



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: *Health Informatics*

Endorsement: *Public Services*

The Health Informatics program of study focuses on occupational and educational opportunities associated with the management and use of patient information in the healthcare field. This program of study includes exploration of computerized healthcare systems and the process of creating and maintaining hospital and patient records in accordance with regulatory requirements of the healthcare system. Students will also practice writing and interpreting medical reports.



Health Informatics Course Sequence

Level 1	Course	Prerequisites Corequisites
	Principles of Health Science 1 credit, 1 class period	Prerequisites: None
	Business Information Management I 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 + Health Science Clinical 2 credits, 2 class periods	Prerequisites: Medical Terminology This course MUST be taken to complete this Program of Study
	Industry Based Certification	<ul style="list-style-type: none"> Medical Coding and Billing Specialist

Level 4	Course	Prerequisites Corequisites
	Practicum in Nursing 2 credits, 2 class periods	Prerequisites: Health Science Theory Students must go through an application process to qualify for Practicum courses.
	Practicum in Health Science 2 credits, 2 class periods	Students who are completing the Nursing Pathway will be given first choice of these courses.

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 Health Informatics Pathway and Public Services Endorsement, students must complete at least 3 classes for 4 or more credits.

Health Informatics

PUBLIC SERVICES ENDORSEMENT



An example of a four-year plan for a student entering 9th grade to complete the Health Informatics 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	3rd Science	4 th Science
Social Studies	World Geography	World History	US History	Govt./Econ.
Required CTE courses	Principles of Health Science or Bus. Info. Mgt. I	Medical Terminology	Health Science Theory + Health Science Clinical	Practicum in Nursing OR Practicum in Health Science
Elective	Physical Education			
Elective	Foreign Language	Foreign Language	Elective	Elective

Industry Based Certifications
<ul style="list-style-type: none"> • Medical Coding and Billing Specialist

Related CTE Elective Courses
<ul style="list-style-type: none"> • Business Management • Global Business • Human Resource Management

Program of Study Planning
<ul style="list-style-type: none"> • 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.