



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*

Endorsement: *Public Services*

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.



Nursing Science Course Sequence

Level 1	Course	Prerequisites Corequisites
	Principles of Health Science 1 credit, 1 class period	Prerequisites: None
Level 2	Course	Prerequisites Corequisites
	Medical Terminology 1 credit, 1 class period	Prerequisites: Principles of Health Science
Level 3	Course	Prerequisites Corequisites
	Health Science Theory 1 credit, 1 class period	Prerequisites: Medical Terminology
	Anatomy and Physiology 1 credit, 1 class period	Prerequisites: Chemistry
Medical Microbiology 1 credit, 1 class period	Prerequisites: Chemistry	
Level 4	Course	Prerequisites Corequisites
	Practicum in Nursing 2 credits, 2 class periods	MHS Prerequisites: Health Science Theory
	Practicum in Health Science 2 credits, 2 class periods	Students must go through an application process to qualify for Practicum courses.
Industry Based Certification	<ul style="list-style-type: none"> Certified Nurse Aide (CNA) Emergency Medical Technician-Basic Phlebotomy Technician 	

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

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%

To earn the Nursing Pathway and Public Services Endorsement, students must complete at least 3 classes for 4 or more credits.

Nursing Science

PUBLIC SERVICES ENDORSEMENT



An example of a four-year plan for a student entering 9th grade to complete the Nursing Science Program of Study.

Subject	9th	10th	11th	12th
Language Arts	English 1	English 2	English 3	Advanced English
Mathematics	Algebra 1	Geometry	3 rd Math	4 th Math
Science	Biology or IPC	Biology or Chemistry	Anatomy and Physiology	Med. Microbiology
Social Studies	World Geography	World History	US History	Govt./Econ.
Required CTE courses	Principles of Health Science	Medical Terminology	Health Science Theory	Prac. in Nursing OR Prac. in Health Science
Elective	Physical Education	Fine Arts	Elective	
Elective	Foreign Language	Foreign Language	Elective	Elective

Industry Based Certifications

- Certified Nurse Aide (CNA)
- Emergency Medical Technician- Basic
- Medical Coding and Billing Specialist
- Phlebotomy Technician

Related CTE Elective Courses

- Counseling and Mental Health
- Forensic Science
- Human Growth and Development

Program of Study Planning

- To complete any Program of Study, a student must complete 3 or more courses for a total of 4 or more credits.
- A student may change their Program of Study at the end of their 9th grade year but must remain in their newly chosen pathway for the remainder of high school if they wish to complete it.
- Students are encouraged to pursue other passions in their academics with the understanding that courses and/or commitments in other programs may conflict with completing their Program of Study.