



Pharmacy

The Pharmacy program of study focuses on occupational and educational opportunities associated with the nursing field. The program of study includes patient care techniques and other essential skills required in nursing.

Courses for High School Credit

Level 1	• Principles of Health Science
Level 2	• Medical Terminology
Level 3	• Anatomy and Physiology • Health Science Theory • Health Science Clinical
Level 4	• Practicum in Health Science-Pharmacy

Aligned Industry-Based Certifications

- Certified EKG Technician
- Pharmacy Technician

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Intern with a retail or hospital pharmacy • Participate in job shadowing experiences
Expanded Learning Opportunities	• Participate in Health Occupation Students of America (HOSA) or SkillsUSA



Example Postsecondary Opportunities

Apprenticeships

- Level II Pharmacy Technician
- Level III Pharmacy Technician

Associate Degrees

- Pharmacy Management (AAS)

Bachelor's Degrees

- Bachelor of Pharmacy (BPharm)

Master's, Doctoral, and Professional Degrees

- Master of Pharmacy (MPharm)
- Doctor of Pharmacy (PharmD)

Additional Stackable IBCs/License

- Psychiatric Pharmacy (BCPP)

Example Aligned Occupations

(Based on statewide employment data)



Pharmacy Aide

Median Wage: \$36,135
Annual Openings: 541
10-Year Growth: 11%

Pharmacy Technician

Median Wage: \$41,987
Annual Openings: 4,255
10-Year Growth: 20%

Pharmacist

Median Wage: \$134,883
Annual Openings: 1,312
10-Year Growth: 16%





Pharmacy Course Descriptions:

Principles of Health Science- HLT2000 (1 Credit)

Level: 1

Course Fee: \$15

Prerequisite: None

GPA Weight: Regular

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

Medical Terminology- HLT1000MT (1 Credit)

Level: 2

Course Fee: None

Prerequisite: None

GPA Weight: Regular

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Health Science Theory- HLT3100 (1 Credit)

Level: 3

Course Fee: \$15

Prerequisite: Biology and 1 Additional Health Science Course

GPA Weight: Regular

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.



Health Science Clinicals- HLT2110 (2 Credits)

Level: 3

Course Fee: \$100 + Uniform

Prerequisite: Biology and 1 Additional Health Science Course

GPA Weight: Regular

The Health Science Clinical course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Districts are encouraged to offer this course in a consecutive block with Health Science Theory to allow students sufficient time to master the content of both courses.

Anatomy and Physiology- SCI4240(D) (1 Credit)

Level: 3

Course Fee: \$15

Prerequisite: Biology and Chemistry, IPC, or Physics

GPA Weight: Regular or Advanced

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. **Note: This course satisfies a science credit requirement for students on the Foundation High School Program.**

Available for Dual Credit from Lone Star College (BIOL2401, 2)

Practicum in Pharmacy- HLT3420 (2 Credits)

Level: 4

Course Fee: \$100 + Uniform + Individual Licensing Fees

Prerequisite: Health Science Theory/Clinicals, Biology, and 1 Additional Health Science Course

GPA Weight: Regular

The Practicum in Pharmacy course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of the experience.



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>



Successful completion of the Pharmacy program of study will fulfill requirements of the Public Services endorsement.