

# Healthcare Therapeutic Program of Study B

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

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.

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.

Anatomy and Physiology\* (1 credit)
(11th - 12th Grade)

A comprehensive study of the structures and functions of the human body. This course includes dissections, study of the organization of organs and organ systems, and application of the scientific

Pathophysiology\* (1 credit) (11th - 12th Grade)

Conduct laboratory investigations and fieldwork use scientific methods and make informed decisions using critical thinking and problem solving. Study disease processes and the effect on humans with an emphasis on the prevention and treatment of disease.

## Health Science Theory\* (HCTC) (2 credits) (12th Grade) (CHOOSE ONE)

#### **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.

#### **Sports Medicine**

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.

#### **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.

#### 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.

#### **EMR**

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.

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

<sup>\*</sup>Indicates a TEA approved Advanced CTE Course