



Health Science Career Cluster

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Program of Study: Health Science: Emergency Medical Technician (EMT)

The Health Science: Emergency Medical Technician (EMT) program of study prepares students for careers in emergency medicine through training in trauma assessment, patient care, and treatment of medical emergencies. Seniors who complete coursework, clinicals, and pass the National Registry exam may qualify to work as EMTs immediately after high school. Limited seats are available.

Secondary Courses for High School Credit

9th Grade	Medical Terminology
10th Grade	Health Science Theory
11th Grade	- Anatomy & Physiology - Pathophysiology
12th Grade	- Practicum in Health Science: Emergency Medical Technician (EMT) - Practicum in Health Science: Patient Care Technician (PCT) - Practicum in Health Science: Clinical Medical Assistant (CMA)
Optional Electives	- Medical Microbiology - Pharmacology

Course Costs

Fees ≈ \$460

Includes: Uniform, Drug Screen, TB Test, EMT Exam, Liability Insurance, and Fingerprinting.

Internship and Practicum Opportunities

Students have the opportunity to gain hands-on experience in a variety of different healthcare settings. There are numerous internship opportunities including the following: **Keller Fire Department, Denton Fire Department, and more.**

Career and Technical Student Organization (CTSO)

HOSA

Health Occupation
Students of America

Career & Technical Student Organizations (CTSOs) are student-led organizations that build leadership, career skills, and real-world experience through competitions, networking, and hands-on learning.

Aligned Industry-Based Certifications

- Certified Patient Care Technician
- Emergency Medical Technician
- Certified Medical Assistant



Example Postsecondary Opportunities

Apprenticeships

- Medical Assistant

Associate Degrees

- Emergency Medical Technology
- Radiologic Technology/Science

Bachelor's Degrees

- Emergency Medical Technology
- Medical Insurance Coding

Master's, Doctoral, and Professional Degrees

- Medicine
- Occupational Therapy

Additional Stackable IBCs/License

- Registered Diagnostic Medical Sonographer



Example Aligned Occupations

EMT

Median Wage: \$29,120
Annual Openings: 1,177
10-Year Growth: 24%

Paramedic

Median Wage: \$67,500
Annual Openings: 616
10-Year Growth: 23%

Firefighter/Paramedic

Median Wage: \$87,594
Annual Openings: 2,235
10-Year Growth: 11%

