

SEACOAST SCHOOL OF TECHNOLOGY  
**Health Sciences & Technologies Competencies**

<b>Technical Competencies</b>
1. Identify basic levels of organization of the human body including structure, function as related to each body system. CRP 2, 7
2. Students will describe common diseases and disorders of each body system including treatment, diagnosing, and prevention of disease. Students will discuss research related to emerging diseases and disorders. CRP 2,7
3. Demonstrate competency in basic math skills as related to health care including the metric system, mathematical conversion, mathematical skills, and 24-hour clock. CRP 2, 7
4. Demonstrate the ability to analyze diagrams, charts and graphs. CRP 2, 7
5. Demonstrate effective verbal and nonverbal communication modifying when necessary to meet patient needs. Students will differentiate between subjective and objective information. CRP 4, 6
6. Identify and use common medical terminology roots, prefixes, suffixes and abbreviations. CRP 4, 6
7. Utilize the proper elements of written and electronic communication and prepare various examples of writing. CRP 4, 6
8. Compare, discuss and assess healthcare delivery systems, including responsibilities of consumers, the impact of emerging issues, healthcare economics, and common methods of payment. CRP 4, 6
9. Identify personal traits, attitudes, and the necessary employability skills desirable in a member of the healthcare team.
10. Research levels of education, credentialing requirements, and employment trends distinguishing differences among careers within health science pathways.
11. Develop components of a personal portfolio and identify strategies for pursuing employment.
12. Analyze legal responsibilities and implications of criminal and civil law. CRP 5
13. Apply standards for the safety, privacy and confidentiality of health information and describe the use of advanced care directive and summarize patient rights within a healthcare setting and define informed consent. CRP 5
14. Differentiate between legal and ethical issues in healthcare and identify ethical issues and their implications related to healthcare. CRP 6, 8, 9, 12
15. Discuss religious and cultural values as they relate to healthcare and demonstrate respectful and empathetic treatment of all patients. CRP 6, 8, 9, 12

16. Explain principle of infection control as it applies to classifying microorganisms, chain of infection, mode of transmission, and will differentiate methods of controlling the spread and growth of microorganisms.
17. Demonstrate application of personal safety procedures based on OSHA and CDC regulations, and demonstrate principles of body mechanics.
18. Demonstrate application of environmental safety techniques; ergonomics, safe of operation or equipment and patient/client safety measures.
19. Demonstrate workplace safety skills including an understanding of Occupational Exposure to Hazardous Chemical Standards, and compliance with safety signs, symbols, and labels.
20. Demonstrate applications of emergency procedures and protocols; fire safety techniques, and principles of basic emergency response procedures in natural and other emergencies.
21. Evaluate roles, responsibilities and characteristics of effective teams and types of leaders while promoting positive team management techniques. CRP 6, 8, 9, 12
22. Promote behaviors of health and wellness by describing strategies for prevention of disease and investigate complementary and alternative health practices as they relate to wellness and disease prevention. CRP 3
23. Demonstrate measuring and recording vital signs and become certified in CPR for healthcare professionals.
24. Demonstrate knowledge of the EMR, explore the different types of data collection tools, and adhere to polices regarding documentation in the EMR.
25. Discuss and explain the fundamentals of HIPAA and consequence of inappropriate use of health care data.
26. Demonstrate basic computer skills including word processing, and organization of files. Students will demonstrate appropriate use of email and social media in the work environment.
Career Ready Practices (CRP) 1 Demonstrate creativity and innovation. 2 Model integrity, ethical leadership and effective management. 3 Attend to personal health and financial well-being. 4 Consider the environmental, social and economic impacts of decisions. 5 Act as a responsible and contributing citizen and employee. 6 Communicate clearly, effectively, and with reason. 7 Apply appropriate academic and technical skills. 8 Employ valid and reliable research strategies. 9 Use technology to enhance productivity. 10 Work productively in teams while using cultural / global awareness. 11 Utilize critical thinking to make sense of problems and persevere in solving them. 12 Plan education and career path aligned to personal goals.