Principles of Health Science

Texas - 130.222

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(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	**3/3**
(A) express ideas in a clear, concise, and effective manner;	**Module:** Communications **Unit 1:** Basic Communication **Unit 2:** Interpersonal Communication **Module:** Written Communication **Unit 2:** Written Communication
(B) exhibit the ability to cooperate, contribute, and collaborate as a member of a team; and	**Module:** Professionalism in Healthcare **Unit 3:** Collaboration **Module:** Personal Qualities **Unit 2:** Health Care Team
(C) identify employer expectations such as punctuality, attendance, time management, communication, organizational skills, and productive work habits.	**Module:** Professionalism in Healthcare **Unit 2:** Executive Function **Module:** Personal Qualities **Unit 1:** Personal Characteristics **Unit 3:** Personal Management Skills **Module:** Health Care Careers **Unit 1:** Choosing a Career in Health Care
(2) The student applies mathematics, science, English language arts, and social studies in health science. The student is expected to:	**17/17**
(A) convert units between systems of measurement;	**Module:** Medical Mathematics **Unit 3:** Measurement Systems

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(B) apply data from tables, charts, and graphs to provide solutions to health-related problems;	**Module**: Medical Mathematics **Unit 6:** Charts and Graphs **Module:** Client Status
	Unit 3: Pulse
(C) interpret technical material related to the health science industry;	**Module**: Medical Mathematics **Unit 6:** Charts and Graphs **Module**: Medical Terminology **Reflect Activity:** Questions and Discussion
(D) organize, compile, and write ideas into reports and summaries;	**Module:** Communications **Unit 5:** Documentation **Module:** Written Communication **Unit 2:** Written Communication
(E) plan and prepare effective oral presentations;	**Module:** Communications **Unit 4:** Communicating with Patients **Module:** Health Care Careers **Reinforce Activity:** Career Research & Presentation
(F) formulate responses using precise language to communicate ideas;	**Module**: Communications **Unit 2:** Interpersonal Communication
(G) describe biological and chemical processes that maintain homeostasis;	**Module:** Anatomy and Physiology **Unit 1:** Introduction to Anatomy and Physiology **Module:** Client Status **Unit 2:** Temperature
(H) identify and analyze principles of body mechanics and movement such as forces and the effects of movement, torque, tension, and elasticity on the human body;	**Module:** Body Mechanics **Unit 1:** Safety Guidelines **Module:** Safety Precautions **Unit 2:** Body Mechanics

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(I) identify human needs according to Maslow's Hierarchy of Human Needs;	**Module:** Human Growth and Development **Unit 1:** Genetics
(J) describe the stages of development related to the life span;	**Module:** Human Growth and Development **Unit 2:** Prenatal and Neonatal **Unit 3:** Childhood **Unit 4:** Adolescence and Adulthood **Unit 5:** Aging and Death **Module:** Special Populations Unit 1: Pediatric Patients
(K) identify the concepts of health and wellness throughout the life span;	**Module:** Wellness and Nutrition **Unit 1:** Wellness **Unit 4:** Stress and Planning for Wellness
(L) analyze and evaluate communication skills for maintaining healthy relationships throughout the life span;	**Module:** Personal Qualities **Unit 2:** Health Care Team **Module:** Professionalism in Healthcare **Unit 3:** Collaboration **Module:** Communications **Unit 2:** Interpersonal Communication
(M) research the historical significance of health care;	**Module:** Healthcare Systems **Unit 1:** History of Healthcare **Reinforce Activity:** Talk Show
(N) describe the impact of health services on the economy;	**Module:** Healthcare Systems **Unit 4:** Healthcare Economics **Module:** Insurance and Coding **Unit 1:** Insurance

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(O) analyze the impact of local, state, and national government on the health science industry;	**Module:** Insurance and Coding **Unit 2:** Government Programs **Module:** Safety Precautions **Unit 1:** Safety Guidelines and Regulations **Module:** Healthcare Systems **Unit 2:** Healthcare Delivery Systems
(P) identify diverse and cultural influences that have impacted contemporary aspects of health care delivery; and	**Module:** Cultural, Social, and Ethnic Diversity **Unit 1:** Cultural, Social, and Ethnic Diversity **Module:** Communications **Unit 2:** Interpersonal Communication **Unit 3:** Communication Barriers
(Q) research and compare practices used by various cultures and societies to solve problems related to health.	**Module:** Healthcare Systems **Unit 1:** History of Healthcare **Module:** Cultural, Social and Ethnic Diversity **Unit 1:** Cultural, Social and Ethnic Diversity **Module:** Communications **Reinforce Activity:** Culture/Religious Presentation **Module:** Special Populations **Reinforce Activity:** Cultural Awareness Fair
(3) The student uses verbal and nonverbal communication skills. The student is expected to:	***4/4***
(A) identify components of effective and non-effective communication;	**Module:** Communications **Unit 1:** Basic Communication **Unit 2:** Interpersonal Communication

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	Module: Written Communication **Unit 2:** Written Communication
(B) demonstrate effective communication skills for responding to the needs of individuals in a diverse society;	**Module:** Cultural, Social, and Ethnic Diversity **Unit 1:** Cultural, Social, and Ethnic Diversity **Module:** Communications **Unit 2:** Interpersonal Communication **Unit 3:** Communication Barriers
(C) evaluate the effectiveness of conflict-resolution techniques in various situations; and	**Module:** Personal Qualities **Unit 2:** Health Care Team Professionalism **Unit 3:** Teamwork
(D) accurately interpret, transcribe, and communicate medical vocabulary using appropriate technology.	**Module:** Written Communication **Unit 2:** Written Communication **Module:** Medical Terminology **Reflection**: Questions and Discussion
(4) The student implements the leadership skills necessary to function in a democratic society. The student is expected to:	**3/3**
(A) identify traits of a leader;	**Module:** Personal Qualities **Unit 2:** Health Care Team Professionalism **Unit 3:** Teamwork
(B) demonstrate leadership skills, characteristics, and responsibilities of leaders such as goal-setting and team building; and	**Module:** Professionalism in Healthcare **Unit 1:** Presence **Module:** Personal Qualities **Unit 3:** Personal Management Skills **Module:** Healthcare Systems **Reinforce Activity:** Write a Goal Using Systems Theory

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	Module: Personal Qualities **Reinforce Activity:** Team Invention
(C) demonstrate the ability to effectively conduct and participate in meetings.	**Module:** Personal Qualities **Unit 2:** Health Care Team **Module:** Professionalism in Healthcare **Unit 3:** Collaboration **Module:** Communications **Unit 2:** Interpersonal Communication
(5) The student assesses career options and the preparation necessary for employment in the health science industry. The student is expected to:	**2/2**
(A) locate, evaluate, and interpret career options and employment information; and	**Module:** Health Care Careers **Unit 1:** Careers in Health Care **Unit 2:** Choosing a Career in Health Care **Module:** Career Development **Unit 1:** Career Exploration and Research **Module:** Health Career Exploration **Unit 2:** Health Care Career Pathways
(B) recognize the impact of career decisions, including the causes and effects of changing employment situations.	**Module:** Career Development **Unit 1:** Career Exploration and Research **Unit 2:** Career Goals and Barriers **Module:** Health Care Careers **Unit 1:** Careers in Health Care **Unit 2:** Choosing a Career in Health Care **Module:** Health Career Exploration **Unit 2:** Health Care Career Pathways

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(6) The student identifies academic preparation and skills necessary for employment as defined by the health science industry. The student is expected to identify academic requirements for professional advancement such as certification, licensure, registration, continuing education, and advanced degrees.	**1/1**
	Module: Health Care Careers **Unit 2:** Choosing a Career in Health Care **Unit 1:** Careers in Health Care **Module:** Career Development **Unit 1:** Career Exploration and Research **Module:** Health Career Exploration **Unit 2:** Health Care Career Pathways
(7) The student identifies the career pathways related to health science. The student is expected to:	**2/2**
(A) compare health science careers within the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems; and	**Module:** Health Care Careers **Unit 2:** Choosing a Career in Health Care **Unit 1:** Careers in Health Care **Module:** Career Development **Unit 1:** Career Exploration and Research **Module:** Health Career Exploration **Unit 2:** Health Care Career Pathways
(B) identify the collaborative role of team members between systems to deliver quality health care.	**Module:** Professionalism in Healthcare **Unit 3:** Collaboration

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	Module: Personal Qualities **Unit 2:** Health Care Team
(8) The student examines the role of the multidisciplinary team in providing health care. The student is expected to:	**2/2**
(A) explain the concept of teaming to provide quality health care; and	**Module:** Professionalism in Healthcare **Unit 3:** Collaboration **Module:** Personal Qualities **Unit 2:** Health Care Team
(B) examine the role of professional organizations in the preparation and governance of credentialing and certification.	**Module:** Preparatory – EMT* **Unit 1:** EMS System **Module:** Preparatory – EMR* **Unit 3:** EMS Providers **Module:** Certification Prep **Unit 1:** Certification Prep **Module:** The Health Assistant **Unit 1:** Health Assisting **Module:** Health Care Careers **Explore Activity:** Research Jobs Wanted Ads **Module:** Healthcare Careers **Reinforce Activity:** Career Profiles
(9) The student interprets ethical behavior standards and legal responsibilities. The student is expected to:	**5/5**
(A) compare published professional codes of ethics and scope of practice;	**Module:** Legal and Ethical Responsibilities **Unit 4:** Liability and Ethics **Module:** The Health Assistant **Unit 6:** Patient Rights and Code of Ethics

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	Module: Legal and Ethical Responsibilities **Reinforce Activity:** Scope of Practice
(B) explain principles of ethical behavior and confidentiality, including the consequences of breach of confidentiality;	**Module:** Professionalism in Healthcare **Unit 4:** Workplace Integrity **Module:** Communications **Unit 5:** Documentation **Module:** Legal and Ethical Responsibilities **Explore Activity:** Confidentiality **Module:** Written Communication **Reflection:** Questions and Discussion **Module:** Health Information Technology **Unit 3:** Health Insurance Portability and Accountability Act (HIPAA)
(C) discuss ethical issues related to health care, including implications of technological advances;	**Module:** Digital Responsibility **Unit 1:** Digital Responsibility **Module:** Healthcare Systems **Unit 3:** Trends, Technology, and Emerging Issues **Module:** Health Information Technology **Unit 3:** Health Insurance Portability and Accountability Act (HIPAA) **Module:** Legal and Ethical Responsibilities **Unit 2:** Privacy and Security **Module:** Career Development **Reinforcement Project:** Effects of Information Technology on the Job Market

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(D) examine issues related to malpractice, negligence, and liability; and	**Module:** Legal and Ethical Responsibilities **Unit 1:** Civil and Criminal Law **Unit 4:** Liability and Ethics **Module:** Insurance and Coding **Unit 4:** Claims **Module:** Safety Precautions **Unit 1:** Safety Guidelines and Regulations **Module:** Preparatory – EMT* **Unit 9:** Legal and Ethical Issues **Module:** Health Information Technology **Unit 2:** Electronic Health Records
(E) research laws governing the health science industry.	**Module:** Legal and Ethical Responsibilities **Unit 1:** Civil and Criminal Law **Unit 2:** Privacy and Security **Unit 4:** Liability and Ethics **Unit 5:** Workplace Law **Module:** The Health Assistant **Unit 5:** Legal Conduct **Module:** Health Information Technology **Unit 3:** Health Insurance Portability and Accountability Act (HIPAA) **Module:** Professionalism **Unit 4:** Workplace Integrity
(10) The student recognizes the rights and choices of the individual. The student is expected to:	**5/5**
(A) identify situations related to autonomy;	**Module:** Special Populations **Unit 1:** Pediatric Patients

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	Module: Legal and Ethical Responsibilities **Unit 4:** Liability and Ethics **Module:** Healthcare Systems **Unit 3:** Trends, Technology, and Emerging Issues **Module:** The Health Assistant **Unit 6:** Patient Rights and Code of Ethics
(B) identify wellness strategies for the prevention of disease;	**Module**: Wellness and Nutrition **Unit 3:** Health Care
(C) evaluate positive and negative effects of relationships on physical and emotional health such as peers, family, and friends in promoting a healthy community;	**Module:** The Health Assistant **Unit 3:** Qualities of Health Assistants **Module:** Behavioral Health **Unit 3:** Managing Behavioral Health **Module:** Domestic Violence **Unit 1:** Domestic Violence and the Healthcare Professional
(D) review documentation related to rights and choices; and	**Module:** The Health Assistant **Unit 6:** Patient Rights and Code of Ethics **Module:** Legal and Ethical Responsibilities **Unit 3:** Advance Directives and Client Rights **Module:** Healthcare Systems **Unit 3:** Trends, Technology, and Emerging Issues **Module:** Medical Records **Reinforce Activity:** Medical Records Department **Module:** Special Populations **Unit 2:** Elderly Patients

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	Module: Medical Office Assistant **Unit 3:** Legal Responsibilities
(E) demonstrate an understanding of diversity and cultural practices influencing contemporary aspects of health care.	**Module:** Cultural, Social, and Ethnic Diversity **Unit 1:** Cultural, Social, and Ethnic Diversity **Module:** Communications **Unit 2:** Interpersonal Communication **Unit 3:** Communication Barriers
(11) The student recognizes the importance of maintaining a safe environment and eliminating hazardous situations. The student is expected to:	**3/3**
(A) identify governing regulatory agencies such as the World Health Organization, Centers for Disease Control and Prevention, Occupational Safety and Health Administration, U.S. Food and Drug Administration, Joint Commission, and National Institute of Health;	**Module:** Safety Precautions **Unit 1:** Safety Guidelines and Regulations **Module:** Healthcare Systems **Unit 2:** Healthcare Delivery Systems **Module:** Safety Precautions **Unit 1:** Safety Guidelines and Regulations

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(B) identify industry safety standards such as standard precautions, fire prevention and safety practices, and appropriate actions to emergency situations; and	**Module:** Legal and Ethical Responsibilities **Unit 5:** Workplace Law **Module:** Office Environment **Unit 3:** Managing the Office Facility **Module:** Safety Precautions **Unit 1:** Safety Guidelines and Regulations **Unit 3:** Environmental Safety **Module:** The Health Assistant **Unit 4:** Infection Control and Safety Precautions **Module:** Preparatory – EMR* **Unit 3:** Safety & Wellness **Module:** Preparatory – EMT* **Unit 3:** Safety & Wellness
(C) relate safety practices in the health science industry.	**Module:** Legal and Ethical Responsibilities **Unit 5:** Workplace Law **Module:** Office Environment **Unit 3:** Managing the Office Facility **Module:** Safety Precautions **Unit 1:** Safety Guidelines and Regulations **Unit 3:** Environmental Safety **Module:** The Health Assistant **Unit 4:** Infection Control and Safety Precautions **Module:** Preparatory – EMR* **Unit 3:** Safety & Wellness **Module:** Preparatory – EMT* **Unit 3:** Safety & Wellness

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(12) The student identifies the technology used in the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems. The student is expected to:	**2/3**
(A) research and identify technological equipment used in the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems;	**Module:** Office Equipment **Unit 1:** Computers **Unit 2:** Other Equipment **Module:** Healthcare Career Exploration **Unit 3:** Health Care Careers **Module:** Emergency Care **Explore Activity:** Use and Care of Equipment **Module:** Physical Exams **Explore Activity:** Use and Care of Lab Equipment **Module:** Client Status **Explore Activity:** Use and Care of Lab Equipment **Module:** CPR and Basic Life Support **Explore Activity:** Review Lab Equipment **Module:** Health Information Technology **Unit 1:** Health Information Technology Overview **Unit 2:** Electronic Health Records
(B) identify potential malfunctions of technological equipment; and	**Module:** Medical Records **Unit 1:** Medical Records **Module:** Office Equipment

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	Unit 3: Maintenance and Troubleshooting
(C) recognize and explain the process for reporting equipment or technology malfunctions.	**Not Covered**

* = These modules are not available in the Principles of Health Science template but can be found in the EMR and EMT health science templates.

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