



**Level 1**

Medical Terminology

**Level 2**

Anatomy and Physiology  
Health Science Theory  
Medical Microbiology

**Level 3**

Pathophysiology  
Practicum in Health Science

**Level 4**

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
Pharmacy Technician	Dental Assistant	Dental Hygienist	Dental Hygienist	Dentist
Certified Patient Care Technician	Surgical Technologist	Medical/Clinical Assistant		Physician Assistant
Certified Nurse Aide/Assistant	Medical Assistant			Family and General Practitioners
	Pharmacy Aides			Pharmacist

Occupations	Median Wage	Annual Openings	% Growth
Medical Assistants	\$29,598	8,862	30%
Surgical Technologists	\$45,032	1,150	20%
Dental Hygienists	\$73,507	1,353	38%
Physicians and Surgeons	\$213,071	1,151	30%
Dental Assistants	\$34,840	4,422	31%

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
SkillsUSA Health Occupation Students of America (HOSA)	Volunteer at a community wellness center, hospital, assisted living, or nursing home.

The Healthcare Therapeutic program of study introduces students to occupations and educational opportunities related to diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study also includes an introduction to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.



The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Successful completion of the Healthcare Therapeutic program of study will fulfill requirements of a Public Service endorsement or STEM endorsement if the math and science requirements are met. Revised - July 2020



# COURSE INFORMATION

COURSE NAME	SERVICE & COURSE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Health Science	13020200 / 8200 (1 credit)	None	10-12
Medical Terminology	13020300 / 8205 (1 credit)	None	9-12
Health Science Theory	13020400 / 8210 (1 credit) 13020410 / 8211 (2 credits)	Principles of Health Science Clinicals: Biology & teacher approval	10-12
Medical Microbiology	13020700 / 8213 (1 credit)	PREQ: Biology and Chemistry Rec: Principles of Health Science and/or Medical Terminology	10-12
Anatomy and Physiology	13020600 / 2960 (1 credit)	PREQ: Biology and Chemistry	10-12
Pathophysiology	13020800 / 8214 (1 credit)	PREQ: Biology and Chemistry Rec: Principles of Health Science and/or Medical Terminology	10-12
Practicum in Health Science	13020500 / 8215 (2 credits)	PREQ: Health Science Theory and teacher approval	12

## BISD Recommended Course Sequence

Grade	9 <sup>th</sup> Year	10 <sup>th</sup> Year	11 <sup>th</sup> Year	12 <sup>th</sup> Year
<b>Courses</b>	Medical Terminology	Principles of Health Science	Anatomy & Physiology &/or Health Science Theory &/or Medical Microbiology	Pathophysiology &/or Practicum in Health Science