Health Science I

Standards, Competencies, & Evidence of Mastery

This document accompanies the Missouri Health Science I Instructional Framework and lists the standards and competencies from the National Healthcare Skill Standards relevant to the Missouri Health Science I Instructional Framework. The Health Science I instructional framework covers Health Science I (Orientation to Health Occupations, Career Exploration, and Foundations of Health/Personal & Community Health). Also included are evidence of mastery statements aligned to the instructional framework. The standards and competencies are listed and coded according to their order in the National Healthcare Skill Standards, published by the National Consortium for Health Science Education.

Potential Content:

Career Exploration; Health Careers Pathways

College Prep

Math

Medical Terminology

Communication

Safety

Diseases, including STDs

Health Care Systems

Soft Skills, Customer Service

Drugs, including Tobacco

Personal Health, Community Health, Global Health, Adolescent Health

Teams

Nutrition

Legal/Ethical

Informatics

Infection Control

Foundation Standard 1: Academic Foundation

Healthcare professionals will know the academic subject matter required for proficiency within their area. They will use this knowledge as needed in their role. The following accountability criteria are considered essential for students in a health science program of study.

1.3 Medical Mathematics

1.31 Apply mathematical computations related to healthcare procedures (metric and household, conversions and measurements).

1.32 Analyze diagrams, charts, graphs, and tables to interpret healthcare results.

1.33 Record time using the 24-hour clock.

Foundation Standard 2: Communications

Healthcare professionals will know the various methods of giving and obtaining information. They will communicate effectively, both orally and in writing.

2.1 Concepts of Effective Communication

2.11 Interpret verbal and nonverbal communication.

2.12 Recognize barriers to communication.

2.13 Report subjective and objective information.

2.14 Recognize the elements of communication using a sender-receiver model.

2.15 Apply speaking and active listening skills.

2.2 Medical Terminology

2.21 Use roots, prefixes, and suffixes to communicate information.

2.22 Use medical abbreviations to communicate information.

2.3 Written Communication Skills

2.31 Recognize elements of written and electronic communication (spelling, grammar, and formatting).

Foundation Standard 3: Systems

Healthcare professionals will understand how their role fits into their department, their organization and the overall healthcare environment. They will identify how key systems affect services they perform and quality of care.

3.1 Healthcare Delivery Systems

3.11 Understand the healthcare delivery system (public, private, government, and non-profit).

3.12 Explain the factors influencing healthcare delivery systems.

3.13 Describe the responsibilities of consumers within the healthcare system.

3.14 Explain the impact of emerging issues such as technology, epidemiology, bioethics, and socioeconomics on healthcare delivery systems.

3.15 Discuss common methods of payment for healthcare.

Foundation Standard 4: Employability Skills

Healthcare professionals will understand how employability skills enhance their employment opportunities and job satisfaction. They will demonstrate key employability skills and will maintain and upgrade skills, as needed.

4.1 Personal Traits of the Healthcare Professional

4.11 Classify the personal traits and attitudes desirable in a member of the healthcare team.

4.12 Summarize professional standards as they apply to hygiene, dress, language, confidentiality and behavior.

4.2 Employability Skills

4.21 Apply employability skills in healthcare.

4.3 Career Decision-Making

4.31 Discuss levels of education, credentialing requirements, and employment trends in healthcare.

4.32 Compare careers within the health science career pathways (diagnostic services, therapeutic services, health informatics, support services, or biotechnology research and development).

4.4 Employability Preparation

    4.41 Develop components of a personal portfolio.

    4.42 Demonstrate the process for obtaining employment.

Foundation Standard 5: Legal Responsibilities

Healthcare professionals will understand the legal responsibilities, limitations, and implications of their actions within the healthcare delivery setting. They will perform their duties according to regulations, policies, laws and legislated rights of clients.

5.1 Legal Implications

    5.11 Analyze legal responsibilities.

    5.12 Apply procedures for accurate documentation and record keeping.

5.2 Legal Practices

    5.21 Apply standards for Health Insurance Portability and Accountability Act (HIPAA).

    5.22 Describe advance directives.

    5.23 Summarize the Patient's Bill of Rights.

    5.24 Understand informed consent.

    5.25 Explain laws governing harassment, labor and scope of practice.

Foundation Standard 6: Ethics

Healthcare professionals will understand accepted ethical practices with respect to cultural, social, and ethnic differences within the healthcare environment. They will perform quality healthcare delivery.

6.1 Ethical Boundaries

    6.11 Differentiate between ethical and legal issues impacting healthcare.

    6.12 Recognize ethical issues and their implications related to healthcare.

6.2 Ethical Practice

    6.21 Apply procedures for reporting activities and behaviors that affect the health, safety, and welfare of others.

6.3 Cultural, Social, and Ethnic Diversity

    6.31 Understand religious and cultural values as they impact healthcare.

    6.32 Demonstrate respectful and empathetic treatment of ALL patients/clients (customer service).

Foundation Standard 7: Safety Practices

Healthcare professionals will understand the existing and potential hazards to clients, co-workers, and self. They will prevent injury or illness through safe work practices and follow health and safety policies and procedures.

7.1 Infection Control

7.11 Explain principles of infection control.

7.12 Describe methods of controlling the spread and growth of microorganisms.

7.2 Personal Safety

7.21 Apply personal safety procedures based on Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) regulations.

7.22 Apply principles of body mechanics.

7.4 Common Safety Hazards

7.41 Comply with safety signs, symbols, and labels.

7.42 Understand implications of hazardous materials.

7.5 Emergency Procedures and Protocols

7.51 Practice fire safety in a healthcare setting.

7.52 Apply principles of basic emergency response in natural disasters and other emergencies.

Foundation Standard 8: Teamwork

Healthcare professionals will understand the roles and responsibilities of individual members as part of the healthcare team, including their ability to promote the delivery of quality healthcare. They will interact effectively and sensitively with all members of the healthcare team.

8.1 Healthcare Teams

8.11 Understand roles and responsibilities of team members.

8.12 Recognize characteristics of effective teams.

Foundation Standard 9: Health Maintenance Practices

Healthcare professionals will understand the fundamentals of wellness and the prevention of disease processes. They will practice preventive health behaviors among the clients.

9.1 Healthy Behaviors

9.11 Apply behaviors that promote health and wellness.

9.12 Describe strategies for the prevention of diseases including health screenings and examinations.

9.13 Discuss complementary (alternative) health practices as they relate to wellness and disease prevention.

Foundation Standard 11: Information Technology Applications

Healthcare professionals will use information technology applications required within all career specialties. They will demonstrate use as appropriate to healthcare applications.

11.2 Information Technology

11.21 Communicate using technology to access and distribute data and other information.

11.22 Maintain the security and confidentiality of electronic patient information adhering to workplace policies.