



Emergency Medical Services A.A.S.

Career Community: Health Careers

Curriculum Code: 0276

Effective: Fall 2025 – Summer 2030

Purpose of the Major

Basic Emergency Medical Technicians are members of the health care team in the pre-hospital emergency care setting. EMT personnel staff ambulances and are employed in hospitals, industry, and other public service agencies. They are expected to respond rapidly and effectively to many forms of trauma and medical emergencies and work in close contact with emergency physicians. Paramedics are employed by advanced life support agencies and in emergency departments and critical care units of hospitals. The job is often fast-paced and always challenging. State licensing is required at both levels.

Milestone

In addition to the required General Education courses in Math and English, completion of EMTA 121 and EMTA 122 with a 3.0 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.

Additional Information

All Emergency Medical Services courses are approved by the Michigan Department of Health and Human Services. The Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs, 25400 US Highway 19 North, Suite 158, Clearwater, FL 33756, in conjunction with the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions.

Students completing this degree are also eligible for the Basic Emergency Medical Technician Certificate of Completion, refer to the Basic Emergency Medical Technician C.C. pathway, Curriculum Code 1853; and, the Paramedic Certificate of Achievement, refer to the Paramedic C.A. pathway, Curriculum Code 0272. Advising guides and current information regarding Basic Emergency Medical Technician and Paramedic program requirements are available through the [LCC EMS webpage](#).

The Paramedic program approval and/or graduation requirements may change each academic year. The program requirements below apply only to those students who begin the program during the 2025/2026 academic year. For the most current information, interested students should contact the Emergency Medical Services program in the Health and Human Services Building, Room 108, telephone number 517-483-1410, or the Academic Advising Department, Gannon Building – StarZone, telephone number 517-483-1904.

To graduate from this program, students must complete the BIOL course(s) and PARA 221, 231, 241, 251, and 261 with a minimum grade of 2.5, and all other PARA courses and all EMTA courses with a minimum grade of 3.0. A minimum grade of 2.0 is required in all other courses.

Contact Information

For further information, including career options, course substitutions and waivers, etc., contact the Emergency Medical Services program, Health and Human Services Building, Room 108, telephone number 517-483-1410, or the Academic Advising Department, Gannon Building–StarZone, telephone number 517-483-1904.

Major Required Courses for Admission, Limited Choice—*Select BIOL 145 or, BIOL 201 and BIOL 202. Minimum 2.5 grade required. This course will satisfy the General Education Natural Sciences Lab or Applied Science and Technology Lab requirement.*

Course Code	Course Title	Credit / Billing Hours
BIOL 145	Intro Anatomy and Physiology	4 / 6
BIOL 201 and 202	Human Anatomy and Human Physiology	8 / 11

Major Required Courses—*PARA 221, PARA 231, PARA 241, PARA 251, and PARA 261 minimum 2.5 grade required; all other PARA and all EMTA courses minimum 3.0 grade required. PFHW 163 minimum 2.0 grade required.*

Course Code	Course Title	Credit / Billing Hours
EMTA 121	EMT Medical Trauma	6 / 6
EMTA 122	EMT Skills	3.5 / 6.75
EMTA 125	EMT Clinical	2.25 / 2.25
PARA 221	Paramedic Medical Trauma I	3.75 / 3.75
PARA 222	Paramedic Medical Trauma II	4 / 4
PARA 231	Paramedic Cardiology I	2.5 / 2.5
PARA 232	Paramedic Cardiology II	2.5 / 2.5
PARA 241	Paramedic Pharmacology I	2.5 / 2.5
PARA 242	Paramedic Pharmacology II	2.5 / 2.5
PARA 251	Paramedic Skills I	2.5 / 7.5
PARA 252	Paramedic Skills II	2.5 / 7.5
PARA 261	Paramedic Clinical I	2.5 / 4
PARA 262	Paramedic Clinical II	2.75 / 4
PARA 263	Paramedic Internship	4 / 4
PFHW 163	Healthy Lifestyles	2 / 3

General Education – Applied Degrees, Recommended Courses

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

- English Composition or Applied English— *Select one.*
ENGL 121, Composition I, 4 credits / 4 billing hours
ENGL 124, Technical Writing, 3 credits / 3 billing hours
ENGL 127, Business Writing, 3 credits / 3 billing hours
ENGL 131, Honors Composition I, 4 credits / 4 billing hours
- English Composition (second course)/Communication or Applied Communication— *Select one.*
COMM 110, Communication in the Workplace, 3 credits / 3 billing hours
COMM 120, Dynamics of Communication, 3 credits / 3 billing hours
COMM 130, Fundamentals Public Speaking, 3 credits / 3 billing hours
ENGL 122, Composition II, 4 credits / 4 billing hours

- Humanities and Fine Arts or Social Sciences or Applied Social Sciences – *Select one.*
COMM 280, Intercultural Communication, 3 credits / 3 billing hours
MGMT 234, Diversity in the Workplace, 3 credits / 3 billing hours
PSYC 200, Introduction to Psychology, 4 credits / 4 billing hours
SOCL 120, Introduction to Sociology, 4 credits / 4 billing hours
- Mathematics or Applied Mathematics – *Select one.*
MATH 119, Math – Applications for Living, 4 credits / 4 billing hours
MATH 120, College Algebra, 4 credits / 4 billing hours
MATH 126, Precalculus, 5 credits / 5 billing hours
- Natural Sciences Lab or Applied Sciences and Technology Lab
Major Required Courses for Admission will 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

62.75 credits / 81.75 billing hours

Recommended Course Sequence

Semester I
Gen Ed – English Composition or Applied English
Gen Ed – Mathematics or Applied Mathematics
BIOL 145 or (BIOL 201 and 202)

Semester II
Gen Ed - Humanities and Fine Arts or Social Sciences or Applied Social Sciences
Gen Ed – English Comp (second course)/ Communication or Applied Communication
PFHW 163

Required Course Sequence

Semester III (Spring)
EMTA 121 – Milestone course
EMTA 122 – Milestone course
EMTA 125

Semester IV (Fall)
PARA 221
PARA 231
PARA 241
PARA 251
PARA 261

Semester V (Spring)
PARA 222
PARA 232
PARA 242
PARA 252
PARA 262
Semester VI (Summer)
PARA 263

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 titles, and make course changes as needed, without prior notice. The College also reserves the right to discontinue programs when warranted.