

# 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 Therapeutic 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

#### Level 2

- Medical Terminology (MDCA1313/NURA1307)

#### Level 3

- Health Science Theory/Clinical (HPRS1105/MDCA1317)
- Anatomy and Physiology

#### Level 4

- Medical Microbiology
- Practicum in Health Science

### 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

### Work-Based Learning and Expanded Learning Opportunities

#### Exploration Activities

- Participate in SkillsUSA or Health Occupation Students of America

#### Work-Based Learning Activities

- Volunteer at a community wellness center, hospital, assisted living, or nursing home

### Industry-Based Certifications

- Certified EKG Technician
- OSHA-10 for Healthcare
- Bloodborne Pathogens
- AHA CPR



### 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

# Healthcare Therapeutic 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<br>(MDCA1313/NURA1307) | 13020300 (1 credit) | None          | None         |

## Level 3

| COURSE NAME   | SERVICE ID           | PREREQUISITES                          | COREQUISITES |
|---|----------------------|--|--------------|
| Health Science Theory/Clinical<br>(HPRS1105/MDCA1317) | 13020410 (2 credits) | Biology                                | None         |
| Anatomy and Physiology                                | 13020600 (1 credit)  | Biology and a second<br>science credit | None         |

## Level 4

| COURSE NAME                 | SERVICE ID           | PREREQUISITES                        | COREQUISITES |
|-----------------------------|----------------------|--------------------------------------|--------------|
| Medical Microbiology        | 13020700 (1 credit)  | Biology and Chemistry                | None         |
| Practicum in Health Science | 13020500 (2 credits) | Health Science Theory and<br>Biology | None         |

FOR ADDITIONAL INFORMATION ON THE HEALTH SCIENCE CAREER CLUSTER,  
PLEASE CONTACT: [CTE@tea.texas.gov](mailto:CTE@tea.texas.gov)  
<https://tea.texas.gov/cte>

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