



# O'Donnell High School 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 You must complete at least four credits from this list.

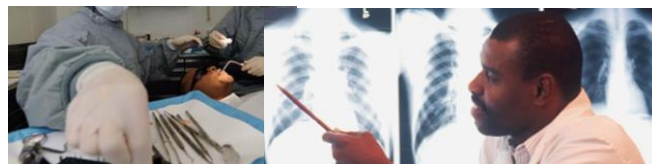
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|---------|---|
| Level 2 | <ul style="list-style-type: none"> <li>Medical Terminology</li> </ul>                                   |
| Level 3 | <ul style="list-style-type: none"> <li>Anatomy and Physiology</li> <li>Health Science Theory</li> </ul> |
| Level 4 | <ul style="list-style-type: none"> <li>Practicum in Health Science</li> </ul>                           |

### Aligned Advanced Academic Courses

Dual Credit	HITT 1305 Medical Terminology I
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### Aligned Industry-Based Certifications

- Patient Care Technician



### 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 2

Course	Prerequisites   Corequisites	Career Clusters
<b>Medical Terminology</b> 7303 (OHS Course #) 13020300 (1 credit)	<b>Prerequisites:</b> None <b>Corequisites:</b> None <b>Recommended Prerequisites:</b> None <b>Recommended Corequisites:</b> None	

Level 3

Course	Prerequisites   Corequisites	Career Clusters
<b>Anatomy and Physiology</b> 7304 (OHS Course #) 13020600 (1 credit)	<b>Prerequisites:</b> One credit in Biology and one credit in Chemistry, Integrated Physics and Chemistry, or Physics <b>Corequisites:</b> None <b>Recommended Prerequisites:</b> A course from the Health Science career cluster <b>Recommended Corequisites:</b> None	
<b>Health Science Theory</b> 7106 (OHS Course #) 13020400 (1 credit)	<b>Prerequisites:</b> One credit in Biology and at least one credit in a course from the Health Science career cluster <b>Corequisites:</b> None <b>Recommended Prerequisites:</b> None <b>Recommended Corequisites:</b> None	

Level 4

Course	Prerequisites   Corequisites	Career Clusters
<b>Practicum in Health Science</b> 7099 (OHS Course #) First Time Taken: 13020500 (2 credits)	<b>Prerequisites:</b> Health Science Theory and Biology <b>Corequisites:</b> None <b>Recommended Prerequisites:</b> None <b>Recommended Corequisites:</b> None	



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



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