



# Medical Therapy Program of Study

Prepare for your future in healthcare by gaining hands on experience in a variety of specialized programs. Earn entry-level certifications and enhance career readiness after graduation.

## RECOMMENDED COURSE SEQUENCE

**1** Principles of Health Science (1 credit) (9<sup>th</sup> Grade)  
Explore therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry. Prepare for study in multiple pathways within Health Science Technology.

**2** Medical Terminology (1 credit) (10<sup>th</sup> Grade)  
Study medical terms including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. Develop comprehension of vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

**3** World Health Theory\* (HCTC) (2 credits) (11<sup>th</sup> Grade)  
Examine major world health problems and emerging technologies as solutions to those medical concerns. Improve your understanding of cultural, infrastructural, political, educational, and

OR

**3** Sports Medicine\* (HCTC) (2 credits) (11<sup>th</sup> Grade)  
Identify methods for prevention, recognition, treatment and rehabilitation of athletic injuries and illness. Develop practical skills such as taping techniques, bracing, splinting, and First Aid/CPR.

**4** Practicum in HST\* (HCTC) (2 credits) (12<sup>th</sup> Grade)  
**Patient Care Technician**  
Prepare to work alongside doctors, nurses, and other health care professionals. Students will have the opportunity to sit for the ECG, Phlebotomy and PCT certification exams.

**4** Practicum in HST\* (HCTC) (2 credits) (12<sup>th</sup> Grade)  
**EMT**  
Think critically to develop skills needed to deliver emergency prehospital care. Students will have the opportunity to partner with TCC to complete the clinical portion of training prior to certification.

**4** Practicum in HST\* (HCTC) (2 credits) (12<sup>th</sup> Grade)  
**ECG/Phlebotomy**  
Develop the skills needed to read and interpret ECG patterns. Acquire technical skills needed for blood draw and venipuncture. Students will have the opportunity to sit for the ECG and Phlebotomy certification exams.

**4** Practicum in HST\* (HCTC) (2 credits) (12<sup>th</sup> Grade)  
**Pharmacy Technician**  
Practice the skills needed for an entry-level position in the pharmacy field or related area. Students will have the opportunity to sit for the PTCE certification exam.

*For more information about CTE Course requirements, view our EMS ISD Course Description Handbook.*

\*Indicates a TEA approved Advanced CTE Course