



Healthcare Therapeutic 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) (9th 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) (10th 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) (11th 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.

OR

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

OR

4 Practicum in HST* (HCTC) (2 credits) (12th 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.
ECG/Phlebotomy
Learn to read and interpret ECT patterns and draw blood.
Pharmacy Technician
Prepare for entry-level positions in the pharmacy field.

4 Biomedical Research* (HCTC) (2 credits) (12th Grade)
Apply advanced academic knowledge and skills to the emerging field of biomedical research. Conduct laboratory investigations using the scientific method. Make informed decisions using critical thinking and problem-solving skills. Explore the microbial world by studying pathogens, microorganisms, and emerging diseases.

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

*Indicates a TEA approved Advanced CTE Course