

Health Science Career Cluster

Revised—June 2024



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.



Endorsement: **Public Service Statewide Program of Study: Healthcare Therapeutic - CMA**

The Nursing Science program of study focuses on occupational and educational opportunities associated with patient care. This program of study includes the practice of caring for patients, performing routine procedures such as monitoring vital signs, developing, and implementing care plans, maintaining medical records, and managing disease or pain.



Secondary Courses for High School Credit

- | | |
|------------------------|--|
| 9 th Grade | <input type="checkbox"/> Principles of Health Science (Level 1) |
| 10 th Grade | <input type="checkbox"/> Medical Terminology (Level 2) |
| 11 th Grade | <input type="checkbox"/> Health Science Theory (Level 3) <input type="checkbox"/> Elective Science: Anatomy and Physiology – (Level 3) |
| 12 th Grade | <input type="checkbox"/> Practicum in Health Science CMA (Level 4) (KCC) <input type="checkbox"/> Elective Science: Pathophysiology – (Level 4) (KCC) |

A CTE Completer is a student who completes three or more CTE courses for four or more credits including one Level 3 or 4 (advanced level) CTE course within a program of study will fulfill the requirements of a Business and Industry Endorsement.

Aligned Industry-Based Certifications

- Certified Clinical Medical Assistant



Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Intern with a medical assistant at a community clinic, hospital, or assisted living facility
- Conduct informational interviews with nurses in different departments and healthcare settings

Expanded Learning Opportunities

- Volunteer at community clinics, hospitals, assisted living and long-term care facilities
- Participate in HOSA or SkillsUSA

NAVIANCE ACCESS

All Killeen ISD students (7th – 12th graders) should login to their Naviance account through Clever.

Log into Naviance by clicking the Clever logo or link and use the College SuperMatch Tool to find colleges offering degree plans in this field.

<https://clever.com/in/killeenisd>



Killeen ISD does not discriminate on the basis of race, color, national origin, sex, or disability 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: Rhea Bell, Title IX Coordinator, 902 N. 10th St., Killeen, TX 76541, 254-336-2822, Rhea.Bell@killeenisd.org. Further nondiscrimination information can be found at [Notification of Nondiscrimination in Career and Technical Education Programs](#).



Example Postsecondary Opportunities

Apprenticeships

- Registered Nurse Resident

Associate Degrees

- Medical Assisting
- Vocational Nursing

Bachelor's Degrees

- Registered Nursing
- Nursing Administration

Master's, Doctoral, and Professional Degrees

- Nursing Administration
- Nursing Science

Additional Stackable IBCs/License

- Certified Emergency Nurse



Example Aligned Occupations

Nursing Assistants

Median Wage: \$30,856
Annual Openings: 10,936
10-Year Growth: 15%

Licensed Practical and Licensed Vocational Nurses

Median Wage: \$50,913
Annual Openings: 6,865
10-Year Growth: 17%

Registered Nurses

Median Wage: \$79,831
Annual Openings: 16,207
10-Year Growth: 17%

Data Source: Texas Wages, 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>

Clinical Medical Assistant

Health Science Career Cluster



Endorsement: Public Service

Statewide Program of Study: Healthcare Therapeutic - CMA

Course Information

IT IS IN THE BEST INTEREST OF THE STUDENT TO TAKE ALL COURSES BELOW IN EACH GRADE

| Level 1 9 th Grade | Course | Prerequisites Corequisites | Career Clusters |
|-----------------------------------|--|--|-----------------|
| | Principles of Health Science* 13020200 (1 credit) | Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None | |
| Level 2 10 th Grade | Course | Prerequisites Corequisites | Career Clusters |
| | Medical Terminology* 13020300 (1 credit) | Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None | |
| Level 3 11 th Grade | Course | Prerequisites Corequisites | Career Clusters |
| | Health Science Theory + Health Science Clinical* 13020410 (2 credits) | Prerequisites: One credit in Biology and at least one credit in a course from the Health Science career cluster Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None | |
| | Anatomy and Physiology* 13020600 (1 credit) | Prerequisites: One credit in Biology and one credit in Chemistry, Integrated Physics and Chemistry, or Physics Corequisites: None Recommended Prerequisites: A course from the Health Science career cluster Recommended Corequisites: None | |
| Level 4 12 th Grade | Course | Prerequisites Corequisites | Career Clusters |
| | Pathophysiology* 13020800 (1 credit) | Prerequisites: One credit in Biology, one credit in Chemistry, and at least one credit in a Level 2 or higher course from the Health Science career cluster Corequisites: None Recommended Prerequisites: Anatomy and Physiology Recommended Corequisites: None | |
| | Practicum in Health Science* First Time Taken: 13020500 (2 credits) Second Time Taken: 13020510 (2 credits) | Prerequisites: Health Science Theory and Biology Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None | |

* Indicates course is included in more than one program of study.

See your school counselor to connect with a military recruiter for career counseling and to take the ASVAB in high school.