

Pathway Assessment Blueprint

Diagnostic Services



Test Code: 1386/ Version: 01

## General Assessment Information

### Blueprint Contents

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**Test Type:** The Diagnostics Services 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, and Pennsylvania.



51.0999-Allied Health Diagnostic,  
Intervention, and Treatment Professions, Other.



Career Cluster 8-Health Services

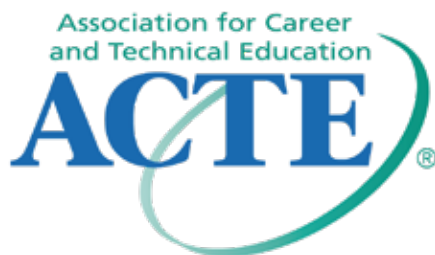


NATIONAL COLLEGE CREDIT RECOMMENDATION SERVICE  
University of the State of New York - Regents Research Fund

In the lower division  
baccalaureate/associate degree  
category, 3 semester hours in  
Health Care Services

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## 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

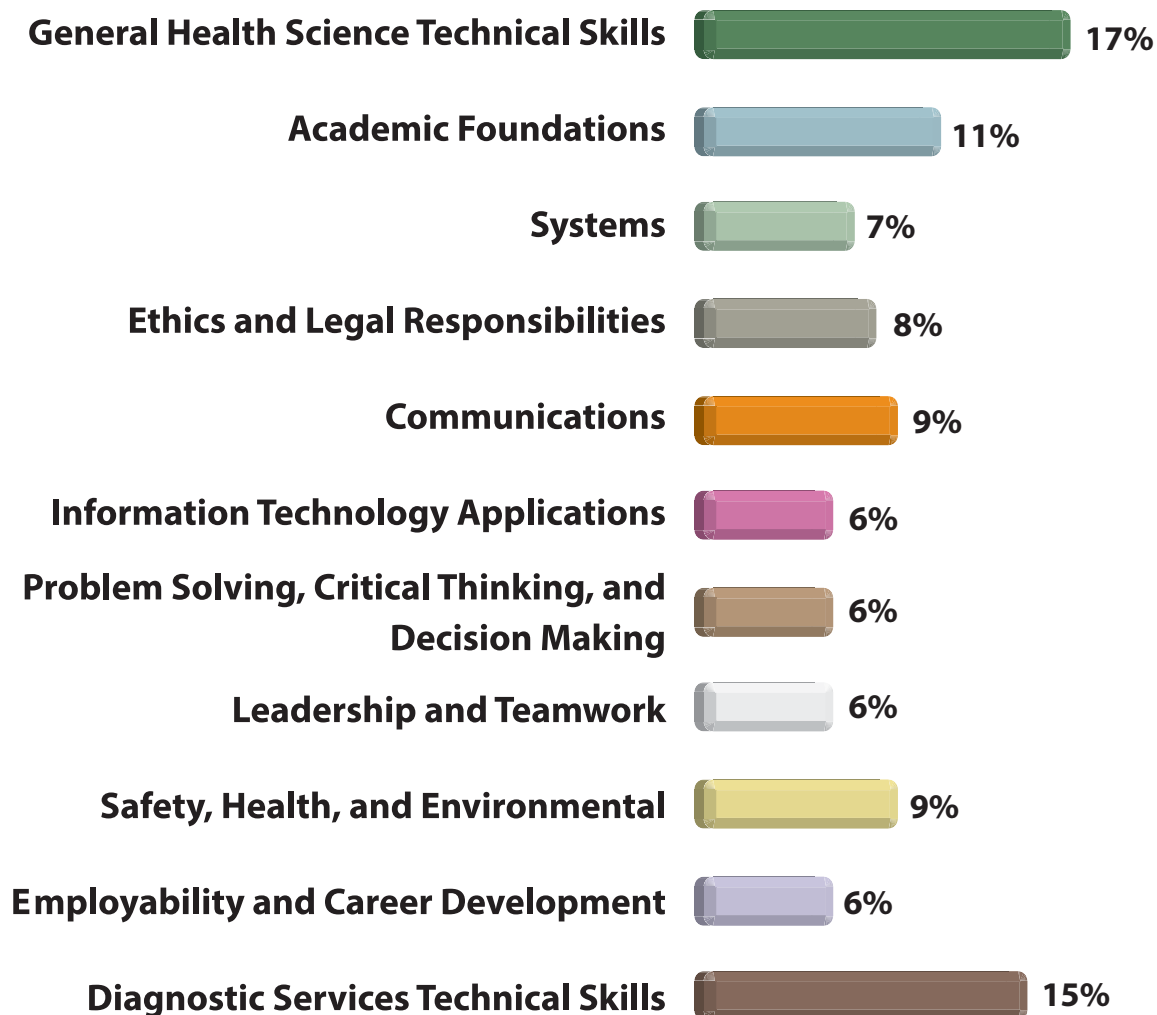
NOCTI written assessments consist of questions to measure an individual's factual theoretical knowledge.

**Administration Time:** 2 hours

**Number of Questions:** 103

**Number of Sessions:** This assessment may be administered in one, two, or three sessions.

### Areas Covered



## 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



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## 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

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## 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

### **Diagnostic Services Technical Skills**

- Identify common diagnostic tests and equipment and their purpose
- Follow appropriate procedures when conducting basic diagnostic tests
- Observe, monitor, and report patient status during diagnostic tests and respond appropriately
- Demonstrate proper procedures for positioning, transporting, and transferring patients





## Sample Questions

**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

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### 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

**An x-ray machine \_\_\_\_\_ to create an image.**

- A. uses a powerful magnet
- B. emits radiation
- C. emits sound waves
- D. measures humidity

**When applying electrocardiograph leads,**

- A. remove lotion or oil from patient's skin
- B. apply lead V4 at the fourth intercostal space (ICS)
- C. always wax hair from sites
- D. choose firm areas, over bone, for limb leads