

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. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

CFISD Program of Study: *Diagnostic and Therapeutic Services*

Successful completion of the *Diagnostic and Therapeutic Services* program of study will fulfill requirements of the Public Services endorsement.

The Diagnostic and Therapeutic Services program of study focuses on occupational and educational opportunities associated with diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study includes exploration of patient treatment and rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.



Recommended Course Sequence (credits)(A=advanced)

Students wanting an endorsement in this area must select three (3) or more courses totaling four (4) or more credits with at least one being advanced.

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| Grade 9 | <ul style="list-style-type: none"> Principles of Health Science (1) |
| Grade 10 | <ul style="list-style-type: none"> Medical Terminology (1) |
| Grade 11 | <ul style="list-style-type: none"> Health Science Theory/Clinicals (2) (A) OR Anatomy and Physiology K (1-science) (A) AND/OR Pathophysiology K (1-science) (A) |
| Grade 12 | <ul style="list-style-type: none"> Practicum in Health Science (2) (A) |

Aligned Industry-Based Certifications Offered in CFISD

(course) (CCMR=impacts “career ready” status as outlined by the TEA Accountability System for College, Career or Military Readiness)

- AHA Basic Life Support (Health Science Theory/Clinicals)
- AHA CPR/First Aid (Principles of Health Science)
- Certified EKG Technician (Health Science Theory/Clinicals) (CCMR)
- Certified Nurse Aide (CNA) (Practicum in Health Science) (CCMR)
- OSHA 10-Hour (Health Science Theory/Clinicals)
- Patient Care Technician (Practicum in Health Science) (CCMR)
- Pharmacy Technician (Practicum in Health Science) (CCMR)
- Registered Dental Assistant (Practicum in Health Science) (CCMR)

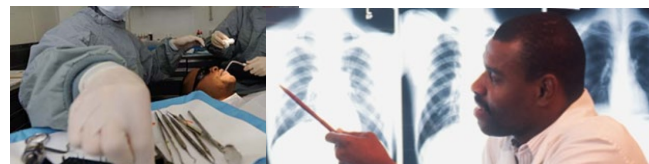
Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Intern with a medical assistant at a community clinic, hospital, assisted living, or long-term care facility
- Participate in job shadowing experiences such as Emergency Medical Services (EMS) ride along or hospital/clinical job

Expanded Learning Opportunities

- Participate in Health Occupation Students of America (HOSA) or SkillsUSA
- Participate in Advanced Medical Ambulance Bus (AMBUS) event or Community Emergency Response Team (CERT) event



Example Postsecondary Opportunities

Apprenticeships

- Medical Assistant

Associate Degrees

- Emergency Medical Technology
- Radiologic Technology/Science

Bachelor's Degrees

- Emergency Medical Technology
- Medical Insurance Coding

Master's, Doctoral, and Professional Degrees

- Medicine
- Occupational Therapy

Additional Stackable IBCs/License

- Registered Diagnostic Medical Sonographer



Example Aligned Occupations

Data Source: Texas Wages, Texas Workforce Commission. rev 3/8/2024

Medical Assistants

Median Wage: \$37,568
Annual Openings: 11,247
10-Year Growth: 29%

Dental Hygienists

Median Wage: \$89,155
Annual Openings: 1,047
10-Year Growth: 32%

Physician Assistants

Median Wage: \$131,082
Annual Openings: 887
10-Year Growth: 41%

AVAILABLE TO STUDENTS AT ALL 12 HIGH SCHOOLS!

- Receive training on industry-standard material, software & equipment.
- Enhance your resume by earning recognized industry-based certifications.
- Get a jump-start by taking advantage of core curriculum dual credit, transferable to 2-yr and 4-yr degrees.

ALL AT A FRACTION OF THE COST!



For more information on this and other CTE programs of study offered in CFISD, visit <https://www.cfisd.net/academics/career-technical-education/programs-of-study>

What's next? For more information on related programs available to continue your studies at Lone Star College, visit <https://www.lonestar.edu/programs-of-study>

