South Carolina CTE

# Healthcare Science 1 - Foundations of Healthcare Professions (2025)

**COMMUNICATION: Demonstrate methods of delivering and obtaining information, while communicating effectively.** 1.0

1 **Concepts of Effective Communication** 1.1

1 Model verbal and nonverbal therapeutic communication. 1.1.1

2 Identify common barriers to communication. 1.1.2

1 Physical disabilities 1.1.2.1

a Aphasia 1.1.2.1.A

b Developmental level 1.1.2.1.B

c Hearing loss 1.1.2.1.C

d Impaired vision 1.1.2.1.D

2 Psychological barriers 1.1.2.2

a Attitudes 1.1.2.2.A

b Bias 1.1.2.2.B

c Prejudice 1.1.2.2.C

d Stereotyping 1.1.2.2.D

3 Language barriers 1.1.2.3

3 Distinguish between subjective and objective information. 1.1.3

4 Interpret elements of communication using sender-message-receiver feedback model. 1.1.4

5 Modify communication to meet the needs of the patient/client and be appropriate to the situation. 1.1.5

6 Describe appropriate interactions with patients throughout various stages of psychosocial development. 1.1.6

2 **Medical Terminology** 1.2

1 Define and recognize entry level medical terminology related to healthcare to communicate information specific to course content. This language may include: 1.2.1

Skip to main content

| | |
|---|---|
| **Active listening** 1.1.1.A | **a** **Active listening** 1.1.1.A |
| **Reflecting** 1.1.1.B | **b** **Reflecting** 1.1.1.B |
| **Silence** 1.1.1.C | **c** **Silence** 1.1.1.C |
| **Summarizing** 1.1.1.D | **d** **Summarizing** 1.1.1.D |
| **Root words** 1.2.1.A | **a** **Root words** 1.2.1.A |
| **Prefixes** 1.2.1.B | **b** **Prefixes** 1.2.1.B |
| **Suffixes** 1.2.1.C | **c** **Suffixes** 1.2.1.C |
| **Abbreviations** 1.2.1.D | **d** **Abbreviations** 1.2.1.D |

**TEAMWORK: Identify roles and responsibilities of individual members as part of the healthcare team.** 2.0

1. **Evaluate roles and responsibilities of healthcare team members.** 2.1
2. **Identify characteristics of effective teams.** 2.2
3. **Team Member Participation** 2.3
    1. Recognize methods for building positive team relationships. 2.3.1

Skip to main content

2 Analyze attributes and attitudes of an effective leader. 2.3.2

1 Characteristics 2.3.2.1

a Focused and driven 2.3.2.1.A

b Interpersonal skills 2.3.2.1.B

c Motivates and inspires 2.3.2.1.C

d Organized and balanced 2.3.2.1.D

2 Types 2.3.2.2

a Autocratic 2.3.2.2.A

b Democratic 2.3.2.2.B

c Laissez faire 2.3.2.2.C

3 Roles 2.3.2.3

a Communicates vision 2.3.2.3.A

b Leads change 2.3.2.3.B

c Manages accountability 2.3.2.3.C

4 Apply effective techniques for managing team conflict. 2.3.2.4

a Communicate assertively 2.3.2.4.A

b Gather the facts 2.3.2.4.B

c Mediate disputes 2.3.2.4.C

d Negotiate resolutions 2.3.2.4.D

e Set clear expectations 2.3.2.4.E

5 Evaluate why teamwork is an important part of healthcare and how it improves patient care. 2.3.2.5

| | |
|---|---|
| **Examples of healthcare teams** 2.1.A | **a Examples of healthcare teams** 2.1.A |
| **Responsibilities of team members** 2.1.B | **b Responsibilities of team members** 2.1.B |
| **Benefits of teamwork** 2.1.C | **c Benefits of teamwork** 2.1.C |
| **Collaboration** 2.2.A | **a Collaboration** 2.2.A |
| **Defined roles** 2.2.B | **b Defined roles** 2.2.B |
| **Eff co** Skip to main content | **ffective communication** 2.2.C |

| | |
|---|---|
| **Effective leadership** 2.2.D | **d Effective leadership** 2.2.D |
| **Measurable processes and outcomes** 2.2.E | **e Measurable processes and outcomes** 2.2.E |
| **Mutual respect** 2.2.F | **f Mutual respect** 2.2.F |
| **Shared goals** 2.2.G | **g Shared goals** 2.2.G |
| **HEALTH MAINTENANCE PRACTICES: Differentiate between wellness and disease. Promote disease prevention and model healthy behaviors.** 3.0 | **1 Healthy Behaviors** 3.1<br>1 Promote self-care behaviors of health and wellness. 3.1.1<br>2 Examine various aspects of behavioral health. 3.1.2<br>3 Describe public health strategies for prevention of disease. 3.1.3<br>4 Investigate complementary and alternative health practices as they relate to wellness and disease prevention. 3.1.4<br>**2 Healthcare Across the Lifespan** 3.2<br>1 Discuss religious and cultural values as they impact healthcare. 3.2.1<br>2 Demonstrate respectful and empathetic treatment of ALL patients/clients. 3.2.2<br>**3 History of Healthcare** 3.3<br>1 Describe healthcare history and medical advances 3.3.1 |
| **Exercise** 3.1.1.A | **a Exercise** 3.1.1.A |
| **Nutrition** 3.1.1.B | **b Nutrition** 3.1.1.B |
| **Relationships** 3.1.1.C | **c Relationships** 3.1.1.C |
| **Sleep habits** 3.1.1.D | **d Sleep habits** 3.1.1.D |
| **Stress management** 3.1.1.E | **e Stress management** 3.1.1.E |
| **Weight control** 3.1.1.F | **f Weight control** 3.1.1.F |
| **Anxiety** 3.1.2.A | **a Anxiety** 3.1.2.A |
| **De** | **epression** 3.1.2.B |

Skip to main content

| | |
|---|---|
| **Substance abuse** 3.1.2.C | **c** **Substance abuse** 3.1.2.C |
| **Suicide** 3.1.2.D | **d** **Suicide** 3.1.2.D |
| **Community health education outreach programs** 3.1.3.A | **a** **Community health education outreach programs** 3.1.3.A |
| **Immunizations** 3.1.3.B | **b** **Immunizations** 3.1.3.B |
| **Routine physical exams- Medical, dental, and mental health screenings** 3.1.3.C | **c** **Routine physical exams- Medical, dental, and mental health screenings** 3.1.3.C |
| **Self-care behaviors** 3.1.3.D | **d** **Self-care behaviors** 3.1.3.D |
| **Eastern medicine** 3.1.4.A | **a** **Eastern medicine** 3.1.4.A |
| **Holistic medicine** 3.1.4.B | **b** **Holistic medicine** 3.1.4.B |
| **Homeopathic medicine** 3.1.4.C | **c** **Homeopathic medicine** 3.1.4.C |
| **Manipulative medicine** 3.1.4.D | **d** **Manipulative medicine** 3.1.4.D |
| **Ageism** 3.2.1.A | **a** **Ageism** 3.2.1.A |
| **Ethnicity** 3.2.1.B | **b** **Ethnicity** 3.2.1.B |
| **Gender** 3.2.1.C | **c** **Gender** 3.2.1.C |
| **Race** 3.2.1.D | **d** **Race** 3.2.1.D |
| **Religion** 3.2.1.E | **e** **Religion** 3.2.1.E |
| **Civ** | **ivility** 3.2.2.A |

Skip to main content

| | |
|---|---|
| **Customer service** 3.2.2.B | **b Customer service** 3.2.2.B |
| **Patient satisfaction** 3.2.2.C | **c Patient satisfaction** 3.2.2.C |

**SAFETY PRACTICES: Identify existing and potential hazards to clients, co-workers, and self. Employ safe work practices and follow health and safety policies and procedures to prevent injury and illness.** 4.0

- **1 Infection Control** 4.1
  - 1 Explain principles of infection transmission. 4.1.1
    - 1 Identify classifications of pathogens 4.1.1.1
      - a Bacteria 4.1.1.1.A
      - b Fungi 4.1.1.1.B
      - c Parasites 4.1.1.1.C
      - d Protozoa 4.1.1.1.D
      - e Viruses 4.1.1.1.E
    - 2 Describe characteristics of microorganisms 4.1.1.2
      - a Aerobic 4.1.1.2.A
      - b Anaerobic 4.1.1.2.B
      - c Non-pathogenic 4.1.1.2.C
      - d Pathogenic 4.1.1.2.D
    - 3 Recognize chain of infection 4.1.1.3
    - 4 Describe mode of transmission 4.1.1.4
      - a Common vehicles (air, food, water) 4.1.1.4.A
      - b Direct 4.1.1.4.B
      - c Healthcare-associated infections (nosocomial) 4.1.1.4.C
      - d Indirect 4.1.1.4.D
      - e Opportunistic 4.1.1.4.E
      - f Vectors 4.1.1.4.F

Skip to main content

2 Differentiate methods of controlling the spread and growth of pathogens. 4.1.2

1 Asepsis 4.1.2.1

a Antisepsis 4.1.2.1.A

b Disinfection 4.1.2.1.B

c Sanitization 4.1.2.1.C

d Sterile technique 4.1.2.1.D

e Sterilization 4.1.2.1.E

2 Standard precautions 4.1.2.2

a Environmental cleaning 4.1.2.2.A

b Handwashing 4.1.2.2.B

c Gloving 4.1.2.2.C

d Personal Protective Equipment (PPE) 4.1.2.2.D

3 Isolation precautions 4.1.2.3

a Transmission-based contact 4.1.2.3.A

4 Bloodborne pathogen precautions 4.1.2.4

5 Vaccinations 4.1.2.5

**2 Personal Safety** 4.2

1 Apply personal safety procedures based on Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) regulations. 4.2.1

2 Explore principles of body mechanics 4.2.2

3 Demonstrate and apply the use of personal protective equipment (PPE). 4.2.3

**3 Environmental Safety** 4.3

1 Apply safety techniques in the work environment. 4.3.1

**4 Common Safety Hazards** 4.4

1 Observe all safety standards related to the occupational exposure to hazardous chemicals standard (safety data sheets [SDS]). 4.4.1

2 Comply with safety signs, symbols, and labels. 4.4.2

**5 Emergency Procedures and Protocols** 4.5

1 Differentiate fire safety protocols in a healthcare setting. 4.5.1

2 Apply principles of basic emergency response in natural disasters and other emergencies (safe location, contact emergency personnel, follow facility protocols). 4.5.2

| | |
|---|---|
| **Positioning** 4.2.2.B | **b** Positioning 4.2.2.B |
| **Ergonomics** 4.3.1.A | **a** Ergonomics 4.3.1.A |
| **Patient/client/employee safety measures** 4.3.1.B | **b** Patient/client/employee safety measures 4.3.1.B |
| **Safe operation of equipment** 4.3.1.C | **c** Safe operation of equipment 4.3.1.C |
| **PASS** 4.5.1.A | **a** PASS 4.5.1.A |
| **RACE** 4.5.1.B | **b** RACE 4.5.1.B |
| **Types of Extinguishers** 4.5.1.C | **c** Types of Extinguishers 4.5.1.C |
| **TECHNICAL SKILLS: Apply technical skills required for all career specialties and demonstrate skills and knowledge as appropriate.** 5.0 | **1** Obtain training or certification 5.1<br>**2** Academic Foundation Skills 5.2 |
| **Automated external defibrillator (AED)** 5.1.A | **a** Automated external defibrillator (AED) 5.1.A |
| **Cardiopulmonary resuscitation (CPR)- hands only** 5.1.B | **b** Cardiopulmonary resuscitation (CPR)- hands only 5.1.B |
| **First aid** 5.1.C | **c** First aid 5.1.C |
| **Foreign body airway obstruction (FBAO)** 5.1.D | **d** Foreign body airway obstruction (FBAO) 5.1.D |
| **Stop the Bleed** 5.1.E | **e** Stop the Bleed 5.1.E |
| **Recognize and convert traditional numbers to roı** | **a** Recognize and convert traditional numbers to roman numerals. 5.2.A |

Skip to main content

| | |
|---|---|
| **Recognize and convert traditional time to military time.** 5.2.B | **b Recognize and convert traditional time to military time.** 5.2.B |
| **EMPLOYABILITY SKILLS: Utilize employability skills to enhance employment opportunities and job satisfaction.** 6.0 | **1 Personal Traits of the Health Professional** 6.1<br>1 Identify personal traits and attitudes desirable in a career ready member of a health team. 6.1.1<br>2 Summarize professional standards as they apply to hygiene, dress, language, confidentiality and behavior. 6.1.2<br>**2 Employability Skills** 6.2<br>1 Apply employability skills in healthcare. 6.2.1<br>**3 Career Decision-making** 6.3<br>1 Research levels of education, credentialing requirements, and employment trends in health professions. 6.3.1<br>2 Distinguish differences among careers within a health science pathway. 6.3.2<br>3 Summarize and demonstrate professional standards as they apply to professional behavior and appearance. 6.3.3<br>**4 Employability Preparation** 6.4<br>1 Develop components of a personal portfolio. 6.4.1<br>2 Identify strategies for pursuing employment. 6.4.2<br>3 Demonstrate leadership and professional skills by discussing and participating in health science activities such as: 6.4.3 |
| **Acceptance of criticism** 6.1.1.A | **a Acceptance of criticism** 6.1.1.A |
| **Competence** 6.1.1.B | **b Competence** 6.1.1.B |
| **Dependability** 6.1.1.C | **c Dependability** 6.1.1.C |
| **Discretion** 6.1.1.D | **d Discretion** 6.1.1.D |
| **Empathy** 6.1.1.E | **e Empathy** 6.1.1.E |
| **Enthusiasm** 6.1.1.F | **f Enthusiasm** 6.1.1.F |
| **Honesty** 6.1.1.G | **g Honesty** 6.1.1.G |
| **Ini** Skip to main content | **nitiative** 6.1.1.H |

| | |
|---|---|
| **Integrity** 6.1.1.I | **i** **Integrity** 6.1.1.I |
| **Patience** 6.1.1.J | **j** **Patience** 6.1.1.J |
| **Positive Attitude** 6.1.1.K | **k** **Positive Attitude** 6.1.1.K |
| **Responsibility** 6.1.1.L | **l** **Responsibility** 6.1.1.L |
| **Self-motivation** 6.1.1.M | **m** **Self-motivation** 6.1.1.M |
| **Social and cultural competence** 6.1.1.N | **n** **Social and cultural competence** 6.1.1.N |
| **Tact** 6.1.1.O | **o** **Tact** 6.1.1.O |
| **Team player** 6.1.1.P | **p** **Team player** 6.1.1.P |
| **Willingness to learn** 6.1.1.Q | **q** **Willingness to learn** 6.1.1.Q |
| **Chain of command** 6.2.1.A | **a** **Chain of command** 6.2.1.A |
| **Communication skills** 6.2.1.B | **b** **Communication skills** 6.2.1.B |
| **Customer service** 6.2.1.C | **c** **Customer service** 6.2.1.C |
| **Decision making** 6.2.1.D | **d** **Decision making** 6.2.1.D |
| **Flexible** 6.2.1.E | **e** **Flexible** 6.2.1.E |
| **Organization** 6.2.1.F | **f** **Organization** 6.2.1.F |
| **Problem solving** 6.2.1.G | **g** **Problem solving** 6.2.1.G |
| **Scope of pra** | **h** **Scope of practice** 6.2.1.H |

Skip to main content

| | |
|---|---|
| **Time management** 6.2.1.I | **i** **Time management** 6.2.1.I |
| **Work ethic** 6.2.1.J | **j** **Work ethic** 6.2.1.J |
| **Biotechnology research and development** 6.3.2.A | **a** **Biotechnology research and development** 6.3.2.A |
| **Diagnostic services** 6.3.2.B | **b** **Diagnostic services** 6.3.2.B |
| **Health informatics** 6.3.2.C | **c** **Health informatics** 6.3.2.C |
| **Support services** 6.3.2.D | **d** **Support services** 6.3.2.D |
| **Therapeutic services** 6.3.2.E | **e** **Therapeutic services** 6.3.2.E |
| **Hygiene** 6.3.3.A | **a** **Hygiene** 6.3.3.A |
| **Dress** 6.3.3.B | **b** **Dress** 6.3.3.B |
| **Language** 6.3.3.C | **c** **Language** 6.3.3.C |
| **Confidentiality** 6.3.3.D | **d** **Confidentiality** 6.3.3.D |
| **Community Service / Service Learning** 6.4.1.A | **a** **Community Service / Service Learning** 6.4.1.A |
| **Credentials** 6.4.1.B | **b** **Credentials** 6.4.1.B |
| **Leadership examples** 6.4.1.C | **c** **Leadership examples** 6.4.1.C |
| **Mock interview** 6.4.1.D | **d** **Mock interview** 6.4.1.D |
| **Oral report** 6.4.1.E | **e** **Oral report** 6.4.1.E |

Skip to main content

| | |
|---|---|
| **Personal statement** 6.4.1.F | **f** **Personal statement** 6.4.1.F |
| **Professional/student organization memberships** 6.4.1.G | **g** **Professional/student organization memberships** 6.4.1.G |
| **Resume** 6.4.1.H | **h** **Resume** 6.4.1.H |
| **Sample projects** 6.4.1.I | **i** **Sample projects** 6.4.1.I |
| **Technology skills** 6.4.1.J | **j** **Technology skills** 6.4.1.J |
| **Work-based learning documentation** 6.4.1.K | **k** **Work-based learning documentation** 6.4.1.K |
| **Writing sample** 6.4.1.L | **l** **Writing sample** 6.4.1.L |
| **Employer websites** 6.4.2.A | **a** **Employer websites** 6.4.2.A |
| **Internships** 6.4.2.B | **b** **Internships** 6.4.2.B |
| **Personal networking** 6.4.2.C | **c** **Personal networking** 6.4.2.C |
| **Social media** 6.4.2.D | **d** **Social media** 6.4.2.D |
| **Soft Skills** 6.4.2.E | **e** **Soft Skills** 6.4.2.E |
| **Role-play scenarios** 6.4.3.A | **a** **Role-play scenarios** 6.4.3.A |
| **HOSA Future Health Professionals activities** 6.4.3.B | **b** **HOSA Future Health Professionals activities** 6.4.3.B |
| **Personal networking** 6.4.3.C | **c** **Personal networking** 6.4.3.C |
| **Jo or** Skip to main content | **ob Shadowing (virtual or in person)** 6.4.3.D |

**Field studies** 6.4.3.E

e **Field studies** 6.4.3.E

**Service project** 6.4.3.F

f **Service project** 6.4.3.F