

HealthCenter21: Foundations in Health Science Technology Education Correlation to:

National Health Care Foundation Skill Standards

UNITS

INTRODUCTION TO HEALTH SCIENCE

HEALTH CARE SYSTEMS

LEGAL AND ETHICAL RESPONSIBILITIES

MEDICAL TERMINOLOGY

INFECTION CONTROL

COMMUNICATIONS

ANATOMY AND PHYSIOLOGY

HUMAN GROWTH AND DEVELOPMENT

MEDICAL MATHEMATICS

WELLNESS AND NUTRITION

CLIENT STATUS

SAFETY PRECAUTIONS

CPR METHODS

EMERGENCY CARE

PERSONAL QUALITIES

HEALTH CARE CAREERS

JOB SEEKING SKILLS

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Overview

This document demonstrates the correlation between the HealthCenter21: Foundations in Health Science Technology Education curriculum supplied by Applied Educational Systems and the *National Health Care Foundation Skill Standards*, published by the National Consortium on Health Science and Technology Education. The content areas are listed across the top row of the chart. The marks in the columns indicate that the standard is supported as part of the HealthCenter21 course.

Source for standards listed on the following pages:

National Consortium on Health Science and Technology Education. *Accountability Criteria for National Health Care Cluster Foundation Standards*. 2007 <<http://www.nchste.org/>>.

National Health Care Skill Foundation Standards	HealthCenter21: Health Care Foundations	Introduction to Health Science	Health Care Systems	Legal and Ethical Responsibilities	Medical Terminology	Infection Control	Communications	Anatomy and Physiology	Human Growth and Development	Medical Mathematics	Wellness and Nutrition	Client Status	Safety Precautions	CPR Methods	Emergency Care	Personal Qualities	Health Care Careers	Job Seeking Skills
Foundation Standard 1: Academic Foundation																		
1.1 Human Structure and Function																		
1.11 Classify the basic structural and functional organization of the human body including chemical, cellular, tissue, organ, and system	✓							X										
1.12 Recognize body planes, directional terms, quadrants, and cavities	✓							X										
1.13 Analyze the interdependence of the basic structures and functions of the human body as they relate to wellness, disease, disorders, therapies, and care/rehabilitation	✓							X										
1.14 Compare the structure and function of the human body across the lifespan	✓							X	X									
1.2 Diseases and Disorders																		
1.21 Compare diseases/disorders including respective classification(s), prevention, causes, pathogenesis, diagnoses, therapies, and care/rehabilitation	✓							X										
1.22 Investigate biomedical therapies as they relate to the prevention, pathology, and treatment of disease																		
1.23 Discuss complementary/alternative health practices as they relate to the prevention and treatment of disease	✓										X							
1.3 Medical Mathematics																		
1.31 Apply mathematical computations related to healthcare procedures	✓									X		X						
1.32 Apply mathematical principles to conversion equations used in the healthcare delivery system	✓									X								

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	1.33 Apply mathematical principles involving temperature, weights, and measures used in the healthcare delivery system	✓									X		X					
1.34 Apply mathematical principles to problems involving dosage calculations and other applied mathematical concepts	✓									X								
1.35 Analyze diagrams, charts, graphs, and tables to interpret healthcare results	✓									X	X	X						
Foundation Standard 2: Communications																		
2.1 Concepts of Effective Communication																		
2.11 Identify styles and types of verbal and nonverbal communication	✓						X											
2.12 Interpret verbal and nonverbal communication	✓						X					X				X		
2.13 Classify communication styles based on various healthcare scenarios	✓						X											
2.14 Recognize barriers to communication	✓						X											
2.15 Recognize resources to assist in overcoming communication barriers	✓						X											
2.16 Report relevant information in order of occurrence	✓												X	X	X			
2.17 Analyze communications for appropriate response and feedback	✓						X											
2.18 Report subjective and objective information	✓						X											
2.19 Use medical terminology to communicate information including data and observations	✓				X		X				X	X		X	X			

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	2.2 Oral Communications Skills																	
2.21 Recognize the elements of oral communication using a sender-receiver process	✓						X											
2.22 Apply speaking and active listening skills using reflection, restatement, and clarification techniques	✓						X											
2.3 Written Communication Skills																		
2.31 Recognize the elements of written/electronic communication	✓						X											
2.32 Organize technical information and summaries	✓					X						X						
Foundation Standard 3: Systems																		
3.1 Healthcare Delivery Systems																		
3.11 Understand systems theory as it relates to a healthcare delivery system model	✓		X															
3.12 Explain the cause and effect of factors influencing various healthcare delivery systems	✓		X															
3.13 Summarize the interdependence of healthcare professions within a given healthcare delivery system	✓		X														X	
3.14 Interpret the various roles of healthcare providers and clients within the healthcare system	✓		X														X	
3.15 Explain the impact of 21st century emerging issues such as technology, epidemiology, bioethics, and socioeconomics on healthcare systems	✓		X															
Foundation Standard 4: Employability Skills																		

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4.1 Personal Traits of the Healthcare Professional																		
4.11 Classify the personal traits or attitudes desirable in a member of the healthcare team	✓															X		
4.12 Summarize basic professional standards of the healthcare workers as they apply to hygiene, dress, language, confidentiality and behavior (i.e. courtesy and self-introductions)	✓															X		
4.2 Key Employability Skills																		
4.21 Apply key employability skills in a healthcare setting	✓															X	X	
4.22 Exemplify professional characteristics	✓															X		
4.23 Engage in continuous self-assessment and career goal modification for personal and professional growth	✓																X	
4.3 Career Decision-making																		
4.31 Compare potential health science career pathways using a variety of health careers within the diagnostic services, therapeutic services, health informatics services, support services, or biotechnology research and development	✓																X	
4.32 Recognize levels of education, credentialing requirements, employment opportunities, workplace environments, and career growth potential for a service area	✓																X	
4.4 Employability Preparation																		
4.41 Develop components of a professional portfolio	✓																	X
4.42 Execute work assignments and formulate solutions to problems using critical thinking skills	✓		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.43 Demonstrate respectful and empathetic interactions with diverse age, cultural, economic, ethnic, and religious groups in various settings	✓			X			X									X	X	X

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	Foundation Standard 5: Legal Responsibilities																	
5.1 Legal Implications																		
5.11 Understand legal responsibilities and limitations	✓			X														
5.12 Analyze implications of actions	✓			X														
5.13 Implement problem solving techniques when confronted with legal issues	✓			X														
5.14 Explain practices that could result in malpractice, liability, and/or negligence	✓			X														
5.15 Apply procedures for accurate documentation and record keeping	✓			X			X											
5.16 Implement established procedures based on risk management criteria	✓												X					
5.17 Understand an incident report	✓												X					
5.18 Summarize non-discriminatory laws	✓			X														X
5.19 Interpret healthcare facility policies and procedures	✓		X	X		X					X	X	X			X		
5.2 Legal Practices																		
5.21 Implement mandated standards for Health Insurance Portability and Accountability Act (HIPAA)	✓			X														
5.22 Recognize common threats to confidentiality	✓			X			X											
5.23 Summarize clients' rights according to the Patients' Bill of Rights	✓			X														

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	5.24 Understand informed consent	✓			X													
5.25 Compare licensure, certification, registration, and legislated scope of practice of a healthcare professional	✓																X	
5.26 Explain mandated standards for harassment, labor, and employment laws	✓			X														X
Foundation Standard 6: Ethics																		
6.1 Legal and Ethical Boundaries																		
6.11 Differentiate between morality and ethics	✓			X														
6.12 Differentiate between ethical and legal issues impacting healthcare including confidentiality	✓			X														
6.13 Compare personal, professional, and organizational ethics	✓			X														
6.14 Recognize ethical issues and their implications related to healthcare	✓			X														
6.2 Ethical Practice																		
6.21 Apply ethical behaviors including honesty and integrity in a healthcare setting	✓			X									X			X		
6.22 Apply procedures for reporting activities and behaviors that affect the health, safety and welfare of others	✓			X									X					
6.3 Cultural, Social, and Ethnic Diversity																		
6.31 Understand religious and cultural values as they impact healthcare services	✓						X											

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	6.32 Demonstrate respect for individual diversity	✓			X			X									X	
Foundation Standard 7: Safety Practices																		
7.1 Infection Control																		
7.11 Apply infection control procedures including standard precautions	✓					X												
7.12 Compare the different methods of controlling the growth of microorganisms	✓					X												
7.2 Personal Safety																		
7.21 Apply personal safety procedures based on Occupational Safety and Health Administration (OSHA) and Center for Disease Control (CDC) regulations	✓					X							X					
7.22 Apply proper use of personal protective equipment (PPE)	✓					X												
7.23 Apply principles of body mechanics and ergonomics	✓												X					
7.3 Environmental Safety																		
7.31 Evaluate the environment to recognize safe and unsafe working conditions	✓												X					
7.32 Demonstrate methods of fire prevention in the healthcare setting	✓												X					
7.33 Understand proper safety techniques to prevent accidents and to maintain a safe work environment	✓												X					
7.4 Common Safety Hazards																		

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	7.41 Recognize Materials Safety Data Sheets (MSDS)	✓												X				
7.42 Comply with safety signs, symbols, and labels	✓												X					
7.43 Understand implications of hazardous materials	✓												X					
7.44 Apply safety principles within given environments	✓												X					
7.5 Emergency Procedures and Protocols																		
7.51 Explain an evacuation plan for a healthcare setting	✓												X					
7.52 Execute an emergency plan in response to a natural disaster or other emergency	✓												X					
Foundation Standard 8: Teamwork																		
8.1 Healthcare Teams																		
8.11 Understand interdisciplinary roles of team members	✓															X		
8.12 Recognize characteristics of effective teams	✓															X		
8.13 Classify responsibilities of various team members	✓															X		
8.2 Team Member Participation																		
8.21 Recognize methods for building positive team relationships	✓															X		
8.22 Respect and value the expertise and contributions of all team members	✓															X		

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	8.23 Analyze the attributes and attitudes of an effective leader	✓															X	
8.24 Recognize underlying factors and situations that may lead to conflict	✓															X		
8.25 Apply effective techniques for handling team conflict	✓															X		
Foundation Standard 9: Health Maintenance Practices																		
9.1 Healthy Behaviors																		
9.11 Apply behaviors that promote health and wellness	✓										X							
9.12 Describe strategies for the prevention of diseases including health screenings and examinations	✓										X							
9.13 Apply practices that promote the prevention of disease and injury	✓										X							
9.14 Apply appropriate safety practices as related to high-risk behaviors	✓										X							
9.15 Discuss complementary/alternative health practices as they relate to wellness and disease prevention	✓										X							
Foundation Standard 10: Technical Skills																		
10.1 Technical Skills																		
10.11 Apply procedures for measuring and recording vital signs including the normal ranges	✓											X						
10.12 Apply skills to obtain training or certification in Cardiopulmonary Resuscitation (CPR)/Automated External Defibrillator (AED)/Foreign Body Airway Obstruction (FBAO)/First Aid	✓													X				

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Foundation Standard 11: Information Technology Applications																		
11.1 Health Information Management																		
11.11 Identify records and files common to the healthcare setting	✓						X											
11.12 Execute data management using electronic healthcare records																		
11.13 Interpret information from electronic medical documents																		
11.14 Understand the content and diverse uses of health information	✓						X											
11.2 Information Technology																		
11.21 Implement communications using technology (i.e. Fax, E-mail, and Internet) to access and distribute data and other information	✓						X											
11.22 Execute the use of software, hardware, and the Internet	✓		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11.23 Recognize computer applications currently being used in today's healthcare setting																		