

Health Science Career Cluster

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.

Medical Therapy Statewide Program of Study



The Medical Therapy program of study focuses on the study of biology and medicine in order to introduce students to the knowledge and skills necessary to be successful in the healthcare field in occupations such as, Respiratory, Occupational, Physical, or Speech Therapy. CTE learners may also practice patient care and communication.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science

Level 2

- Medical Terminology (MDCA1313/NURA1307)

Level 3

- Health Science Theory/Clinical (HPRS1105/MDCA1317)
- Anatomy and Physiology

Level 4

- Practicum in Health Science

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
------------------------	--------------------------------

- | | |
|--|--|
| <ul style="list-style-type: none"> Participate in Health Occupation Students of America | <ul style="list-style-type: none"> Intern at a lab Shadow a therapist Participate in clinical rotations |
|--|--|

Industry-Based Certifications

- OSHA-10 for Healthcare Providers
- Bloodborne Pathogens
- AHA CPR

Postsecondary Opportunities

Associates Degrees

- Occupational Therapy Assistant
- Radiation Therapists
- Respiratory Therapists
- Physical Therapy Assistant

Bachelor's Degrees

- Respiratory Therapists

Master's, Doctoral, and Professional Degrees

- Occupational Therapists
- Speech Language Pathologist
- Physical Therapists



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Speech Language Pathologists	\$73,070	1,068	25%
Respiratory Therapists	\$57,429	830	20%
Occupational Therapists	\$92,227	834	34%
Physical Therapy Assistants	\$70,200	1,268	44%

Successful completion of the Medical Therapy program of study will fulfill requirements of a Public Service or STEM endorsement if the math and science requirements are met. Revised – August 2022

Medical Therapy Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Health Science	13020200 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Medical Terminology (MDCA1313/NURA1307)	13020300 (1 credit)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Health Science Theory/Clinical (HPRS1105/MDCA1317)	13020410 (2 credits)	Biology	None
Anatomy and Physiology	13020600 (1 credit)	Biology and a second science credit	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Practicum in Health Science	13020500 (2 credits)	Health Science Theory and Biology	None

FOR ADDITIONAL INFORMATION ON THE HEALTH SCIENCE CAREER CLUSTER,
PLEASE CONTACT: CTE@tea.texas.gov
<https://tea.texas.gov/cte>

Mabank ISD does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Mr. Clay Tracy, Assistant Superintendent of Human Resources, 310 E. Market Street, Mabank, TX 75147, 903-880-1305.

Further nondiscrimination information can be found at
[Notification of Nondiscrimination in Career and Technical Education Programs.](#)