



Fire Science/Basic EMT A.A.S.

Career Community: PublicService Careers

Curriculum Code: 1057

Effective: Fall 2025– Summer 2030

Purpose of the Major

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.

Major Required Courses - *Some courses meet General Education requirements for MTA. A minimum grade 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 |
| 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 |
| EMTA 121 | EMT Medical Trauma | 6 / 6 |

| Course Code | Course Title | Credit / Billing Hours |
|--|---|-------------------------|
| EMTA 122 | EMT Skills | 3.5 / 6.75 |
| EMTA 125 | EMT Clinical | 2.25 / 2.25 |
| ENGL 121 or ENGL 131 | Composition I Honors Composition I | 4 / 4 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 |
| 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 |
| PFFT 119 | Fire Academy Fitness Training | 3 / 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.

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

Major Required Courses, Limited Choice – Natural Sciences or Applied Sciences and Technology Lab—Select one lab course 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 Sciences or Applied Sciences and Technology Lab](#). A minimum grade of 2.0 is required for General Education courses.

| Course Code | Course Title | Credit / Billing Hours |
|-------------|--------------------------------|------------------------|
| ANTH 280 | Forensic Anthropology | 3 / 3 |
| BIOL 120 | Environmental Science | 4 / 6 |
| BIOL 121 | Biol Foundation for Physiology | 4 / 6 |
| BIOL 145 | Intro Anatomy and Physiology | 4 / 6 |

Note: BIOL 145 is recommended.

General Education - Applied Degree

- English Composition
Major Required Courses meet this requirement.
- English Composition (second course)/Communication or Applied Communication
Major Required Courses meet this requirement.
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences
Major Required Courses meet this requirement.
- Mathematics or Applied Mathematics
Major Required Courses meet this requirement.
- Natural Sciences Lab or Applied Sciences and Technology Lab
Major Required Limited Choice Courses meet this requirement.

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

61.75 credits / 72 billing hours

Recommended Course Sequence

| Semester I |
|------------|
| ACAD 100 |
| FIRE 101 |
| FIRE 102 |
| PFFT 119 |

| Semester II |
|-------------|
| EMTA 121 |
| EMTA 122 |
| EMTA 125 |

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

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|--|
| 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.