South Carolina CTE

Health Science 2 (2019)

Foundation Standard 1: Academic Foundation 1

1. **Demonstrate the ability to analyze diagrams, charts, graphs, and tables to interpret healthcare results. 3. Identify basic levels of organization of the human body. a. Identify the major human body systems and their basic function.** 1.1

2. **Demonstrate competency in basic math skills and conversions as they relate to healthcare.** 1.2
   - a The Metric System, i.e. centi-, milli-, and kilo 1.2A
   - b Mathematical (average, ratios, fractions, percentages, addition, subtraction, multiplication, division). 1.2B
   - c Conversions (height, weight/mass, length, volume, temperature, household measurements) 1.2C
   - d Perform mathematical applications to determine vital sign applications and basic pharmacology equations. 1.2D

3. **Identify basic levels of organization of the human body. a. Identify the major human body systems and their basic function.** 1.3
   - a Identify the major human body systems and their basic function. 1.3A

Foundation Standard 2: Communications 2

1. **Report and identify subjective and objective information.** 2.1
2. **Recognize and interpret elements of written and electronic communication (spelling, grammar, formatting, and confidentiality).** 2.2
3. **Prepare examples of technical, informative and creative writing.** 2.3
4. **Document, report, and communicate in a straightforward, understandable, accurate, and timely manner (such as: how to correct errors, read labels, report information and data, and provide hand-off reports).** 2.4
5. **Apply and practice active speaking and listening skills.** 2.5
6. **Modify communication to meet the needs of the patient/client and be appropriate to the situation.** 2.6

Foundation Standard 3: Systems 3

1. **Explain factors influencing healthcare delivery systems. (Example: Affordable Care Act, aging populations etc.)** 3.1

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	2. **Discuss common methods of payment for healthcare to include Medicaid, Medicare, TRICARE, private insurance, worker's compensation, etc.** 3.2
	3. **Describe responsibilities of consumers within the healthcare system related to admission, discharge, and follow-up (such as: self-advocacy, patient compliance, provider and consumer obligations).** 3.3
	4. **Assess and explain the impact of emerging issues such as technology, epidemiology, genetics, bioethics, and socioeconomics on healthcare delivery systems.** 3.4
Foundation Standard 4: Employability Skills 4	1. **Participate in job-based scenarios (role play, case studies, job shadowing) that allow for application of personal traits, attitudes, and employability skills desirable in a member of the healthcare team. (such as: dealing with the tardy employee, satisfying the unhappy patient, conflict resolution with a fellow team member)** 4.1
	2. **Demonstrate process and strategies for obtaining and retaining employment. (proper use of social media, personal networking, soft skills, job sites, internships).** 4.2
	3. **Develop and expand components of a personal portfolio (letter of introduction, resume, healthcare project, writing sample, work-based learning, oral presentation, service learning, credentials, technology, and leadership experience).** 4.3
	4. **Showcase personal traits, attitudes, and employability skills desirable in a member of the healthcare team through participation in healthcare work-based learning experiences (guest speakers, virtual tours, job shadowing, virtual job shadowing, blood drives, community service projects, HOSA, etc.).** 4.4
	5. **Expand upon components of a personal portfolio (letter of introduction, resume, healthcare project, writing sample, work-based learning, oral presentation, service learning, credentials, technology, and leadership experience).** 4.5
	6. **Demonstrate professional and leadership skills by participating in experiences through HOSA. (whether as a member or as a participant in a HOSA sponsored event)** 4.6
Foundation Standard 5: Legal Responsibilities 5	1. **Explain practices that could result in malpractice, liability, and/or negligence (to include civil law, criminal law, torts, and contracts.) Summarize laws governing harassment, labor, and scope of practice.** 5.1
	2. **Apply procedures for accurate documentation and record keeping (for example, legally correcting errors on medical records, etc.)** 5.2

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	3. **Describe and apply standards for safety, privacy, and confidentiality of the Health Insurance Portability and Accountability Act (HIPAA privileged communication).** 5.3
	4. **Describe advance directives, informed consent and explore the Patient's and Residents Bill of Rights.** 5.4
Foundation Standard 6: Ethics 6	1. **Differentiate between ethical and legal issues impacting healthcare.** 6.1 a Recognize and identify ethical and legal issues and their implications related to healthcare (such as organ donation, in vitro fertilization, euthanasia, scope of practice, ethics committee, etc.) 6.1A
	2. **Discuss bioethical issues related to healthcare.** 6.2
	3. **Apply ethical behaviors in healthcare including personal, professional, and organizational ethics.** 6.3
	4. **Discuss and utilize procedures for reporting activities and behaviors that affect health, safety, and welfare of others (such as an incident report)** 6.4
	5. **Identify stages of death and dying** 6.5
Foundation Standard 7: Safety Practices 7	1. **Differentiate methods of controlling the spread and growth of microorganisms. (aseptic vs. sterile technique, antisepsis, disinfection, sterilization, standard vs. transmission-based precautions, and blood-borne pathogens)** 7.1
	2. **Apply principles of body mechanics and patient safety during transfers, ambulation, and positioning.** 7.2
	3. **Apply standard precautions as described in the rules and regulations set forth by the Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC).** 7.3
Foundation Standard 8: Teamwork 8	1. **Act responsibly as a team member, including gaining practice employing leadership skills when acting as team leader. 2. Collaborate with others to formulate team objectives and accomplish team goals utilizing the characteristics of effective teamwork. 3. Apply effective techniques for managing team conflict. 4. Apply principles of teamwork.** 8.1
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	3. **Apply effective techniques for managing team conflict.** 8.3
	4. **Apply principles of teamwork.** 8.4
Fo Skip to main content **Technical Skills** 10	**Demonstrate procedures for measuring and recording vital signs (temperature, pulse, respirations, blood pressure, pain, and height/weight) including**

recognition of normal ranges , data interpretation, reporting of abnormal values, and documentation of values received. 10.1

2. **Apply skills to obtain Heartsaver or BLS training or certification in adult, child, and infant cardiopulmonary resuscitation (CPR) and automated external defibrillator (AED).** 10.2

3. **Demonstrate First Aid skills for recommended certification.** 10.3

4. **Demonstrate Special Health Care Skills as needed in the medical field for several different career paths, such as, but not limited to, Laboratory, Dental, Medical Assisting, Nurse Assisting, Physical Therapy, Patient Care Technician , Allied Health occupations or Office Management/Business and Accounting. The specific skills and care paths chosen may differ as to the teacher's professional certification area.** 10.4

Foundation Standard 11: Information Technology Applications 11

1. **Identify records and files common to the healthcare setting including electronic health record - EHR).** 11.1
   - a Identify and differentiate types and content of health records (including EHR) , i.e. pharmacy, laboratory radiology, etc. 11.1A
   - b Recognize technology applications in healthcare including file storage. 11.1B

2. **Create documentation in the health record (EHR/MHR) that reflects timeliness, completeness, and accuracy while adhering to information systems policies and procedures at the local, state, and national and organizational level** 11.2
   - a Use health record data collection tools (such as input screens, document templates) 11.2A
   - b Understand the principle and demonstrate the appropriate methods to correct inaccurate information/errors personally entered into EHR/MHR, such as adding, clarifying, and correcting information. 11.2B

3. **Explore different types of health record data collection tools such as patient monitoring equipment, telemedicine, phone application, and medical wearable devices).** 11.3

4. **Identify common policies and procedures for proper access, disclosure and protection of personal information such as: passwords, administrative safeguards, database security.** 11.4
   - a Apply fundamentals of privacy and confidentiality policies and procedures (HIPAA). 11.4A
   - b Identify legal and regulatory requirementsrelated to the use of personal health information (such as: Health Information Technology Act [HITECH Act], American Recovery and Reinvestment Act [ARRA]). 11.4B
   - c Describe consequences of inappropriate use of health data in terms of disciplinary action. 11.4C