Florida CTE: Health Science

Medical Skills and Services (2026–2027)

Demonstrate the ability to communicate effectively. The student will be able to: 01.0	**01.** Differentiate between verbal, non-verbal, and written communication. 01.01
	02. Develop active listening skills. 01.02
	03. Demonstrate ability to follow written and oral directions. 01.03
	04. Analyze elements of constructive and non-constructive criticism. 01.04
	05. Define, pronounce and spell common medical terms and abbreviations necessary to safely carry out medical instructions. 01.05
	06. Demonstrate awareness of and sensitivity to barriers to communication, including cultural differences, language, and disability. 01.06
Apply basic mathematics skills used in health care. The student will be able to: 02.0	**01.** Measure and record height and weight using a variety of measurement systems used in health care. 02.01
	02. Convert common weights, measures and volumes to and from metric as applied in the healthcare setting. 02.02
	03. Convert between regular and 24-hour clock time. 02.03
	04. Perform mathematical calculations to solve numeric, symbolic, and word problems relevant to healthcare occupations and/or medical scenarios. 02.04
Demonstrate knowledge of the services provided by health occupations career clusters. The student will be able to: 03.0	**01.** Discuss the history of health care services and medical progress in the (5) health science career pathway, such as developments in diagnostic technology, sterilization, electronic health records, etc. 03.01
	02. Describe at least 2 occupations for each health science pathway, 3 types of services provided by each career chosen, and perform at least 2 skills for each career chosen: - Therapeutic Services - Diagnostic Services - Health Informatics - Support Services - Biotechnology Research and Development 03.02
	03. Research and/or explore at least 3 “alternative medicine” occupations and services of each. 03.03

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Recognize and practice basic health skills. The student will be able to: 04.0	**01.** Demonstrate proper hand cleansing, including proper hand-washing and proper use of alcohol-based hand gel. 04.01
	02. Demonstrate proper application and disposal of Personal Protective Equipment (gloves, gown, mask, goggles) 04.02
	03. Perform proper body mechanics to prevent injury to patients and self. 04.03
	04. Apply infection control techniques designed to prevent the spread of diseases to the care of all patients following Centers for Disease Control and Prevention (CDC) guidelines. 04.04
	05. Analyze the parts of the chain of infection and how to break it. 04.05
	06. Demonstrate how to prevent accidents, injuries and infection in accordance with OSHA standards. 04.06
	07. Demonstrate fire safety in medical facilities including RACE and PASS procedures. 04.07
	08. Demonstrate and record vital signs to include temperature, pulse, blood pressure, and respirations while recognizing the normal range for each. 04.08
	09. Demonstrate vision screening. 04.09
	10. Demonstrate ability to test for hearing using simple tools. 04.10
	11. Demonstrate ability to test reflexes. 04.11
Demonstrate first aid, CPR, and BLS. The student will be able to: 05.0	**01.** Describe wounds and the appropriate first aid treatment. 05.01
	02. Identify various types of shock and their treatments. 05.02
	03. Recognize types of poisoning and treatment. 05.03
	04. Identify classifications of burns and their appropriate treatment. 05.04
	05. Describe ill effects of heat and cold and the appropriate first aid for each. 05.05
	06. Demonstrate immobilization for suspected fractures. 05.06
	07. Recognize the signs, symptoms, and appropriate first aid for heart attack. 05.07
	08. Recognize the signs, symptoms, and appropriate first aid for fainting and seizures. 05.08
	09. Recognize the signs, symptoms, and appropriate first aid for diabetic reactions. 05.09
	10. Recognize the signs, symptoms, and appropriate first aid for stroke. 05.10

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	11. Describe first aid for foreign objects in the eye and ear. 05.11
	12. Perform skills in BLS. 05.12
	13. Demonstrate first aid for choking. 05.13
Demonstrate knowledge of legal aspects of healthcare delivery. The student will be able to: 06.0	01. Identify how laws (i.e., "Good Samaritan") protect individuals in emergent situations. 06.01
	02. Describe the need for advanced directives and health care surrogates. 06.02
	03. Describe legal procedures for donating organs. 06.03
	04. Describe the need for health insurance and the different types available. 06.04
Demonstrate an understanding of factors that affect mental and emotional health. The student will be able to: 07.0	01. Analyze causes of stress/stressors. 07.01
	02. Identify problem solving skills to resolve stress. 07.02
	03. Demonstrate stress reduction techniques. 07.03
	04. Demonstrate knowledge of mental health as a legitimate illness, equivalent to all general health conditions. 07.04
	05. Identify factors that explain why health occupations are emotionally and physically demanding. 07.05
	06. Demonstrate coping strategies for dealing with mental and emotional health issues. 07.06
	07. Recognize the steps in the grief process. 07.07
Demonstrate knowledge of blood-borne diseases. The student will be able to: 08.0	01. Describe the differences between fact and fallacy about the transmission and treatment of diseases caused by blood-borne pathogens. 08.01
	02. Evaluate the differences between outbreak, epidemic, endemic, and pandemic. 08.02
	03. Identify community resources and services available to the individual with diseases caused by blood-borne pathogens. 08.03
	04. Identify at risk behaviors for blood-borne disease and the public education necessary to reduce community spread. 08.04
	05. Demonstrate knowledge of the legal aspect of blood-borne disease. 08.05
De un technology applications	Differentiate between the various computer based diagnostic studies in healthcare (e.g., X-ray, MRI, CT scan, and CPET). 09.01

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in healthcare. The student will be able to: 09.0	**02.** Discuss how computers affect legal and ethical questions in the health field. 09.02
	03. Discuss the use of Electronic Health Records, including information included. 09.03
	04. Demonstrate how to send patient information digitally. 09.04
	05. Discuss the security and necessary protections of Electronic Health Records and other electronic communications as determined by HIPAA regulations. 09.05
Demonstrate employability skills. The student will be able to: 10.0	**01.** Explore steps for getting a job in health care, such as identifying local job openings, completing a job application, and participating in a mock job interview. 10.01
	02. Examine levels of education, credentialing requirements including licensure and certification, employment opportunities, workplace environments, and career growth potential. 10.02
	03. Create a cover letter and resume. 10.03
	04. Discuss professionalism and the ethical role and responsibility of the healthcare worker. 10.04