Introduction to Health Informatics & IT

Career Cluster	Health Science
Course Code	14157
Prerequisite(s)	Recommend taking Medical Terminology first
Credit	1
Program of Study and Sequence	Cluster Course, Introduction to Health Informatics, Human Body Systems or Capstone Course
Student Organization	Future Health Professionals (HOSA), SkillsUSA
Coordinating Work-Based Learning	Guest speakers, project-based learning, community outreach, internships, field trips, and industry partnerships
Industry Certifications	National Career Readiness Certificate (NCRC)
Dual Credit or Dual Enrollment	https://sdmylife.com/images/Approved-CTE-Dual-Credit.pdf
Teacher Certification	Health Science Cluster Endorsement; Information Technology Cluster Endorsement; Networking Systems & Information Support Pathway Endorsement
Resources	

Course Description

Health Informatics & IT is a multidisciplinary approach to automated collection, using and sharing of personal and epidemiologic health information. The Health Informatics & IT course will introduce students to the necessary skills and knowledge to work in places such as medical groups, hospitals, clinics, health insurance organizations, research, hardware and software vendors, internet companies, and many others.

Program of Study Application

Introduction to Health Informatics & IT is the first pathway course in the Health Science career cluster, Health Informatics pathway. The course would follow participation in one or more cluster courses. Completion of Introduction to Health Informatics would prepare a student to participate in further pathway courses in the Health Informatics pathway or a capstone experience.

Course Standards

HI 1: Communicate health information accurately and within legal and regulatory guidelines, upholding the strictest standards of confidentiality.

Webb Level	Sub-indicator
Two Skill/Concept	HI 1.1 Apply accuracy, effectiveness, and timeliness to the transfer of information.
Two Skill/Concept	HI 1.2 Summarize how legal and regulatory requirements apply to the transfer of information.
Two Skill/Concept	HI 1.3 Distinguish who in the organization needs information and when they need it.
Three Strategic Thinking	HI 1.4 Organize recorded information and other documents within the Health Insurance Portability and Accountability Act (HIPAA) protocols to ensure confidentiality and privacy.
One Recall	HI 1.5 Communicate information ensuring confidentiality of content is maintained.

HI 2: Describe the content and diverse uses of health information.

Webb Level	Sub-indicator
Two Skill/Concept	HI 2.1 Interpret and extract information from medical records and documents.
Two Skill/Concept	HI 2.2 Collect appropriate, accurate information including proper codes to record charges for reimbursement.
One Recall	HI 2.3 Identify and apply accurate medical terminology.
Three Strategic Thinking	HI 2.4 Investigate the need for requesting further clarification when transcribing/transferring information that may be unclear.
Four Extended Thinking	HI 2.5 Analyze and apply information for regulatory and legal purposes.

HI 3: Demonstrate the use of systems used to capture, retrieve, and maintain confidential health information, including electronic health records, from internal and external sources.

Webb Level	Sub-indicator
Three Strategic Thinking	HI 3.1 Formulate and accurately document required information.
Two Skill/Concept	HI 3.2 Organize information that has been collected.
Three Strategic Thinking	HI 3.3 Differentiate the purposes and audiences for whom information is collected.
Two Skill/Concept	HI 3.4 Prepare accurate documentation for various audiences within legal and regulatory requirements, as requested.
One Recall	HI 3.5 Disseminate information to various audiences using systems and guidelines within the facility.
Two Skill/Concept	HI 3.6 Organize and maintain a records storage system within legal requirements and protocols.