HEALTH INFORMATICS

HEALTH SCIENCE

Level 1
Principles of Health Science
Medical Terminology
Principles of Health Informatics

Level 2
Business Information Management I/Lab
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

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Certified Coding Associate	Certified Professional in Informatics	Health Information/ Medical Records Technology/ Technician	Medical and Health Service Managers	Medical and Health Service Managers
Medical Coding and Billing Specialist	Medical Transcriptionist			

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Health Occupations Students of America (HOSA)	Volunteer at a community wellness center, hospital, assisted living center, or nursing home

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.

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.

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 - July 2020

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COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Health Science	13020200 (1 credit)	None	9-10
Medical Terminology	13020300 (1 credit)	None	9-12
Principles of Health Informatics	N1302108 (1 credit)	None	9-12
Business Information Management I/Lab	13011400 (1 credit) 13011410 (2 credits)	None	9-12
Medical Intervention Evaluation and Research	N1302125 (1 credit)	None	10-11
Health Informatics	13020960 (1 credit)	Medical Terminology	11-12
Healthcare Administration and Management	13020962 (1 credit)	Medical Terminology	11-12
Mathematics for Medical Professionals	13020970 (1 credit)	PREQ: Geometry and Algebra II	11-12
World Health Research	13020900 (1 credit)	PREQ: Biology and Chemistry	11-12
Project-Based Research	12701500 (1 credit)	None	11-12

FOR ADDITIONAL INFORMATION ON THE HEALTH SCIENCE CAREER CLUSTER, PLEASE CONTACT:

CTE@tea.texas.gov

https://tea.texas.gov/cte

Updated 6/2022