NOCTI

Pathway Credential Blueprint

Health Informatics

General Assessment Information

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Test Type: The Health Informatics industry-based credential is included in NOCTI's Pathway assessment battery. Pathway assessments assess knowledge and skills at a broader level than the Job Ready assessments and focus on the Pathways established as part of the national career cluster model. Pathway assessments are delivered entirely online which allows NOCTI to include engaging interactive items.

Revision Team: The assessment content is based on input from secondary, post-secondary, and business/industry representatives from the states of California, Indiana, Massachusetts, Michigan, New York, Pennsylvania.

CIP Code

51.0799-Health and Medical
Administrative Services, Other

Learning that works for America
CTE

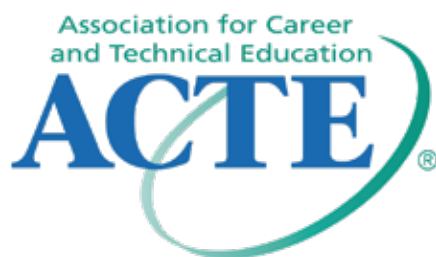Career Cluster 8-Health Services

NATIONAL COLLEGE CREDIT RECOMMENDATION SERVICE
University of the State of New York - Regents Research Fund

In the lower division baccalaureate/associate degree category, 3 semester hours in Health Informatics or Health Information Systems

General Assessment Information (continued)

The Association for Career and Technical Education (ACTE), the leading professional organization for career and technical educators, commends all students who participate in career and technical education programs and choose to validate their educational attainment through rigorous technical assessments. In taking this assessment you demonstrate to your school, your parents and guardians, your future employers and yourself that you understand the concepts and knowledge needed to succeed in the workplace. Good Luck!

National Healthcareer Association (NHA) has awarded more than 500,000 certifications to healthcare professions pursuing their career goals since 1989. NHA believes students are the future of healthcare and created study materials and certification exams to provide tools to help them along their journey. NHA strongly encourages and supports students that work to enhance their educational achievements by completing NOCTI assessments.

The American Medical Certification Association (AMCA) offers 14 certification exams for the allied healthcare field. AMCA supports NOCTI's Health Science assessments which are aligned to industry standards. This assessment is an excellent training instrument, in both content and test-mode preparation. Students passing both the NOCTI assessment and AMCA's national certification exam are demonstrating superior knowledge in their field and are outstanding candidates for entry-level positions in the allied healthcare field.
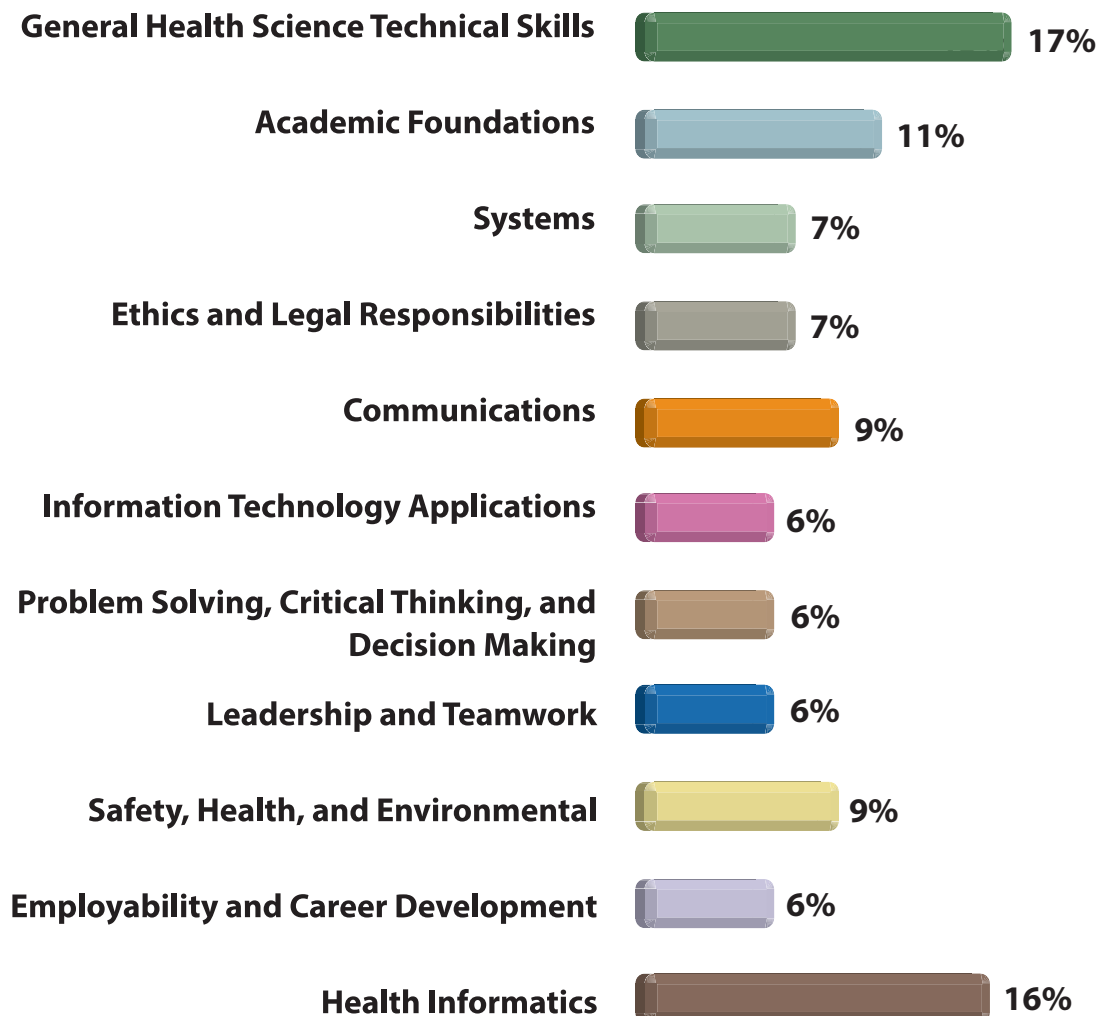
Written Assessment

NOCTI written assessments consist of questions to measure an individual's factual theoretical knowledge.

Administration Time: 2 hours
Number of Questions: 104
Number of Sessions: This assessment may be administered in one, two, or three sessions.

Areas Covered

Area	Percentage
General Health Science Technical Skills	17%
Academic Foundations	11%
Systems	7%
Ethics and Legal Responsibilities	7%
Communications	9%
Information Technology Applications	6%
Problem Solving, Critical Thinking, and Decision Making	6%
Leadership and Teamwork	6%
Safety, Health, and Environmental	9%
Employability and Career Development	6%
Health Informatics	16%

Specific Standards and Competencies Included in this Assessment

General Health Science Technical Skills
- Apply professional standards when interacting with patients and families
- Identify and interpret medical terminology
- Maintain appropriate infection control procedures
- Apply knowledge of anatomy and physiology

Academic Foundations
- Apply reading skills in a health science career environment
- Apply writing skills in a health science career environment
- Apply mathematical skills in a health science career environment
- Apply science skills in a health science career environment

Systems
- Describe the relationships, roles, and responsibilities among healthcare professionals
- Analyze the impact on healthcare systems based on changes in technology, epidemiology, managed care, etc.

Ethics and Legal Responsibilities
- Apply appropriate laws, regulations, and industry standards to healthcare situations
- Identify ethical issues and demonstrate ethical behavior in healthcare situations

Specific Standards and Competencies (continued)

Communications
- Communicate with patients using appropriate language and level, including using appropriate techniques for communicating with special needs patients (e.g., hard of hearing)
- Apply listening skills and interpret verbal and nonverbal behaviors to enhance communication with coworkers and patients
- Interpret and use tables, charts, and figures to support written and oral communication

Information Technology Applications
- Use word processing, presentation software, and email applications to prepare communication
- Use spreadsheet and database applications to manage and communicate data and information

Problem Solving, Critical Thinking, and Decision Making
- Use problem solving and critical thinking skills to locate credible sources of information about problems and determine appropriate methods for investigating causes
- Use problem solving and critical thinking skills to determine root causes of problems and to suggest and evaluate solutions

Leadership and Teamwork
- Apply leadership qualities to improve the quality of work and the work environment
- Work effectively in a team environment to improve the quality of work and the work environment

Specific Standards and Competencies (continued)

Safety, Health, and Environmental
- Identify and practice appropriate safety and health procedures for health occupations
- Demonstrate appropriate emergency and first aid knowledge and procedures for health occupations
- Identify and practice appropriate environmental procedures for health occupations

Employability and Career Development
- Demonstrate appropriate workplace behavior related to a health occupations career
- Develop career readiness skills to advance in health occupations

Health Informatics
- Read, interpret, and extract information from medical documents, applying knowledge of medical terminology, billing, and diagnostic codes
- Establish and maintain record storage systems within legal guidelines and protocols
- Collect and interpret health information data for a variety of purposes (e.g., determining community health information needs)
- Identify job opportunities and responsibilities within the health informatics field

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Sample Questions

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A patient diagnosed with arthritis may be referred to a
       A. gastrologist
       B. cardiologist
       C. dermatologist
       D. rheumatologist

The organelle of the cell that provides for energy production in the process of cellular respiration is the
       A. nucleolus
       B. Golgi apparatus
       C. mitochondria
       D. lysosome

Urgent Care Centers are designed to
       A. replace hospitals
       B. replace doctor's office visits
       C. decrease emergency room visits
       D. decrease home care visits

Which of the following symptoms is subjective?
       A. vomiting
       B. nausea
       C. skin breakdown
       D. rapid pulse

Which type of medical record is considered most efficient to maintain and retrieve patient information?
       A. electronic chart
       B. paper charts
       C. kardex
       D. care plan

Sample Questions (continued)

The first step in transferring a patient after checking the care guide is to
      A. introduce yourself to the patient
      B. use a gait belt as indicated
      C. explain the procedure to the patient
      D. use a walker as indicated

When providing two-person CPR, one person is not doing compressions as deeply as required to be effective. The second partner should
      A. switch out, continue compressions, and say nothing
      B. switch out, continue compressions, and review protocol later
      C. call it to the partner's attention and correct the problem right then
      D. ask the partner to show a current CPR card

Standard precautions indicate the use of _____ technique to remove items from isolation.
      A. sterile
      B. transfer
      C. dust-proof
      D. double bag

A patient's medical chart indicates SOB. What does this mean?
      A. Symptomatic of Bronchitis
      B. Short on Blood cells
      C. Short of Breath
      D. Sibling's Only Brother

A medical billing specialist should be required to
      A. prepare work schedules for the office staff
      B. receive and send business communications
      C. transport and transfer patients within the office
      D. conduct patient history and physical exams