

**HEALTH SCIENCE**

**PUBLIC SERVICE**

# HEALTHCARE THERAPEUTIC

**PROGRAM OF STUDY**

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.

Texas Data: Collected by TEA October 2019

INDUSTRY-BASED CERTIFICATION OPPORTUNITIES
CPR; First Aid; OSHA 10-Hour General Industry Healthcare Certification; Certified Medical Assistant (CMA)

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Medical Assistants	\$29,598	8,862	30%
Surgical Technologists	\$45,032	1,150	20%
Dental Hygienist	\$73,507	1,353	38%
Physicians and Surgeons	\$213,017	1,151	30%
Dental Assistants	\$34,840	4,422	31%

Additional Career Opportunities: Certified Nurse Aide/Assistant; Certified Medical Assistant; Phlebotomy Technician; EKG/EKG Technologist; Nursing; Medical Therapy.

WORK-BASED LEARNING EXPERIENCES
Industry Guest Speakers / Panels; Medical Facility and Lab Tours; Industry Observations; Blood Drives; Community Service; Hospital Clinical Rotations; Internships / Externships.

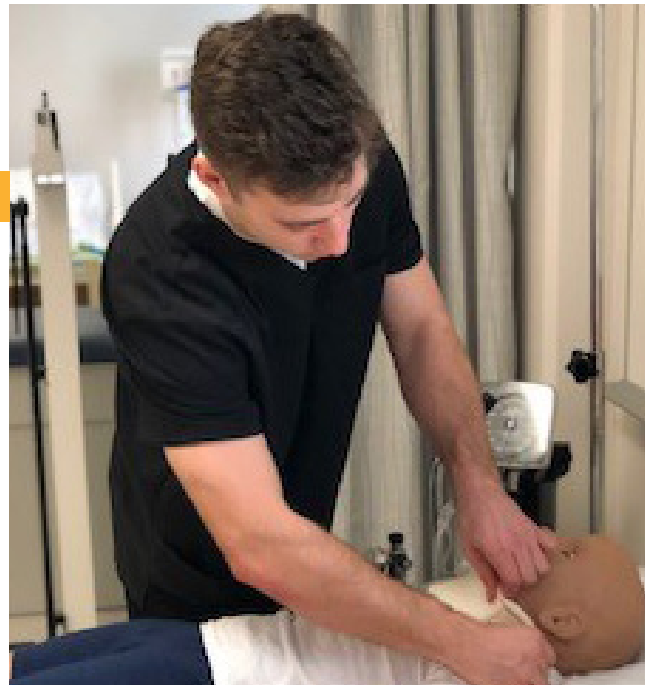
CAREER AND TECHNICAL STUDENT ORGANIZATIONS
Health Occupations Students of America (HOSA); National Technical Honor Society (NTHS)



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.

**Non-Discrimination Statement**

It is the policy of Leander ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its Career and Technology Education Programs, services, or activities. Leander ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs. Es norma de Leander ISD de no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales. Leander ISD tomará las medidas necesarias para asegurar que la falta de habilidad en el uso de la lengua inglés no sea un obstáculo para la admisión o participación en todos los programas educativos y vocacionales.



## RECOMMENDED COURSE SEQUENCE



Principles of Health Science



Medical Terminology



Health Science Theory  
Anatomy and Physiology



Practicum in Health Science,  
Medical Microbiology

**NOTE:** See reverse for additional course sequence options and endorsement requirements. Course descriptions and details can be found in the course catalog.

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A student may earn a Public Service Endorsement by completing foundation and general endorsement requirements. Endorsement course options for the Healthcare Therapeutics program of study are listed below.



## 4 CREDITS REQUIRED

### Required Courses:

- Principles of Health Science
- Health Science Theory

### Choose additional credits from the following:

- Practicum in Health Science
- Principles of Biomedical Science (PLTW)
- Medical Terminology
- Anatomy and Physiology
- Human Growth and Development
- Lifetime Nutrition and Wellness / Interpersonal Studies
- Counseling and Mental Health
- Career Preparation
- Project-Based Research

## INDUSTRY-BASED CERTIFICATION OPPORTUNITIES

**CPR:** This hands-on skills training prepares you to respond to breathing and cardiac emergencies. It also teaches the skills and knowledge needed to provide care for victims of sudden cardiac arrest through the safe use of an automated external defibrillator (AED). Valid for 2 years.

The First Aid certification teaches students to recognize and care for a variety of first aid emergencies such as burns, cuts, scrapes, sudden illnesses, head, neck, back injuries, heat and cold emergencies and how to respond to breathing and cardiac emergencies for victims about 12 years and older. Successful students will receive a certificate for Adult First Aid/CPR/AED valid for two years.

The OSHA 10-Hour General Industry (Healthcare) training course provides training for entry-level workers and employers on the recognition, avoidance, abatement, and prevention of safety and health hazards in workplaces in healthcare industry. The program also provides information regarding workers' rights, employer responsibilities, and how to file a complaint. Through this training, OSHA helps to ensure that workers are more knowledgeable about workplace hazards and their rights. Students who successfully complete the CareerSafe® OSHA 10-Hour General Industry (Healthcare) course receive an OSHA 10-Hour General Industry wallet card from the OSHA Training Institute (OTI).

**Certified Medical Assistant (CMA):** A medical assisting exam assesses a student's knowledge of therapeutic modalities, insurance filing procedures, medical terminology, clinical pharmacology, body systems, vital signs and measurements, human relations, lab procedures, performing and assessing an ECG, conducting patient education, financial book keeping, administrative duties, and medical law and ethics. Exam competencies may include clinical patient care, general patient care, administrative assisting, patient care and education, and infection control.

## NOTES:

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