



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.

Statewide Program of Study: *Diagnostic and Therapeutic Services*

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.

Secondary Courses for High School Credit

Level 1 • Principles of Health Science

Level 2 • Medical Terminology

Level 3 • Health Science Theory

Level 4 • Practicum in Health Science



This Program of Study is Available
at LASARA ISD

Aligned Advanced Academic Courses

AP or IB	AP Biology IB Biology SL IB Biology HL	AP Chemistry IB Chemistry SL IB Chemistry HL
Dual Credit	Dual credit offerings will vary by local education agency.	

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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

Aligned Industry-Based Certification

- Certified Clinical Medical Assistant



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

Medical Assistants

Median Wage: \$36,834
Annual Openings: 11,638
10-Year Growth: 29%

Dental Hygienists

Median Wage: \$79,663
Annual Openings: 1,352
10-Year Growth: 32%

Physician Assistants

Median Wage: \$127,332
Annual Openings: 974
10-Year Growth: 41%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>



Health Science Career Cluster

Statewide Program of Study: *Diagnostic and Therapeutic Services*

Course Information

Level 1

Course	Prerequisites Corequisites	Career Cluster
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Principles of Health Science
13020200 (1 credit)

Prerequisites: None
Corequisites: None
Recommended Prerequisites: None
Recommended Corequisites: None



Level 2

Course	Prerequisites Corequisites	Career Cluster
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Medical Terminology
13020300 (1 credit)

Prerequisites: None
Corequisites: None
Recommended Prerequisites: Principles of Health Science
Recommended Corequisites: None



Level 3

Course	Prerequisites Corequisites	Career Cluster
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Health Science Theory
13020400 (1 credit)

Prerequisites: Biology and Medical Terminology
Corequisites: None



Level 4

Course	Prerequisites Corequisites	Career Cluster
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Practicum in Health Science
13020500 (2 credits)

Prerequisites: Health Science Theory and Biology
Corequisites: None



Student Name: _____ Student ID#: _____

Student Signature: _____ Date: _____

Parent/Guardian Signature: _____ Date: _____

Counselor's Signature: _____ Date: _____



COLLABORATIVE ALLIANCE FOR

RGV-CAREER

RURAL EDUCATION AND EMPLOYMENT RESOURCES

For additional information on the **Health Science** career cluster,
contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>