



# Health Informatics

**Career Goal (O\*NET Code):** Healthcare Administrator (11-9111), Medical and Health Services Manager (11-9111).

**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

## EXTENDED LEARNING EXPERIENCES

|                            |  |  |   |   |  |   |  |   |
|----------------------------|--|--|---|---|--|---|--|---|
| <b>High School</b>         | 9th  | <b>Core Courses:</b>   | English I<br>Algebra I<br>Biology   | World Geography<br>Languages other than English I<br>Health/PE or Equivalent  | <b>Curricular Experiences:</b><br>Health Occupations Students of America   | <b>Extracurricular Experiences:</b><br>National Youth Leadership Forum on Medicine<br>Medical Mission Trips<br>Special Olympics |  |   |
|                            |  | <b>Career-Related Electives:</b>   | Introduction to Health Science Technology AND Medical Terminology or Accounting I or Introduction to Business |   |  |   |  |   |
|                            | 10th   | <b>Core Courses:</b>   | English II<br>Geometry<br>Chemistry   | World History<br>Languages other than English II<br>Technology Applications   |  |   |  |   |
|                            |  | <b>Career-Related Electives:</b>   | Health Science Technology I*** or Business Management   |   |  |   |  |   |
|                            | 11th   | <b>Core Courses:</b>   | English III<br>Algebra II<br>Physics  | United States History<br>Communication Applications<br>PE or Equivalent   |  |   | <b>Career Learning Experiences:</b><br>Career Preparation (Paid/Unpaid)<br>Job Shadowing<br>Internship | <b>Service Learning Experiences:</b><br>Community Service Volunteer |
|                            |  | <b>Career-Related Electives:</b>   | Health Science Technology II* or Anatomy and Physiology of Human Systems or Languages other than English III  |   |  |   |  |   |
| 12th                       | <b>Core Courses:</b>   | English IV<br>AP Statistics<br>Scientific Research and Design  | Government/Economics<br>Fine Arts   |   |  |   |  |   |
|                            | <b>Career-Related Electives:</b>   | Health Science Technology III* or Psychology or Languages other than English IV  |   |   |  |   |  |   |
| <b>On-the-Job Training</b> | Admitting Clerk<br>Unit Secretary  |  | Medical Assistant   | <b>Professional Associations:</b><br>American Association of Medical Assistants<br>Association of University Programs Health Administration<br>National Commission for Health Education Credentialing<br>American Public Health Association |  |   |  |   |
|                            | NOTE: These experiences may be started and/or completed as part of the high school experience.   |  |   |   |  |   |  |   |
| <b>Certificates</b>        | OSHA CareerSafe  |  |   |   |  |   |  |   |
|                            | NOTE: Students may earn all or part of these certificates as part of the high school experience. |  |   |   |  |   |  |   |
| <b>Postsecondary</b>       | <b>Associate's Degrees</b>   | 15 hours General Education Core including Anatomy & Physiology (BIOL 2X01/2X02)<br><b>Cluster Foundation</b><br>Medical Terminology I (HITT 1X05 <b>OR</b> MDCA 1X13 <b>OR</b> SRGT 1X01) <b>OR</b> Essentials of Medical Terminology (HPRS 1X06)<br>Essentials of Medical Law & Ethics (HPRS 1X05) <b>OR</b> Legal & Ethical Aspects of Health Information (HITT 1X53) <b>OR</b> Medical Law & Ethics (MDCA 1X05)<br>Introduction to Health Professions (HPRS 1X01) <b>OR</b> Basic Health Profession Skills (HPRS 1X04)<br>Pathophysiology (HPRS 2X01) <b>OR</b> Human Disease/Pathophysiology (MDCA 1X02)<br>Pharmacology (HPRS 2X00 <b>OR</b> HITT 1X49)<br>Wellness (HPRS 1X02)<br><b>POS Specific Courses</b><br>Specific courses should be chosen for each profession by the institution at the Associate's Degree level. It is recommended that students have a HITT Clinical, Internship, Coop, or Practicum Course |   |   | <b>Career Options:</b><br>Medical Assistant<br>Medical Secretary   |   |  |   |
|                            |  |  |   |   | <b>Certificates, Licenses &amp; Credentials</b><br>AHIMA- American Health Information Management Association<br>RHIT- Registered Health Information Technician |   |  |   |
|                            | <b>Bachelor's Degrees</b>  | Healthcare Management<br>Health Education<br>Business Administration   |   |   | <b>Career Options:</b><br>Public Health Educator<br>Patient Advocate<br>Healthcare Administrator<br>Data Analyst   |   |  |   |
|                            | <b>Graduate Degrees</b>  | Public Health<br>Healthcare Management<br>Business Administration  |   |   | <b>Career Options:</b><br>Researcher<br>Healthcare System Management<br>Medical Consulting<br>Public Health Administrator                                      |   |  |   |

\* 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.