



Emergency Medicine (EMT)

The Emergency Medicine program of study focuses on occupational and educational opportunities associated with providing basic emergency care and life support. The program of study includes coursework and hands-on experiences.



Courses for High School Credit

Level 1	• Principles of Health Science
Level 2	• Medical Terminology
Level 3	• Anatomy and Physiology • Health Science Theory • Health Science Clinicals
Level 4	• Practicum in Health Science- EMT

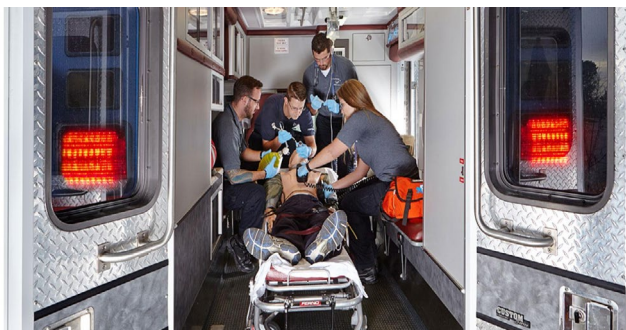
Aligned Industry-Based Certifications

- Certified EKG Technician
- Emergency Medical Technician- Basic

Work-Based Learning and

Expanded Learning Opportunities

Work-Based Learning Activities	• Participate in job shadowing experiences such as Emergency Medical Services (EMS) ride along or hospital/clinical job
Expanded Learning Opportunities	• Participate in Health Occupation Students of America (HOSA) or SkillsUSA • Participate in Advanced Medical Ambulance Bus (AMBUS) event or Community Emergency Response Team (CERT) event



Example Postsecondary Opportunities

Apprenticeships

- Emergency Care Attendant (ECA)



Associate Degrees

- Emergency Medical Technology- Paramedic

Bachelor's Degrees

- Emergency Medical Technology

Master's, Doctoral, and Professional Degrees

- Medicine

Additional Stackable IBCs/License

- Advanced EMT

Example Aligned Occupations

(Based on statewide employment data)



Emergency Medical Technicians

Median Wage: \$31,243
Annual Openings: 1,177
10-Year Growth: 2.2%

Paramedic

Median Wage: \$52,049
Annual Openings: 616
10-Year Growth: 2%

Emergency Medicine Physician

Median Wage: \$209,998
Annual Openings: N/A
10-Year Growth: 4%

Successful completion of the Emergency Medicine (EMT) program of study will fulfill requirements of the Public Services endorsement.





Emergency Medicine (EMT) Course Descriptions:

Principles of Health Science- HLT2000 (1 Credit)

Level: 1
Course Fee: \$15
Prerequisite: None
GPA Weight: Regular

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

Medical Terminology- HLT1000MT (1 Credit)

Level: 2
Course Fee: None
Prerequisite: None
GPA Weight: Regular

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Health Science Theory- HLT3100 (1 Credit)

Level: 3
Course Fee: \$15
Prerequisite: Biology and 1
Additional Health Science
Course
GPA Weight: Regular

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

Health Science Clinicals- HLT2110 (2 Credits)

Level: 3
Course Fee: \$100 + Uniform
Prerequisite: Biology and 1
Additional Health Science
Course
GPA Weight: Regular

The Health Science Clinical course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Districts are encouraged to offer this course in a consecutive block with Health Science Theory to allow students sufficient time to master the content of both courses.

Anatomy and Physiology- SCI4240(D) (1 Credit)

Level: 3
Course Fee: \$15
Prerequisite: Biology and
Chemistry, IPC, or Physics
GPA Weight: Regular or
Advanced

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. **Note: This course satisfies a science credit requirement for students on the Foundation High School Program.**

Available for Dual Credit from Lone Star College (BIOL2401, 2)

Practicum in EMT- HLT3320 (2 Credits)

Level: 4
Course Fee: \$75 + Uniform
Prerequisite: Health
+ Immunization Fees
Science Theory/Clinicals,
GPA Weight: Regular
Biology, and 1 Additional
Health Science Course

The Practicum in Emergency Medicine course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

