

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.

Healthcare Diagnostic & Therapeutic Services

Statewide 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.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science - 3 hours, TJC

Level 2

- Medical Terminology - 3 hours, TJC

Level 3 & 4

- Pathophysiology
- Anatomy and Physiology - 8 hours, TJC
- Practicum in Health Science
 - Pharmacy Technician
 - Certified Medical Assistant
 - Phlebotomy and Patient Care Technician

***CTE Completer: 3 or more courses for 4 or more credits**

Industry-Based Certifications

- Certified Clinical Medical Assistant**
- Pharmacy Technician** (*National Certification*)
- Phlebotomy Technician & Patient Care Technician**



Postsecondary Opportunities Cont.

Master's, Doctoral, and Professional Degrees

- Dentist
- Physician Assistant
- Family and General Practitioners
- Pharmacist
- Speech Language Pathologist
- Physical Therapist

Postsecondary Opportunities

Associates Degrees

- Dental Hygienist
- Medical/Clinical Assistant
- Occupational Therapy Assistant

Bachelor's Degrees

- Dental Hygienist
- Respiratory Therapist

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Diagnostic Medical Sonographers	\$69,909	495	35%
Phlebotomist	\$30,597	1,442	36%
Radiologic Technologists	\$55,494	1,196	21%
Medical Assistants	\$29,598	8,862	30%
Licensed Vocational Nurses	\$45,178	7,186	21%
Registered Nurses	\$68,682	17,493	26%
Nurse Practitioners	\$107,827	977	50%
Surgical Technologists	\$45,032	1,150	20%
Dental Hygienists	\$73,507	1,353	38%
Physicians and Surgeons	\$213,071	1,151	30%

Successful completion of a Healthcare program of study will fulfill requirements of a Public Service endorsement or STEM endorsement if the math and science requirements are met. Revised – March 2023

Healthcare Diagnostic & Therapeutic Services 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	13020300 (1 credit)	None	None

Level 3 & 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Anatomy and Physiology	13020600 (1 credit)	One credit in Biology, one credit in Chemistry, Integrated Physics and Chemistry, or Physics.	None
Pathophysiology	13020800 (1 credit)	Biology and Chemistry	None
Practicum in Health Science	13020400 (1 credit) 13020500 (2 credits)	Health Science Theory and Biology	None

Lindale ISD's Dual Credit partnership for the STEM courses are with Tyler Junior College.



FOR ADDITIONAL INFORMATION ON HEALTH SCIENCE CAREER CLUSTER,
PLEASE CONTACT: CTE@tea.texas.gov or LISD CTE Director, Teri Hodges, HodgesTC@lisdeagles.net
<https://tea.texas.gov/cte>

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