



# Health Science Diagnostic and Therapeutic Services Program of Study <sup>B</sup>

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 Sports Medicine\* (HCTC) (2 credits) (11<sup>th</sup> Grade)**  
Learn how to recognize, treat, and rehabilitate athletic injuries. Students will learn musculoskeletal anatomy, injury evaluation, and prehospital management of athletic injuries. 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) (CHOOSE ONE)**  
**Patient Care Technician**  
Prepare to work alongside doctors, nurses, and other healthcare professionals.  
**EMR**  
Prepare the skills needed to deliver emergency prehospital care.  
**Pharmacy Technician**  
Prepare for entry-level positions in the pharmacy field.

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

*\*Indicates a TEA approved Advanced CTE Course*