

HealthCenter21: Foundations in Health Science Technology Education Correlation to:

## ***Kentucky: HEA 102 – Health Sciences Introduction***

### **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**

***APPLIED EDUCATIONAL SYSTEMS, Inc.***

**(800) 220-2175**

**[www.aeseducation.com](http://www.aeseducation.com)**

## Overview

This document demonstrates the correlation between the HealthCenter21: Foundations in Health Science Technology Education curriculum supplied by Applied Educational Systems and the *HEA 102 – Health Sciences Introduction*, published by The Kentucky Tech Curriculum. 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:

The Kentucky Tech Curriculum. *HEA 102 – Health Sciences Introduction*. 12/1/06

<<http://www.kytechcurriculum.org/default.asp>>.

HEA 102 – Health Sciences Introduction	HealthCenter21	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
1 Identify medical/health care milestones that have led to advances in health care	✓		X															
2 Demonstrate basic mathematical skills	✓									X								
3 Demonstrate an understanding and application of Roman numerals	✓									X								
4 Demonstrate the ability to convert Greenwich (standard) time to military time	✓									X								
5 Convert apothecary and household measures to metric equivalents	✓									X								
6 Describe systems theory and its components	✓		X															
7 Construct a general systems model using inputs, throughputs and a feedback loop	✓		X															
8 Construct a health care delivery system model	✓		X															
9 Predict where and how factors such as cost, managed care, technology, an aging population, access to care, alternative therapies, and lifestyle/behavior may affect various health delivery system models.	✓		X															
10 Predict outcomes as interconnected components of a modified health care system	✓		X															
11 Calculate the cost effectiveness of two separate health care delivery systems using the same client procedures	✓		X															
12 Research the organizational structures and services of various types of health care facilities	✓		X															
13 Differentiate between various types of health care insurance plans	✓		X															
14 Explain philosophy of hospice care								X										

HealthCenter21: Correlation to: Kentucky - HEA 102 – Health Sciences Introduction

HEA 102 – Health Sciences Introduction	HealthCenter21	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
15 Diagram the interdependence of health care professions within a health care delivery system and pertaining to the delivery of quality health care	✓		X															
16 Design a system analysis process that evaluates the following outcomes: client satisfaction, productivity, cost effectiveness, and efficiency																		
17 Analyze the cause and effect on health care system change based on the influence of technology epidemiology, bio-ethics, socioeconomic and various forms of complimentary (nontraditional) medicine	✓		X															
18 Identify and explore commonly used defense mechanisms	✓								X									
19 Evaluate Maslow's hierarchy of needs	✓								X									
20 Demonstrate the use of positive communication techniques	✓						X											
21 Utilize two types of communication	✓						X											
22 Explore possible barriers to communication	✓						X											
23 Identify stress management techniques	✓						X											
24 Compare communication across the life span	✓						X		X									
25 Relate and communicate multicultural and multilingual needs	✓						X											
26 Differentiate between subjective and objective information	✓						X											
27 Analyze oral and written communications for appropriate response and provide feedback	✓						X											
28 Maintain confidentiality	✓		X			X												

HealthCenter21: Correlation to: Kentucky - HEA 102 – Health Sciences Introduction

HEA 102 – Health Sciences Introduction	HealthCenter21	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
29 Evaluate technological threats to confidentiality	✓			X			X											
30 Maintain clients rights according to the Patient's Bill of Rights	✓			X														
31 Interpret Patient's Bill of Rights	✓			X														
32 Discuss patient/client confidentiality	✓			X														
33 Analyze malpractice and liability issues	✓			X														
34 Discuss the cost of malpractice insurance for various professions	✓			X														
35 Analyze legal responsibilities, limitations, and implications of actions	✓			X														
36 Use problem solving techniques then confronted with legal dilemmas or issues	✓			X														
37 Practice within licensure, certification registration, and legislated scope of practice	✓			X														
38 Differentiate between morality and ethics and relationship of each in health care outcomes	✓			X														
39 Differentiate between ethical and legal issues impacting health care	✓			X														
40 Contrast personal profit and organizational ethics	✓			X														
41 Analyze legal and ethical aspects of confidentiality	✓			X														
42 Discuss bio-ethical issues related to health care	✓			X														
43 Analyze and evaluate the implications of medical ethics	✓			X														

HealthCenter21: Correlation to: Kentucky - HEA 102 – Health Sciences Introduction

HEA 102 – Health Sciences Introduction	HealthCenter21	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
44 Demonstrate professionalism when interacting with fellow students, co-workers, and clients	✓															X		
45 Respect interdisciplinary roles of team members	✓															X		
46 Report activities and behaviors by self and others that adversely affect the health, safety, or welfare of students, clients, and co-workers	✓															X		
47 Demonstrate fairness and equal treatment of all persons	✓															X		
48 Compare and contrast multicultural, multilingual needs	✓						X									X		
49 Value clients independence and determination	✓			X														
50 Practice responsibility within the ethical framework of the Patient Bill of Rights	✓			X														
51 Interpret regulation, guidelines/standards related to health care	✓			X														
52 Discuss the impact of religions and culture on those giving and receiving health care with an understanding of past and present events	✓						X											
53 Demonstrate respect of individual cultural, social, and ethnic diversity within the health care environment	✓			X			X									X		
54 Conduct a personality inventory																		
55 Describe the role of professional organization in a career major area	✓																X	
56 Describe the qualities of a successful leader	✓															X		
57 Demonstrate conflict management skills	✓															X		

HealthCenter21: Correlation to: Kentucky - HEA 102 – Health Sciences Introduction

HEA 102 – Health Sciences Introduction	HealthCenter21	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
58 Explore a potential health science career path in at least one of the following health care services: Diagnostic, Therapeutic, Informational, Environmental	✓																X	
59 Identify and explore the two career majors in the health cluster	✓																X	
60 Demonstrate a basic skill used in a career major area	✓																X	
61 Investigate advantages and disadvantages of following a career in the health care field	✓																X	
62 Describe factors to consider when choosing an occupation	✓																X	
63 Incorporate HOSA using competitive event guidelines, leadership and team skills in all content areas.																		