

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.

Health Informatics Statewide Program of Study



The Health Informatics program of study focuses on exposing students to the management and use of patient information in the healthcare field. Students may learn about and research recent modifications of computerized healthcare and the process of creating and maintaining hospital and patient records in accordance with regulatory requirements of the healthcare system. Students may also practice writing and interpreting medical reports.

Secondary Courses for High School Credit

Level 1

- Principals of Health Science
- Medical Terminology
- Principles of Health Informatics
- Business Information Management I/Lab

Level 2

- Medical Intervention Evaluation and Research

Level 3

- Health Informatics
- Healthcare Administration and Management

Level 4

- Mathematics for Medical Professionals
- World Health Research
- Project-Based Research

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Health Occupations Students of America

Work-Based Learning Activities

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

Industry-Based Certifications

- Certified Coding Associate
- Certified Billing and Coding Specialist (CBCS)
- Insurance and Coding Specialist
- Nationally Certified Medical Coding and Billing Specialist

Postsecondary Opportunities

Associates Degrees

- Health Information/Medical Records Technology/Technician

Bachelor's Degrees

- Medical and Health Service Managers

Master's, Doctoral, and Professional Degrees

- Medical and Health Service Managers



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Medical Records and Health Information Technician	\$35,922	1,588	24%
Medical and Health Service Managers	\$93,995	2,562	29%
Billing and Posting Clerks	\$35,485	5,775	25%

Successful completion of the Health Informatics program of study will fulfill requirements of a Public Service endorsement or STEM endorsement if the math and science requirements are met. Revised – March 2023

Health Informatics Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Health Science	13020200 (1 credit)	None	None
Medical Terminology	13020300 (1 credit)	None	None
Principles of Health Informatics	N1302108 (1 credit)	None	None
Business Information Management I/Lab	13011400 (1 credit) 13011410 (2 credits)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Medical Intervention Evaluation and Research	N1302125 (1 credit)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Health Informatics	13020960 (1 credit)	Medical Terminology	None
Healthcare Administration and Management	13020962 (1 credit)	Medical Terminology	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Mathematics for Medical Professionals	13020970 (1 credit)	Geometry and Algebra II	None
World Health Research	13020900 (1 credit)	Biology and Chemistry	None
Project Based Research	12701500 (1 credit)	None	None

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

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