

Health Science II (Health Science Fundamentals)

Standards, Competencies, & Evidence of Mastery

This document accompanies the Missouri Health Science II Instructional Framework and lists the standards and competencies from the National Healthcare Skill Standards relevant to the Missouri Health Science II Instructional Framework. 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:

Nutrition	Communication	Soft Skills, Customer Service
Geriatrics	Cultural Awareness	Career Technical Student Organizations
Human Growth & Development	Safety, Body Mechanics, Basic Life Support for Healthcare Providers,	Micro-3
Informatics	Occupational Safety and Health Administration, Fire, Personal Protective Equipment, Infection Control,	Infection Control Teams
Maslow's Hierarchy of Needs	Health Insurance Portability and Accountability Act	Community Service
Technical Skills, including First Aid and Cardiopulmonary Resuscitation (CPR)		

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.

2.3 Written Communication Skills

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

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.

7.3 Environmental Safety

- 7.31 Apply safety techniques in the work environment.

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.

8.2 Team Member Participation

- 8.21 Recognize methods for building positive team relationships.
- 8.22 Analyze attributes and attitudes of an effective leader.
- 8.23 Apply effective techniques for managing team conflict.

***Foundation Standard 10: Technical Skills**

Healthcare professionals will apply technical skills required for all career specialties. They will demonstrate skills and knowledge as appropriate.

10.1 Technical Skills

10.11 Apply procedures for measuring and recording vital signs including the normal ranges.

10.12 Apply skills to obtain training or certification in cardiopulmonary resuscitation (CPR), automated external defibrillator (AED), foreign body airway obstruction (FBAO) and first aid.

*Additional technical skills may be included in a program of study based on career specialties.