

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.

Diagnostic and 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	Course	Sequence
1	Principles of Health Science	JH / Optional
2	Medical Terminology	1
2	Science of Nursing	2
3	Anatomy and Physiology*	3
3	Practicum in Health Science (Phlebotomy)	4

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> Participate in SkillsUSA or Health Occupation Students of America 	<ul style="list-style-type: none"> Volunteer at a community wellness center, hospital, assisted living, or nursing home

Offered Industry-Based Certifications

- Phlebotomy Technician

Course Description [Document from TEA](#)

* Offered as a Dual Credit College Course



Postsecondary Opportunities

Associates Degrees

- Dental Hygienist
- Medical/Clinical Assistant

Bachelor's Degrees

- Dental Hygienist

Master's, Doctoral, and Professional Degrees

- Dentist
- Physician Assistant
- Family and General Practitioners
- Pharmacist

Aligned Occupations

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%

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 – August 2022

Diagnostic and Therapeutic Services Course Information

Level 1

COURSE NAME	STATE SERVICE ID	LOCAL ID / NAME	PREREQUISITES	COREQUISITES
Principles of Health Science	13020200 (1 credit)	Junior High Course	None	None

Level 2

COURSE NAME	STATE SERVICE ID	LOCAL ID / NAME	COLLEGE CREDIT COURSE	PREREQUISITES	COREQUISITES
Medical Terminology	13020300 (1 credit)	8405 / Medical Terminology		None	None
Science of Nursing	N1302129 (1 credit)	8408 / Sci Of Nursing		None	None

Level 3

COURSE NAME	STATE SERVICE ID	LOCAL ID / NAME	COLLEGE CREDIT COURSE	PREREQUISITES	COREQUISITES
Anatomy and Physiology	13020600 (1 credit)	3081 / Anatomy and Physiology	BIOL2301-Human Anatomy & Physiology I (3 Credits) BIOL2101-Human Anatomy & Physiology I (lab) (1 Credit)	Biology and a second science credit	None

Level 4

COURSE NAME	STATE SERVICE ID	LOCAL ID / NAME	COLLEGE CREDIT COURSE	PREREQUISITES	COREQUISITES
Practicum in Health Science(Phlebotomy)	13020400	8410 / Hls Clinical		None	None

COLLEGE CREDIT COURSE(S)

Offered in conjunction with: Lamar State College Port Arthur
College Website: <https://www.lamarpa.edu/Home>



For Additional Information on the Health Science Career Cluster,
PLEASE CONTACT: CTE@tea.texas.gov WEBSITE: <https://tea.texas.gov/cte>

Ferris ISD CTE Coordinator: Richard L. Simms, Email: rsimms@ferrisisd.org, Phone: 972-544-3737 x2839

Ferris 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:

District Coordinator:

Lance Campbell, Deputy Superintendent
301 E 5th St, Ferris, TX 75125
lcampbell@ferrisisd.org
972-544-3858

Campus Coordinator:

Chris Guastella, Principal
1025 E 8th St, Ferris, TX 75125
cguastella@ferrisisd.org
972-544-3737

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