

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.

Emergency Medical Technician



The EMT program focuses on extensive training for the Emergency Medical Technician (EMT) certification and training to administer electrocardiograms. Students attend classroom instruction as well as complete clinical hours in an emergency room setting and on ambulance ride-outs. Students will have the opportunity to obtain the National Registry Emergency Medical Technician (EMT) certification.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science

Level 2

- Medical Terminology

Level 3

- Anatomy and Physiology (H)
- Health Science Theory

Level 4

- Practicum in Health Science I – General Healthcare (H) ¹
- Practicum in Health Science II – Emergency Medical Technician (H) ²



Postsecondary Opportunities

Associates Degrees

- Medical/Clinical Assistant
- Emergency Medical Technology/Technician (EMT Paramedic)

Bachelor's Degrees

- Emergency Medical Technology/Technician (EMT Paramedic)

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Health Occupation Students of America (HOSA)

Work-Based Learning Activities

- Intern at a local hospital, fire department and/or ambulance company

Industry-Based Certifications

- Certified Patient Care Technician (CPCT) ¹
- Emergency Medical Technician – Basic ²

Aligned Advanced Academic Courses

- AP Biology
- AP Chemistry



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Paramedic	\$50,700	1,600	19%
Emergency Medical Technician	\$35,600	1,600	19%

Successful completion of the Emergency Medical Technician program of study will fulfill requirements of a Public Service endorsement. Revised – May 2024

Emergency Medical Technician Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Principles of Health Science	13020200 (1 credit)	None	9

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Medical Terminology	13020300 (1 credit)	None	10

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Health Science Theory	13020400 (1 credit)	Biology & Principles of Health Science	10
Anatomy and Physiology (H)	13020600 (1 credit)	Biology & Chemistry	11 - 12

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Practicum in Health Science I – General Healthcare (H)	13020500 (2 credits)	Health Science Theory	11
Practicum in Health Science II – Emergency Medical Technician (H)	13020510 (2 credits)	Practicum in Health Science I – General Healthcare (H)	12

FOR ADDITIONAL INFORMATION ON THE HEALTH SCIENCE CAREER CLUSTER,
PLEASE CONTACT YOUR CAMPUS CTE COUNSELOR
<https://tea.texas.gov/cte>

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[Notification of Nondiscrimination in Career and Technical Education Programs.](#)