

# Pharmacy Pathway



## PUBLIC SERVICE ENDORSEMENT

Required Level 1	Level 2	Level 3	Level 4
Principles of Health Science	Medical Terminology	Pharmacology	Practicum in Health Science – Certified Pharmacy Technician

- AND -

Health Science Theory

CERTIFICATION: Certified Pharmacy Technician

### PRINCIPLES OF HEALTH SCIENCE

**KISD #:** 927018 **PEIMS:** 13020200  
**Grades:** 9-10 **1.0 Credit**  
**Prerequisite:** Biology I or Concurrent Enrollment

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

**Industry Certification:** CPR

### MEDICAL TERMINOLOGY

**KISD #:** 927818 **PEIMS:** 13020300  
**Grades:** 10-11 **1.0 Credit**  
**Prerequisite:** Principles of Health Science  
**Note:** Principles of Health Science may be taken concurrently for students in grades 10-11

Students will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

### HEALTH SCIENCE THEORY

**KISD #:** 926318 **PEIMS:** 13020400  
**Grades:** 11-12 **1.0 Credit**  
**Prerequisite:** Principles of Health Science and Medical Terminology  
**Recommended Prerequisite:** Anatomy and Physiology  
**Note:** 11<sup>th</sup> graders may take Medical Terminology and Health Science Theory concurrently

Students will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the health care profession. Instruction in this course will be classroom based.

### PHARMACOLOGY

**KISD #:** 926718 **PEIMS:** 13020950  
**Grades:** 11-12 **1.0 Credit**  
**Prerequisite:** Principles of Health Science  
**Recommended Prerequisite:** Medical Terminology

Students will study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers.

**PRACTICUM IN HEALTH SCIENCE**  
**CERTIFIED PHARMACY TECHNICIAN**

**KISD #:** 927718      **PEIMS:** 13020500  
**Grades:** 12      **2.0 Credits**  
**Prerequisite:**      **Health Science Theory and**  
                                 **Pharmacology**

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Students will gain knowledge and skills for certification as a Certified Pharmacy Technician. Course is comprised of classroom instruction, lab applications, and independent study. Students will learn federal and state law pertaining to the pharmacy industry, drug classifications, medical terminology, ethical and legal issues, safety, aseptic technique, calculations, career opportunities, and pharmacy operations. Upon successful completion of the course, students will be eligible to test for the national Certified Pharmacy Technician certification. The student must provide proof of a high school diploma to receive certification.

**Required Fee/Materials:**      Yes  
**Advanced Grade Points:**      Yes  
**Industry Certification:**      Certified Pharmacy Technician