Health Informatics

Career Goal (O*NET Code): Medical Records and Health Information (29-2071), Medical Transcriptionist (31-9094).

Cluster Overview: The Health Science cluster focuses on careers in planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

SUGGESTED COURSEWORK

High School

9th

Core Courses:
- English I
- Algebra I
- Biology
- World Geography
- Languages other than English I
- Health/PE or Equivalent

Career-Related Electives:
Introduction to Health Science Technology AND Medical Terminology or Keyboarding or Introduction to Business

10th

Core Courses:
- English II
- Geometry
- Chemistry
- World History
- Languages other than English II
- Technology Applications

Career-Related Electives:
Health Science Technology I*** or Business Management

11th

Core Courses:
- English III
- Algebra II
- Physics
- United States History
- Communication Applications
- PE or Equivalent

Career-Related Electives:
Health Science Technology II* or Anatomy and Physiology of Human Systems or Languages other than English III

12th

Core Courses:
- English IV
- AP Statistics
- Scientific Research and Design
- Government/Economics
- Fine Arts

Career-Related Electives:
Health Science Technology III* or Independent Study or Languages other than English IV

Postsecondary

On-the-Job Training
- Admitting Clerk
- Unit Secretary

NOTE: These experiences may be started and/or completed as part of the high school experience.

Certificates
- Medical Transcriptionist
- Health Information Coder
- Reimbursement Specialists
- Health Information Services
- OSHA CareerSafe

NOTE: Students may earn all or part of these certificates as part of the high school experience.

Associate's Degrees

15 hours General Education Core including Anatomy & Physiology (BIOL 2X01/2X02)

Cluster Foundation

Medical Terminology I (HITT 1X05 **OR** MDCA 1X13 **OR** SRGT 1X01) **OR** Essentials of Medical Terminology (HPRS 1X06)

Essentials of Medical Law & Ethics (HPRS 1X05) **OR** Legal & Ethical Aspects of Health Information (HITT 1X53) **OR** Medical Law & Ethics (MDCA 1X05)

Introduction to Health Professions (HPRS 1X01) **OR** Basic Health Profession Skills (HPRS 1X04)

Pathophysiology (HPRS 2X01) **OR** Human Disease/Pathophysiology (MDCA 1X02)

Pharmacology (HPRS 2X00 **OR** HITT 1X49)

Wellness (HPRS 1X02)

POS Specific Courses
- Computer Applications I (POFI 1X01)
- Business Math (POFT 1X21)
- Computer Applications II (POFI 1X41)
- Business English (POFT 1X01)

Bachelor's Degrees
- Health Information Management
- Biomedical Informatics
- Business

Graduate Degrees
- Health Information Management
- Healthcare Administration
- Business Administration

EXTENDED LEARNING EXPERIENCES

Curricular Experiences:
- Health Occupations Students of America
- Business Professionals of America
- Future Business Leaders of America

Career Learning Experiences:
- Career Preparation (Paid/Unpaid)
- Job Shadowing
- Internship
- Apprenticeship

Extracurricular Experiences:
- National Youth Leadership Forum on Medicine
- Medical Mission Trips
- Special Olympics

Service Learning Experiences:
- Community Service Volunteer

Professional Associations:
- American Health Information Management Association
- American Association for Medical Transcription

Career Options:
- Medical Transcriptionist

Career Options:
- Medical Record Coder
- Health Information Coder
- Medical Biller
- Health Information Analyst
- Patient Financial Services Manager
- Health Information Technician

Certificates, Licenses & Credentials
- AHIMA- American Health Information Management Association
- RHIT- Registered Health Information Technician

Career Options:
- Applied Researcher
- Data Consultant
- Health Information Administrator
- Director of Medical Records

Career Options:
- Health Information Management
- Medical Systems Consultant

*** May substitute for the required credit for Physical Education**
**** Satisfies the required credit for Technology Applications**
***** May substitute for the required credit for Health Education**

Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses, if possible.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2007.
All plans should meet high school graduation requirements as well as college entrance requirements.
Students may select other elective courses for personal enrichment purposes.