

Pathway Assessment Blueprint

Diagnostic Services



Test Code: 1186/ Version: 01

General Assessment Information

Blueprint Contents

General Assessment Information
Written Assessment Information

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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 Kentucky, Minnesota, New York, North Carolina, and Pennsylvania.



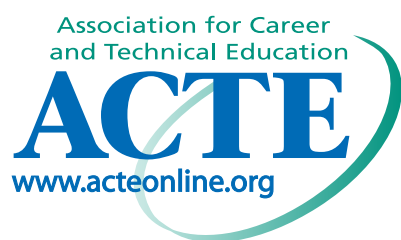
51.0999-Allied Health Diagnostic, Intervention, and Treatment Professions, Other.



Career Cluster 8-Health Services



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.



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 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

Written Assessment

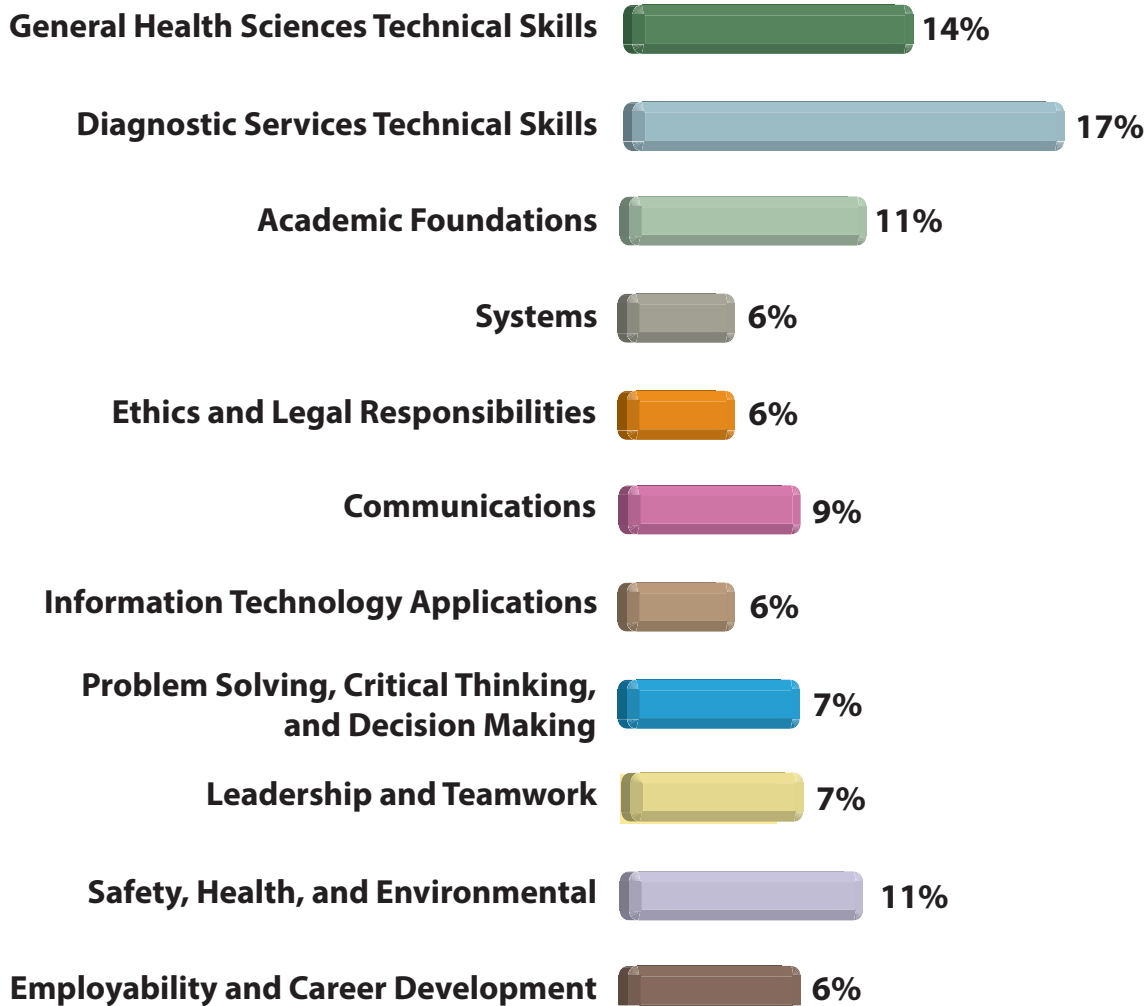
NOCTI written assessments consist of questions to measure an individual's factual theoretical knowledge.

Administration Time: 2 hours

Number of Questions: 98

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 Sciences Technical Skills

- Apply professional standards when interacting with patients and families
- Identify and interpret medical terminology
- Maintain appropriate infection controls procedures
- Apply knowledge of anatomy and physiology

Diagnostic Services Technical Skills

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

Academic Foundations

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

Systems

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

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Specific Standards and Competencies (continued)

Ethics

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

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 communications
- 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

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Specific Standards and Competencies (continued)

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

Safety, Health and Environmental

- Identify and practice appropriate safety and health procedures for healthcare occupations
- Demonstrate appropriate emergency and first aid knowledge and procedures for healthcare occupations
- Identify and practice appropriate environmental procedures for healthcare occupations

Employability and Career Development

- Demonstrate appropriate workplace behavior related to a career in health sciences
- Pursue career development skills to advance in health science careers



Sample Questions

Penicillin is an effective antibiotic treatment for some _____ infections.

- A. bacterial
- B. viral
- C. fungal
- D. hereditary

When assisting a client into a chair, the nursing assistant notices the client's grimace and guarding of the left arm. This is an example of

- A. non-verbal communication
- B. feedback
- C. verbal communication
- D. empathy

To be a good team leader, it is important to

- A. be a technical expert in the field
- B. force others to agree with the leader
- C. be popular with the employees
- D. recognize the strengths of others

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

As part of standard precautions, use the _____ technique to remove items from isolation.

- A. sterile
- B. transfer
- C. brake
- D. double bag

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Sample Questions (continued)

Which of the following is generally considered a barrier to effective communication with patients?

- A. maintaining eye contact
- B. using complicated medical terms
- C. being sensitive to cultural differences
- D. using clear and concise pronunciation

When composing a formal business email, avoid the use of

- A. abbreviations like "LOL"
- B. descriptive phrases
- C. exclamation points
- D. acronyms like "OSHA"

Standard operating procedures (SOPs) say that infectious waste should be disposed in what color bag?

- A. blue
- B. red
- C. white
- D. clear

When transporting a patient in a wheelchair down a steep ramp

- A. turn the chair around and back down the ramp
- B. face the chair forward and push it slowly down the ramp
- C. put one brake on to prevent the chair from moving too quickly
- D. instruct the patient to hold on tight and keep eyes closed

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Notes