

**Florida Department of Education
Student Performance Standards**

Course Title: Health Science 2
Course Number: 8417110
Course Credit: 1

Course Description:

This course is part of the Secondary Health Core designed to provide the student with an in depth knowledge of the health care system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem solving skills. Students may shadow professionals throughout the course.

06.0 Demonstrate knowledge of the health care delivery system and health occupations. – The student will be able to:

This standard supports the following Sunshine State Standards: [HE.912.C.2.4, 2.6, HE.912.B.1.1, 1.3, 1.4, 1.5, 1.6 HE.912.P.2.3]

- 06.01 Identify the basic components of the health care delivery system including public, private, government and non-profit.
- 06.02 Identify common methods of payment for healthcare services.
- 06.03 Describe the various types of health care providers and the range of services available including resources to victims of domestic violence.
- 06.04 Describe the composition and functions of a health care team.
- 06.05 Identify the general roles and responsibilities of the individual members of the health care team.
- 06.06 Identify the roles and responsibilities of the consumer within the healthcare system.
- 06.07 Identify characteristics of effective teams.
- 06.08 Recognize methods for building positive team relationships.
- 06.09 Analyze attributes and attitudes of an effective leader.
- 06.10 Recognize factors and situations that may lead to conflict.
- 06.11 Demonstrate effective techniques for managing team conflict.
- 06.12 Describe factors that influence the current delivery system of healthcare.
- 06.13 Explain the impact of emerging issues including technology, epidemiology, bioethics and socioeconomics on healthcare delivery systems.

07.0 Use oral and written communication skills in creating, expressing and interpreting information and ideas. – The student will be able to:

This standard supports the following Sunshine State Standards: [HE912.C.2.2, 2.3 HE.912.B.2.1, 2.4]

- 07.01 Develop basic speaking and active listening skills.
- 07.02 Develop basic observational skills and related documentation strategies in written and oral form.
- 07.03 Identify characteristics of successful and unsuccessful communication including barriers.

- 07.04 Respond to verbal and non-verbal cues.
 - 07.05 Compose written communication using correct spelling, grammar, a formatting and confidentiality.
 - 07.06 Use appropriate medical terminology and abbreviations.
 - 07.07 Recognize the importance of courtesy and respect for patients and other health care workers and maintain good interpersonal relationships.
 - 07.08 Recognize the importance of patient/client education regarding health care.
 - 07.09 Adapt communication skills to varied levels of understanding and cultural orientation including diverse age, cultural, economic, ethnic and religious groups.
 - 07.10 Recognize elements of communication using a sender-receiver model.
 - 07.11 Distinguish between and report subjective and objective information.
 - 07.12 Report relevant information in order of occurrence.
 - 07.13 Select and employ appropriate communication concepts and strategies to enhance oral and written communication in the workplace. CM 1.0
 - 07.14 Locate, organize and reference written information from various sources. CM 3.0
 - 07.15 Design, develop and deliver formal and informal presentations using appropriate media to engage and inform diverse audiences. CM 5.0
 - 07.16 Interpret verbal and nonverbal cues/behaviors that enhance communication. CM 6.0
 - 07.17 Apply active listening skills to obtain and clarify information. CM 7.0
 - 07.18 Develop and interpret tables and charts to support written and oral communications. CM 8.0
 - 07.19 Exhibit public relations skills that aid in achieving customer satisfaction. CM 10.0
- 08.0 Describe the importance of professional ethics and legal responsibilities. –The student will be able to:
- 08.01 Discuss the legal framework in Florida Statutes 456 and 464, and the Florida Administrative Code, Chapter 64B9 of the health care occupation.
 - 08.02 Explain practices that could result in malpractice, liability and/or negligence.
 - 08.03 Demonstrate procedures for accurate documentation and record keeping.
 - 08.04 Interpret healthcare facility policy and procedures.
 - 08.05 Explain the patients' "Bill of Rights."
 - 08.06 Identify standards of the Health Insurance Portability and Accountability Act (HIPAA).
 - 08.07 Describe advance directives.
 - 08.08 Describe informed consent.
 - 08.09 Explain the laws governing harassment, labor and employment.
 - 08.10 Differentiate between legal and ethical issues in healthcare.
 - 08.11 Describe a Code of Ethics consistent with the health care occupation.
 - 08.12 Identify and compare personal, professional and organizational ethics.
 - 08.13 Recognize the limits of authority and responsibility of health care workers.
 - 08.14 Recognize and report illegal and/or unethical practices of health care workers.
 - 08.15 Recognize and report abuse including domestic violence and neglect.
 - 08.16 Evaluate and justify decisions based on ethical reasoning. ELR 1.0
 - 08.17 Evaluate alternative responses to workplace situations based on personal, professional, ethical, legal responsibilities, and employer policies. ELR1.1
 - 08.18 Identify and explain personal and long-term consequences of unethical or illegal behaviors in the workplace. ELR1.2
 - 08.19 Interpret and explain written organizational policies and procedures. ELR 2.0

09.0 Demonstrate an understanding of and apply wellness and disease concept. – The student will be able to:

This standard supports the following Sunshine State Standards: [HE.912.C.1.3, 1.5 HE.912.P.1.2 HE.912.B.1.4, 3.1, 3.4, and 3.6]

- 09.01 Describe strategies for prevention of diseases including health screenings and examinations.
- 09.02 Identify personal health practices and environmental factors which affect optimal function of each of the major body systems.
- 09.03 Identify psychological reactions to illness including defense mechanisms.
- 09.04 Identify complementary and alternative health practices.
- 09.05 Discuss the adverse effects of the use of alcohol, illegal drugs, steroids and other high risk behaviors on the human body.
- 09.06 Explain basic concepts of positive self image, wellness and stress.
- 09.07 Develop a wellness and stress control plan that can be used in personal and professional life. Explain the nutrition pyramid.
- 09.08 Recognize the steps in the grief process.

10.0 Demonstrate the importance of health, safety, and environmental management systems in organizations and their importance to organizational performance and regulatory compliance. – The student will be able to:

This standard supports the following Sunshine State Standards: [HE.912.C.1.5, 2.4, HE.912.P.1.2]

- 10.01 Describe personal and jobsite safety rules and regulations that maintain safe and healthy work environments. SHE 1.0
- 10.02 Demonstrate the safe use of medical equipment.
- 10.03 Study the theory of root- cause analysis
- 10.04 Identify and describe methods in medical error reduction and prevention in the various healthcare settings. *(Methods are to be taught within the appropriate scope of practice for each specific health program. Students must not practice any methods outside the appropriate scope of practice set for that health occupation.)*
- 10.05 Identify and practice security procedures for medical supplies and equipment.
- 10.06 Demonstrate personal safety procedures based on Occupations Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) regulations (including standard precautions).
- 10.07 Recognize Materials Data Safety Sheets (MSDS) and comply with safety signs, symbols and labels.
- 10.08 Demonstrate proper body mechanics and ergonomics.
- 10.09 Demonstrate the procedure for properly identifying patients.
- 10.10 Demonstrate procedures for the safe transport and transfer of patients.
- 10.11 Describe fire safety, disaster and evacuation procedures.
- 10.12 Create a disaster and/or emergency response plan. SHE 2.3
- 10.13 Discuss Joint Commission (JCAHO) patient safety goals. (www.JCAHO.org)
- 10.14 Explain emergency procedures to follow in response to workplace accidents. SHE 2.0

11.0 Recognize and respond to emergency situations. – The student will be able to:

- 11.01 Monitor and record vital signs.
- 11.02 Describe legal parameters relating to the administration of emergency care.
- 11.03 Obtain and maintain training or certification in cardiopulmonary resuscitation (CPR), automated external defibrillator (AED), foreign body airway obstruction (FBAO) and first aid.
- 11.04 Recognize adverse drug related emergencies and take appropriate first aid action.

12.0 Recognize and practice infection control procedures. – The student will be able to:

This standard supports the following Sunshine State Standards: [HE.912.C.2.4]

- 12.01 Define principles of infection control.
- 12.02 Demonstrate knowledge of medical asepsis and practice procedures such as handwashing and isolation.
- 12.03 Demonstrate knowledge of surgical asepsis.
- 12.04 Describe how to dispose correctly of biohazardous materials, according to appropriate government guidelines such as OSHA.

13.0 Use information technology tools. – The student will be able to:

This standard supports the following Sunshine State Standards: [HE.912.C.2.6
HE.912.B.1.6]

- 13.01 Describe the uses of computers in health care.
- 13.02 Define terms and demonstrate basic computer skills.
- 13.03 Recognize technology applications in healthcare.
- 13.04 Interpret information from electronic medical documents.
- 13.05 Employ technological tools to expedite workflow including word processing, databases, reports, spreadsheets, multimedia presentations, electronic calendar, contacts, email, and internet applications. IT 2.0
- 13.06 Use personal information management (PIM) applications to increase workplace efficiency. IT 1.0
- 13.07 Employ computer operations applications to access, create, manage, integrate, and store information. IT 3.0
- 13.08 Employ collaborative/groupware applications to facilitate group work. IT 4.0

14.0 Explain the importance of employability skill and entrepreneurship skills. – The student will be able to:

- 14.01 Identify personal traits or attitudes desirable in a member of the healthcare team.
- 14.02 Define basic professional standards of healthcare workers as they apply to hygiene, dress, language, confidentiality and behavior (i.e. courtesy and self-introductions).
- 14.03 Identify documents that may be required when applying for a job. Maintain a career portfolio to document knowledge, skills, and experience. ECD 5.0
- 14.04 Write an appropriate resume.
- 14.05 Conduct a job search and complete a job application form correctly.
- 14.06 Demonstrate competence in job interview techniques.

- 14.07 Recognize levels of education, credentialing requirements, employment opportunities, workplace environments and career growth potential.
- 14.08 Identify acceptable work habits.
- 14.09 Identify and demonstrate positive work behaviors needed to be employable. ECD 1.0
- 14.10 Compare careers within the health science career pathways (diagnostic services, therapeutic services, health informatics, support services or biotechnology research and development).
- 14.11 Develop personal career plan that includes goals, objectives, and strategies. ECD 2.0
- 14.12 Examine licensing, certification, and industry credentialing requirements. ECD 3.0
- 14.13 Evaluate and compare employment opportunities that match career goals. ECD 6.0
- 14.14 Identify and exhibit traits for retaining employment. ECD 7.0
- 14.15 Identify opportunities and research requirements for career advancement. ECD 8.0
- 14.16 Research the benefits of ongoing professional development. ECD 9.0
- 14.17 Examine and describe entrepreneurship opportunities as a career planning option. ECD 10.0

15.0 Demonstrate knowledge of blood borne diseases, including HIV/AIDS. – The student will be able to:

This standard supports the following Sunshine State Standards: [HE.912.P.2.1 HE.912.B.1.4 HE.912.C. 1.1, 1.5, 1.6, 1.7, 1.8, 2.2, 2.7, and 2.8]

- 15.01 Recognize emerging diseases and disorders.
- 15.02 Distinguish between fact and fallacy about the transmission and treatment of diseases caused by blood borne pathogens including Hepatitis B.
- 15.03 Identify "at risk" behaviors that promote the spread of diseases caused by blood borne pathogens and the public education necessary to combat the spread of these diseases.
- 15.04 Identify community resources and services available to the individuals with diseases caused by blood borne pathogens.
- 15.05 Apply infection control techniques designed to prevent the spread of diseases caused by blood borne pathogens to the care of all patients following Centers for Disease Control (CDC) guidelines.
- 15.06 Demonstrate knowledge of the legal aspects of AIDS, including testing.

16.0 Demonstrate mathematics and science knowledge and skills. – The student will be able to:

This standard supports the following Sunshine State Standards: [MA.912.A.2.1, MA.912.A.2.2, 2.13 MA.912.A.1.5 MA.912.A.10.1, MA.912.A.10.2, MA.912.A.10.4 MA.912.A.5.1, MA.912.A.5.3, MA.912.A.5.4, MA.912.A.5.7 and SC.912.N.1.1, 1.4, 1.6, 1.7 and SC.912.N.3.1, 3.2, 3.3, 3.4, 3.5]

- 16.01 Construct charts/tables/graphs using functions and data. AF3.5
- 16.02 Measure time, temperature, distance, capacity, and mass/weight.
- 16.03 Make and use measurements in both traditional and metric units.

- 16.04 Make estimates and approximations and judge the reasonableness of the result.
 - 16.05 Convert from regular time to the 24-hour clock.
 - 16.06 Demonstrate ability to evaluate and draw conclusions.
 - 16.07 Organize and communicate the results obtained by observation and experimentation.
 - 16.08 Formulate scientifically investigable questions, construct investigations, collect and evaluate data, and develop scientific recommendations based on findings. AF4.3
 - 16.09 Demonstrate knowledge of arithmetic operations. AF3.2
 - 16.10 Analyze and apply data and measurements to solve problems and interpret documents. AF3.4
 - 16.11 Discuss the role of creativity in constructing scientific questions, methods and explanations. AF4.1
- 17.0 Demonstrate language arts knowledge and skills. –The students will be able to:
- 17.01 Locate, comprehend and evaluate key elements of oral and written information. AF2.4
 - 17.02 Draft, revise, and edit written documents using correct grammar, punctuation and vocabulary. AF2.5
 - 17.03 Present information formally and informally for specific purposes and audiences. AF2.9
- 18.0 Demonstrate personal money-management concepts, procedures, and strategies. – The students will be able to:
- This standard supports the following Sunshine State Standards: [MA.912.F.4.1, 4.2]
- 18.01 Identify and describe the services and legal responsibilities of financial institutions. FL 2.0
 - 18.02 Describe the effect of money management on personal and career goals. FL 3.0
 - 18.03 Develop a personal budget and financial goals. FL3.1
 - 18.04 Complete financial instruments for making deposits and withdrawals. FL3.2
 - 18.05 Maintain financial records. FL3.3
 - 18.06 Read and reconcile financial statements. FL3.4
 - 18.07 Research, compare and contrast investment opportunities. FL4.0
- 19.0 Solve problems using critical thinking skills, creativity and innovation. – The students will be able to:
- 19.01 Employ critical thinking skills independently and in teams to solve problems and make decisions. PS1.0
 - 19.02 Employ critical thinking and interpersonal skills to resolve conflicts. PS 2.0
 - 19.03 Identify and document workplace performance goals and monitor progress toward those goals. PS 3.0
 - 19.04 Conduct technical research to gather information necessary for decision-making. PS 4.0
- 20.0 Describe the roles within teams, work units, departments, organizations, inter-organizational systems, and the larger environment. – The students will be able to:

- 20.01 Describe the nature and types of business organizations. SY 1.0
 - 20.02 Explain the effect of key organizational systems on performance and quality. SY 1.0
 - 20.03 List and describe quality control systems and/or practices common to the workplace. SY 2.0
 - 20.04 Explain the impact of the global economy on business organizations. SY 2.0
- 21.0 Demonstrate leadership and teamwork skills needed to accomplish team goals and objectives. – The students will be able to:
- 21.01 Employ leadership skills to accomplish organizational goals and objectives. LT1.0
 - 21.02 Establish and maintain effective working relationships with others in order to accomplish objectives and tasks. LT3.0
 - 21.03 Conduct and participate in meetings to accomplish work tasks. LT 4.0
 - 21.04 Employ mentoring skills to inspire and teach others. LT 5.0

At the completion of HS1 & HS2 the student has completed OCP A- Basic Healthcare Worker-(Industry Title) SOC 31-9099.

