

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
- Introduction to Speech Pathology and Audiology
- Principles of Allied Health

Level 2

- Medical Terminology
- Speech and Language Development
- Allied Health Therapeutic Services

Level 3

- Speech Communication Disorders
- Health Science Theory/Health
- Science Clinical
- Physical Therapy I
- Occupational Therapy I
- Respiratory Therapy

Level 4

- Practicum in Health Science
- Occupational Therapy II
- Physical Therapy II
- Respiratory Therapy II

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

- Certified Clinical Medical Assistant
- Certified Occupational Therapy Assistant
- Certified Respiratory Therapist
- Emergency Medical Technician - Basic
- Orthopedic Exercise Specialty Certification*
- Orthopedic Technologist*

*IBC sunseting 8/31/24

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
Introduction to Speech Pathology and Audiology	N1302100 (1 credit)	None	None
Principles of Allied Health	N1302105 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Medical Terminology	13020300 (1 credit)	None	None
Speech and Language Development	N1302098 (1 credit)	None	None
Allied Health Therapeutic Service	N1302120 (1 credit)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Speech Communication Disorders	N1302099 (1 credit)	None	None
Health Science Theory/ Health Science Clinical	13020400 (1 credit) 13020410 (2 credits)	Biology	None
Physical Therapy I	N1302128 (1 credit)	None	None
Occupational Therapy I	N1302132 (1 credit)	None	None
Respiratory Therapy I	13021120 (1 credit)	1 credit from Health Science Career Cluster	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Practicum in Health Science	13020500 (2 credits) 13020505 (3 credits) 13020510 (2 credits) 13020515 (3 credits)	Health Science Theory and Biology	None
Occupational Therapy II	N1302133 (1 credit)	None	None
Physical Therapy II	N1302134 (1 credit)	None	None
Respiratory Therapy II	13021122 (1 credit)	Respiratory Therapy I	None

Medical Therapy

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

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