credit/ Billing Hours
EMTA 101	Basic EMT I	4 / 4
EMTA 102	Basic EMT II	2 / 4
EMTA 103	Basic EMT III	4 / 4
EMTA 104	Basic EMT IV	2 / 4
EMTA 112	Basic EMT Clinical	4 / 4
FIRE 100	Principles Emergency Services	4 / 4
FIRE 101	MI F.F.T.C. Basic Fire Level I	10 / 14
FIRE 102	MI F.F.T.C. Basic Fire Lev II	6 / 8
FIRE 104	Fire Behavior & Combustion	3 / 3
FIRE 112	Occup Health & Safety/Fire Svc	4 / 4
FIRE 270	Fire Service Career Developmnt	3 / 3
PFFT 119	Fire Academy Fitness Training	3 / 4

Note: Students who have already completed FIRE 100 as part of the Career Community, do not repeat enrollment.

Program of Study Required Courses, Limited Choice – Natural Science or Applied Science and Technology Lab – *Select one as indicated for each major and/or transfer institution. If a specific course is not indicated in the notes below, choose any recommended course or choose from [General Education Applied Degrees: Natural Science or Applied Science and Technology Lab](#)*

Course Code	Course Title	Credit/ Billing Hours
ANTH 280	Forensic Anthropology	3 / 3
BIOL 120	Environmental Science	4 / 6

Note: BIOL 120 is recommended. Students not transferring can take ANTH 280 as their Science course.

Additional Credits

After completing the course and credit requirements as noted on this pathway, students who fall short of the 60-credit minimum required for an Associate Degree may select any course(s) needed to reach 60 credits, except those courses noted in number 7 in the [Institutional Requirements for Associate Degrees](#). Students are encouraged to use Degree Works and meet with an Advisor to ensure all requirements are met and for course recommendations.

Minimum Total Credit Hours

66 credits / 77 billing hours

Recommended Course Sequence

Semester I
ACAD 100
FIRE 101
FIRE 102
PFFT 119

Semester II
EMTA 101
EMTA 102
EMTA 103
EMTA 104
EMTA 112

Semester III
ENGL 121 or ENGL 131
FIRE 100 – Milestone course
FIRE 112
MATH 119 or MATH 120 or STAT 170
Limited Choice – Natural Science or Applied Science and Technology Lab

Semester IV
COMM 120 or COMM 130 or ENGL 122 or ENGL 132
FIRE 104
FIRE 270
MGMT 234 or PSYC 200 or SOCL 120

LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree title changes, and make course changes as needed, without prior notice.