

***National Health Science Standards Crosswalk***

The crosswalk template is a working resource to document where the National Health Science Standards (NHSS) being met in their courses.   This resource provides teachers a way to ensure all the NHSS have been taught in your health science courses throughout your program. The curriculum column can be used to include examples such as: what lesson is used to teach the standard, which chapter in a particular resource, an activity, project, or PPT, and educational resource used to support teaching of the standard.

**Foundation Standard 1: Academic Foundation Understand human anatomy, physiology, common diseases and disorders, and medical math principles.**

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| **1.1 Human A&P** | **Subcategories** | **HealthForce Healthcare Core Curriculum** | **Courses** |
| 1.1.1 Describe the organization of the human body and directional terms. |  | **Not Covered** |  |
| ***a. Identify***  ***levels of organization*** | * + - * + Cellular         + Chemical         + Organ         + Organism         + System         + Tissue | **Not Covered** |  |
| ***b. Demonstrate anatomical position*** |  | **Not Covered** |  |
| ***c. Identify body planes*** | * + - * + Coronal / Frontal         + Midsagittal         + Sagittal         + Transverse/Horizontal | **Not Covered** |  |
| ***d. Use directional terms*** | * + - * + Anterior / Posterior         + Cephalic/Caudal         + Medial / Lateral         + Proximal / Distal         + Superficial / Deep         + Superior / Inferior         + Ventral/Dorsal | **Not Covered** |  |
| ***e. Identify body cavities*** | * Abdominal * Cranial * Dorsal * Nasal * Oral * Orbital * Pelvic * Spinal * Thoracic | **Not Covered** |  |
| ***f. Identify the components of the abdominal quadrants*** | * Left upper * Left lower * Right upper * Right lower | **Not Covered** |  |
| **1.1.2** Identify basic structures and describe functions of human body systems. |  | **Not Covered** |  |
| ***a. Skeletal*** |  | **Not Covered** |  |
| Structures of the skeletal system | Distinguish between axial and appendicular skeletons  Describe long bone anatomy  Identify joint types and movement  Name and classify all bones (206) | **Not Covered** |  |
| Functions of the skeletal system | Hematopoiesis  Mineral storage  Muscle attachment and movement  Ossification  Structure and support | **Not Covered** |  |
| ***b. Muscular*** |  | **Not Covered** |  |
| Structures of the muscular system | * Identify types of muscle tissue * Identify major muscle groups of neck, shoulder, chest, abdomen, back, arms, and legs | **Not Covered** |  |
| Functions of the muscular system | * Body movement * Posture * Protection | **Not Covered** |  |
| ***c. Integumentary*** |  | **Not Covered** |  |
| Structures of the integumentary system | • Identify integumentary components  • Label the layers of skin | **Not Covered** |  |
| Functions of the integumentary system | * Infection protection * Sensory organ * Temperature regulation * UV light protection * Vitamin D production | **Not Covered** |  |
| ***d. Cardiovascular*** |  | **Not Covered** |  |
| Structures of the cardiovascular system | * Distinguish blood components * Identify cardiovascular organs * Label the parts of the hearts | **Not Covered** |  |
| Functions of the cardiovascular system | * Blood flow through the heart and body * Cardiac conduction system * Transports nutrients, waste, antibodies, hormones, and gases | **Not Covered** |  |
| ***e. Lymphatic/***  ***Immune*** |  | **Not Covered** |  |
| Structures of the Lymphatic System | * Identify lymphatic organs | **Not Covered** |  |
| Functions of the lymphatic system | * Movement of lymph fluid * Provide protection against disease | **Not Covered** |  |
| ***f. Respiratory*** |  | **Not Covered** |  |
| Structures of the respiratory system | * Identify respiratory organs | **Not Covered** |  |
| Functions of the respiratory system | * Gas exchange | **Not Covered** |  |
| ***g. Nervous*** |  | **Not Covered** |  |
| Structures of the nervous system | * Differentiate CNS and PNS * Differentiate sympathetic and parasympathetic * Identify organs of the nervous system * Identify structures of the special sense organs | **Not Covered** |  |
| Functions of the nervous system | * Movement * Processing * Sensation | **Not Covered** |  |
| ***h. Endocrine*** |  | **Not Covered** |  |
| Structures of the endocrine system | * Identify endocrine glands | **Not Covered** |  |
| Functions of the endocrine system | * Controls metabolism * Production of hormones * Regulation of body processes * Regulates growth, development, and maturation | **Not Covered** |  |
| ***i. Digestive*** |  | **Not Covered** |  |
| Structures of the digestive system | * Differentiate between alimentary and accessory organs * Identify digestive organs in sequence | **Not Covered** |  |
| Functions of the digestive system | * Absorption of nutrients * Chemical and mechanical digestion * Excretion of waste | **Not Covered** |  |
| ***j. Urinary*** |  | **Not Covered** |  |
| Structures of the urinary system | * Identify gross and microscopic anatomy of the kidney * Identify urinary organs | **Not Covered** |  |
| Functions of the urinary system | * Homeostatic balance * Process of urine formation * Urine composition | **Not Covered** |  |
| ***k. Reproductive*** |  | **Not Covered** |  |
| Structures of the reproductive system | * Identify female reproductive organs * Identify male reproductive organs | **Not Covered** |  |
| Functions of the reproductive system | * Formation of gametes * Productions of hormones | **Not Covered** |  |
| **1.2 Diseases and Disorders** |  | **Not Covered** |  |
| 1.2.1 Describe etiology, pathology, diagnosis, treatment, and prevention of common diseases and disorders, including, but not limited to the following: | * Anxiety * Arthritis * Asthma * Bipolar disorder * Cancer * Cataracts * Concussion/Traumatic Brain Injury (TBI) * Cystic Fibrosis * Depression * Dementia * Diabetes * Gastric ulcer * Hepatitis * Hypertension * Melanoma * Muscular Dystrophy * Myocardial Infarction * Sexually Transmitted Infection (STI) * Stroke/Cerebrovascular Accident (CVA) * Tuberculosis * Urinary Tract Infection (UTI) | **Not Covered** |  |
| 1.2.2 Describe biomedical therapies as they relate to the prevention, pathology, and treatment of disease. | * Gene editing * Gene testing * Gene therapy * Immunotherapy * Immunizations * Stem cell research | **Not Covered** |  |
| **1.3 Medical Mathematics** |  | **Not Covered** |  |
| 1.3.1 Demonstrate competency using basic math skills and mathematical conversions as they relate to healthcare. |  | **Not Covered** |  |
| *a. Metric System* | * Centi- * Deci- * Kilo- * Milli- * Micro- | **Not Covered** |  |
| *b. Mathematical* | * Addition/subtraction * Average * Fractions * Multiplication/division * Percentages * Ratios | **Not Covered** |  |
| *c. Conversions* | * Height (inches/meters) * Household measurements (tbsp/tsp/cup/oz) * Length (inches/meters) * Temperature (F/C) * Volume (ml/cc) * Weight/mass (pounds/grams) | **Not Covered** |  |
| 1.3.2 Demonstrate the ability to analyze diagrams, charts, graphs, and tables to interpret healthcare results. |  | **Not Covered** |  |
| 1.3.3 Demonstrate use of the 24-hour clock/military time. |  | **Not Covered** |  |

**Foundation Standard 2: Communications Demonstrate methods of delivering and obtaining information, while communicating effectively.**

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| **2.1 Concepts of Effective Communication** | **Subcategories** | **HealthForce Healthcare Core Curriculum** | **Courses** |
| 2.1.1 Model verbal and nonverbal therapeutic communication. | * Active listening * Reflecting * Silence * Summarizing | **Communication in Healthcare Module**  **Competency 2** |  |
| 2.1.2 Identify common barriers to communication. |  | **Communication in Healthcare Module**  **Competency 1C** |  |
| *a. Physical disabilities* | * Aphasia * Developmental level * Hearing loss * Impaired vision | **Communication in Healthcare Module**  **Competency 1C** |  |
| *b. Psychological barriers* | * Attitudes * Bias * Prejudice * Stereotyping | **Communication in Healthcare Module**  **Competency 1C** |  |
| c. Language barriers |  | **Communication in Healthcare Module**  **Competency 1C, 3**B |  |
| 2.1.3 Distinguish between subjective and objective information. |  | **Communication in Healthcare Module**  **Competency 5E** |  |
| 2.1.4 Interpret elements of the communication process using sender-message-  receiver feedback model. |  | **Communication in Healthcare Module**  **Competency 1B** |  |
| 2.1.5 Modify communication to meet the needs of the patient/client and be appropriate to the situation. |  | **Communication in Healthcare Module**  **Competency 1C, 3A, 3B** |  |
| 2.1.6 Describe appropriate interactions with patients throughout various stages of psychosocial development. |  | **Communication in Healthcare Module**  **Competency 1B**  **Awareness & Sensitivity to Client Needs**  **Competency 2A, 2C** |  |
| **2.2 Medical Terminology** |  | **Communication in Healthcare Module**  **Competency 5F** |  |
| 2.2.1 Use common roots, prefixes, and suffixes to communicate information. |  | **Communication in Healthcare Module**  **Competency 5F** |  |
| 2.2.2 Interpret common medical abbreviations to communicate information. |  | **Communication in Healthcare Module**  **Competency 5G** |  |
| **2.3 Written Communication Skills** |  |  |  |
| 2.3.1 Use proper elements of written and electronic communication (spelling, grammar, and formatting). |  | **Communication in Healthcare Module**  **Competency 5** |  |
| 2.3.2 Prepare examples of technical and informative writing. |  | **Communication in Healthcare Module**  **Competency 5** |  |
| 2.3.3 demonstrate appropriate use of digital communication in a work environment, such as email, text, and social media. |  | **Communication in Healthcare Module**  **Competency 7**  **Healthcare Ethics**  **Competency 2E** |  |

**Foundation Standard 3: Systems Identify how key systems affect services performed and quality of care.**

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| **3.1 Systems** | **Subcategories** | **HealthForce Healthcare Core Curriculum** | **Courses** |
| 3.1.1 Differentiate healthcare delivery systems and healthcare related agencies. |  | **Behaviors for Success in Healthcare Module**  **Competency 6** |  |
| *a. Types of practice settings* | * Acute care * Ambulatory care * Behavioral and mental health services * Home care * Long-term care * Medical and dental practices | **Behaviors for Success in Healthcare Module**  **Competency 6** |  |
| *b. Specialty medical and dental practices* | * Cosmetic surgery * Orthodontics * Pulmonology * Surgical | **Behaviors for Success in Healthcare Module**  **Competency 1** |  |
| *c. Government agencies* | * Centers for Disease Control and Prevention (CDC) * Centers for Medicare & Medicaid Services (CMS) * National Institutes of Health (NIH) * Occupational Safety and Health Administration (OSHA) * U.S. Department of Veterans Affairs (VA) * U.S. Food and Drug Administration (FDA) * U. S. Public Health Service (UPHS) | **Behaviors for Success in Healthcare module**  **Competency 7: All agencies added to align with standards**  **Behaviors for Success in Healthcare Module**  **Competency 4A: WHO**  **Competency 6I: CMS**  **Safety & Standard Precautions Module**  **Competency 1C-E: OSHA** |  |
| *d. Related organizations* | * American Cancer Society (ACS) * American Heart Association (AHA) * American Red Cross (ARC) * March of Dimes * World Health Organization (WHO) | **Behaviors for Success in Healthcare module**  **Competency 7: All agencies added to align with standards** |  |
| 3.1.2 Examine the healthcare consumer’s rights and responsibilities within the healthcare system. | * Compliance * Patient’s Bill of Rights * Self-advocacy | **Legal Issues in Healthcare**  **Competency 3** |  |
| 3.1.3 Analyze the impact of emerging issues on healthcare delivery systems. | * Behavior/Mental health * Bioethics * Epidemiology * Socioeconomics * Technology | **Behaviors for Success in Healthcare module**  **Competency 4-8** |  |
| 3.1.4 Analyze healthcare economics and related terms. |  | **Behaviors for Success in Healthcare module**  **Competency 7** |  |
| **a.** *The history and role of health insurance and employer/employee benefits.* |  | **Behaviors for Success in Healthcare module**  **Competency 7** |  |
| *b. Fundamental terms related to health insurance.* | * Claim * Coinsurance * Co-payment * Explanation of Benefits (EOB) * Fraud * Health Insurance Portability and Accountability Act (HIPAA) * Medical Coding * Premiums | **Behaviors for Success in Healthcare module**  **Competency 7** |  |
| *c. Types of insurance Plans* |  | **Behaviors for Success in Healthcare module**  **Competency 7** |  |
|  | * Private health insurance plans |  |  |
| **Managed Care** | * Health Maintenance Organization (HMO) * Independent Practice Association (IPA) * Preferred Provider Organization (PPO) | **Behaviors for Success in Healthcare module**  **Competency 7** |  |
| **Government Programs** | * Affordable Care Act (ACA) * Medicaid * Medicare * Tricare * Workers’ Compensation | **Behaviors for Success in Healthcare module**  **Competency 7** |  |

**Foundation Standard 4: Employability Skills Use employability skills to enhance employment opportunities and job satisfaction.**

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| **4.1 Personal Traits of the Health Professional** | **Subcategories** | **HealthForce Healthcare Core Curriculum** | **Courses** |
| 4.1.1 Identify personal traits and attitudes desirable in a career ready member of a health team. | * Acceptance of criticism * Competence * Dependability * Discretion * Empathy * Enthusiasm * Honesty * Initiative * Integrity * Patience * Positive Attitude * Responsibility * Self-motivation * Social and cultural competence * Tact * Team Player * Willingness to learn | **Behaviors for Success in Healthcare module**  **Competency 3B, 3D, 3E, 3F, 3G, 3H,** |  |
| 4.1.2 Summarize professional standards as they apply to hygiene, dress, language, confidentiality, and behavior. |  | **Behaviors for Success in Healthcare module**  **Competency 3E** |  |
| **4.2 Employability skills** |  |  |  |
| 4.2.1 Apply employability skills/soft skills in healthcare. | * Chain of command * Communication Skills * Customer service * Decision making * Emotional Intelligence * Flexible * Organization * Problem solving * Scope of practice * Time management * Work ethic | **Behaviors for Success in Healthcare module**  **Competency 2B, 3D, 3F, 3G, 3H, 4A** |  |
| **4.3 Career Decision-**  **making** |  |  |  |
| 4.3.1 Research levels of education, credentialing requirements, and employment trends in health professions. |  | **Behaviors for Success in Healthcare module**  **Competency 1** |  |
| 4.3.2 Distinguish differences among careers within a health science pathway. | * Biotechnology research and development * Diagnostic services * Health informatics * Support services * Therapeutic services | **Behaviors for Success in Healthcare module**  **Competency 1** |  |
| **4.4 Employability Preparation** |  |  |  |
| 4.4.1 Develop components of a personal portfolio. | * Community Service/Service Learning * Credentials * Leadership examples * Mock interviews * Personal statement * Professional/student organization memberships * Oral Report * Resume * Sample projects * Technology skills * Writing samples * Work-based learning documentation * Writing sample | **Behaviors for Success in Healthcare module**  **Competency 3C** |  |
| 4.4.2 Identify strategies for pursuing employment. | * Employer websites * Internships * Personal networking * Social media | **Behaviors for Success in Healthcare module**  **Competency 1, 3** |  |

**Foundation Standard 5: Legal Responsibilities Describe legal responsibilities, limitations, and implications on healthcare worker actions.**

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| **5.1 Legal Responsibilities and Implications** |  |  |  |
| 5.1.1 Analyze legal responsibilities and implications of criminal and civil law. | * Abuse * Assault * Battery * Harassment * Invasion of privacy * Libel * Malpractice * Negligence * Slander * Tort | **Legal Issues in Healthcare module**  **Competency 2, 4, 5, 6** |  |
| **5.2 Legal Practices** |  |  |  |
| 5.2.1 Apply standards for the safety, privacy, and confidentiality of health information. | * HIPAA * Privileged communication | **Legal Issues in Healthcare module**  **Competency 5** |  |
| 5.2.2 Describe advanced directives. |  | **Legal Issues in Healthcare module**  **Competency 7** |  |
| 5.2.3 Summarize the essential characteristics of a patient’s basic rights  within a healthcare setting. |  | **Legal Issues in Healthcare module**  **Competency 3** |  |
| 5.2.4 Differentiate informed and implied consent. |  | **Legal Issues in Healthcare**  **Competency 7B** |  |
| 5.2.5 Describe the concept of scope of practice. |  | **Legal Issues in Healthcare module**  **Competency 4** |  |
| 5.2.6 Interpret procedures for reporting activities and behaviors that affect the health, safety, and welfare of others (incident report). |  | **Legal Issues in Healthcare module**  **Competency 2H, 2I** |  |

**Foundation Standard 6: Ethics Understand accepted ethical practices with respect to cultural, social, and ethnic differences within the healthcare environment.**

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| **6.1 Ethical Practice** |  | **HealthForce Healthcare Core Curriculum** |  |
| 6.1.1 Differentiate between ethical and legal issues impacting healthcare. |  | **Healthcare Ethics module**  **Competency 3F** |  |
| 6.1.2 Identify ethical issues and their implications related to healthcare. | * Ethics committee * Euthanasia * Gene editing * Immunizations * In vitro fertilization * Organ donation/transplantation * Scope of practice | **Healthcare Ethics module**  **Competency 3D, 3E, 3F, 5A** |  |
| **6.2 Cultural, Social, and Ethnic Diversity** |  |  |  |
| 6.2.1 Discuss religious, social, and cultural values as they impact healthcare. | * Ageism * Ethnicity * Gender * Race * Religion | **Respecting Client & Staff Diversity module**  **Competency 3, 4** |  |
| 6.2.2 Demonstrate respectful and empathetic treatment of all patients/clients/  families. | * Civility * Customer service * Patient satisfaction | **Respecting Client & Staff Diversity module**  **Competency 3, 4**  **Healthcare Ethics module**  **Competency 3D, 3E, 3F, 5A** |  |

**Foundation Standard 7: 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.**

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| **7.1 Infection Control** |  | **HealthForce Healthcare Core Curriculum** |  |
| 7.1.1 Explain principles of infection transmission. |  |  |  |
| *a. Identify classifications of pathogens* | * Bacteria * Fungi * Parasites * Protozoa * Viruses | **Safety and Standard Precautions module**  **Competency 2** |  |
| *b. Describe characteristics of microorganisms* | * Aerobic * Anaerobic * Non-pathogenic * Pathogenic | **Safety and Standard Precautions module**  **Competency 2** |  |
| *c. Recognize chain of infection* |  | **Healthcare Safety & Standard Precautions**  **Competency 3** |  |
| *d. Describe mode of transmission* | * Common vehicle (air, food, water) * Direct * Healthcare-associated infections (nosocomial) * Indirect * Opportunistic * Vectors | **Safety and Standard Precautions module**  **Competency 2E, 3** |  |
| 7.1.2 Differentiate methods of controlling the spread and growth of pathogens. |  | **Healthcare Safety & Standard Precautions**  **Competency 3** |  |
| *a. Asepsis* | * Antisepsis * Disinfection * Sanitation * Sterile technique * Sterilization | **Safety and Standard Precautions module**  **Competency 3** |  |
| *b. Standard Precautions* | * Environmental cleaning * Gloving * Handwashing * Personal Protective Equipment (PPE) | **Safety and Standard Precautions module**  **Competency 3** |  |
| *c. Isolation Precautions* | * Transmission-based contact | **Safety and Standard Precautions module**  **Competency 2** |  |
| *d. Bloodborne pathogen precautions* |  | **Safety and Standard Precautions module**  **Competency 1C, 1E, 2D** |  |
| *e. Vaccinations* |  | **Safety and Standard Precautions module**  **Competency 1E, 2D,** |  |
| **7.2 Personal Safety** |  |  |  |
| 7.2.1 Apply personal safety procedures based on Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) regulations. |  | **Safety and Standard Precautions module**  **Competency 1C, 1E, 1B,** |  |
| 7.2.2 Demonstrate principles of body mechanics during patient care. | * Ambulating * Lifting * Positioning | **Safety and Standard Precautions module**  **Competency 4B-C** |  |
| 7.2.3 Demonstrate and apply the use of personal protective equipment (PPE). |  | **Safety and Standard Precautions module**  **Competency 2C** |  |
| **7.3**  **Environmental Safety** |  |  |  |
| 7.3.1 Apply safety techniques in the work area. | * Ergonomics * Patient/client/employee safety measures * Safe operation of equipment | **Safety and Standard Precautions module**  **Competency 4** |  |
| **7.4 Common Safety Hazards** |  |  |  |
| 7.4.1 Observe all safety standards related to the occupational exposure to hazardous chemicals standard (safety data sheets [SDS]). |  | **Safety and Standard Precautions module**  **Competency 6B** |  |
| 7.4.2 Comply with safety signs, symbols, and labels. |  | **Safety and Standard Precautions module**  **Competency 6B** |  |
| **7.5 Emergency Procedures and Protocols** |  | **Safety and Standard Precautions module**  **Competency 6** |  |
| 7.5.1 Practice fire safety in a healthcare setting. |  | **Safety and Standard Precautions module**  **Competency 5A, 6A, 6B** |  |
| 7.5.2 Apply principles of basic emergency response in natural disasters and other emergencies (safe location, contact emergency personnel, follow facility protocols). |  | **Safety and Standard Precautions module**  **Competency 5C** |  |

**Foundation Standard 8: Teamwork Identify roles and responsibilities of individual members as part of the healthcare team.**

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| **8.1 Healthcare Teams** |  | **HealthForce Healthcare Core Curriculum** |  |
| 8.1.1 Evaluate roles and responsibilities of healthcare team members. |  | **Safety and Standard Precautions module**  **Competency 5A, 5B, 5C** |  |
| 8.1.2 Identify characteristics of effective teams. | * Collaboration * Defined roles * Effective communication * Effective leadership * Measurable processes and outcomes * Mutual respect * Shared goals | **Communications in Healthcare module**  **Competency 2, 3, 6** |  |
| **8.2 Team Member Participation** |  |  |  |
| 8.2.1 Recognize methods for building positive team relationships. |  | **Communications in Healthcare module**  **Competency 6** |  |
| *a. Characteristics* | * Focused and driven * Interpersonal skills * Motivates and inspires * Organized and balanced | **Communications in Healthcare module**  **Competency 6A** |  |
| *b. Types* | * Autocratic * Democratic * Laissez faire | **Communications in Healthcare module**  **Competency 6C** |  |
| *c. Roles* | * Communicates vision * Leads change * Manages accountability | **Communications in Healthcare module**  **Competency 6C** |  |
| 8.2.3 Apply effective techniques for managing team conflict. | * Communicate assertively * Set clear expectations * Gather the facts * Mediate disputes * Negotiate resolutions * Set clear expectations | **Communications in Healthcare module**  **Competency 6C** |  |
| 8.2.4 Evaluate why teamwork is an important part of healthcare and how it improves patient care. |  | **Communications in Healthcare module**  **Competency 3G, 3H** |  |

**Foundation Standard 9: Health Maintenance Practices Differentiate between wellness and disease. Promote disease prevention and model healthy behaviors.**

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| **9.1 Healthy Behaviors** |  | **HealthForce Healthcare Core Curriculum** |  |
| 9.1.1 Promote self-care behaviors of health and wellness. | * Exercise * Nutrition * Relationships * Sleep habits * Stress management * Weight control | **Behaviors for Success in Healthcare module**  **Competency 5C** |  |
| 9.1.2 Examine various aspects of behavioral health. | * Anxiety * Depression * Substance abuse * Suicide | **Awareness & Sensitivity to Client Needs module**  **Competency 3F** |  |
| 9.1.3 Describe public health strategies for prevention of disease. | * Community health education outreach programs * Immunizations * Medical, dental, and mental health screenings * Routine physical exams * Self-care behaviors | **Behaviors for Success in Healthcare module**  **Competency 2C** |  |
| 9.1.4 Investigate complementary and alternative health practices as they relate to wellness and disease prevention. | * Eastern medicine * Holistic medicine * Homeopathic medicine * Manipulative medicine | **Behaviors for Success in Healthcare module**  **Competency 2D** |  |
| **9.2 Healthcare Across the Lifespan** |  |  |  |
| 9.2.1 Discuss physical, mental, social, and behavioral development and its impact on healthcare. |  | **Awareness & Sensitivity to Client Needs module**  **Competency 1-5** |  |
| 9.2.2 Identify socioeconomic determinants of health and wellness. |  | **Healthcare Ethics**  **Competency 5B** |  |

**Foundation Standard 10: Technical Skills Apply and demonstrate technical skills and knowledge common to health career specialties.**

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| **10.1 Technical Skills** |  | **NOT COVERED** |  |
| 10.1.1 Demonstrate procedures for measuring and recording vital signs in both normal and abnormal ranges-including but not limited to: | * Blood pressure * Height and weight * Oxygen saturation * Pain * Pulse * Respirations * Temperature | **NOT COVERED** |  |
| 10.1.2 Obtain training or certification in: | * Automated external defibrillator (AED) * Cardiopulmonary resuscitation (CPR) * First aid * Foreign body airway obstruction (FBAO) | **NOT COVERED** |  |

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

**Foundation Standard 11:** **Information Technology in Healthcare** **Apply information technology practices common across health professions.**

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| **11.1 Key principles, components, and practices of health information systems (HIS)** |  | **Communications in Healthcare module**  **Competency 7B** |  |
| 11.1.1 Identify components of an electronic health record (EHR) and/or electronic medical record (EMR). | * Diagnostic tests * History and physical * Medications * Patient demographics * Progress notes * Treatment plan | **Communications in Healthcare module**  **Competency 7B** |  |
| 11.1.2 Explore different types of health data collection tools. | * Medical wearable devices * Patient monitoring equipment * Phone apps | **Communications in Healthcare module**  **Competency 7B** |  |
| 11.1.3 Create electronic documentation that reflects timeliness, completeness, and accuracy. |  | **Communications in Healthcare module**  **Competency 5, 7D** |  |
| 11.1.4 Examine information systems policies, procedure, and regulations as required by national, state, and local entities. |  | **Communication in Healthcare Module**  **Competency 7** |  |
|  | * Facility policies * HIPAA * Medical coding * Social media | **Communication in Healthcare Module**  **Competency 7**  **Healthcare Ethics**  **Competency 2E**  **Legal Issues in Healthcare**  **Competency 4B, 5** |  |