

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: Nursing Science

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

Level 1 •	Principles	of Health Science
-----------	------------	-------------------

Level 2 • Medical Terminology (MDCA1313/NURA1307)*

Level 3 • Anatomy and Physiology

 Practicum in Health Science –CNA (NURA1401/NURA1160, HPRS 1105)*
 *TVCC CNA/OSA

Level 4 • Medical Microbiology

 Practicum in Nursing (MDCA1348, MDCA1352/MDCA1160, MDCA1317, MDCA1254)*
 *TVCC Certified Med Assistant Certificate

Aligned Advanced Academic Courses

АР	AP Biology	AP Chemistry
Dual Credit	Asst/Aid HPRS1105 Essentials Professio MDCA1348 Pharmac Medicat MDCA1352 Medical MDCA1160 Clinical MDCA1317 Procedu	de for Health Care Nursing Assistant/Aide and Patient Care le s of Medical Law/Ethics for Health onals cology & Administration of

Students should be advised to consider these course opportunities to enrich their preparation. AP 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

- 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

Aligned Industry-Based Certifications

Certified Nurse Aide (CNA)

• Certified Clinical Medical Assistant

Mabank ISD does not discriminate on the basis of race, color, national origin, sex, disability or age 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: Mr. Clay Tracy, Assistant Superintendent of Human Resources, 310 E.

Market Street, Mabank, TX 75147, 903-880-1305.



Successful completion of the Nursing Science program of study will fulfill requirements of STEM endorsement if the math and science requirements are met or the Public Services endorsement.



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



For more information visit: https://tea.texas.gov/academics/college-career-and-militaryprep/career-and-technical-education/programs-of-studyadditional-resources