

Elizabethton CTE

Health Science

Meet the Instructors:

Katie Dugger RN, BSN
Milligan College: 2008
Bachelor's Degree of nursing



Lauren Meier RRT, BS
East Tennessee State University,
Cardiopulmonary Science

Freshmen Course Offered:

Health Science Education

This class explores the history of healthcare, healthcare careers, basics of body systems, infection control, and foundational skills for healthcare workers.

Health Science Education is an introductory course designed to prepare students to pursue careers in the fields of public health, therapeutics, health informatics, diagnostics, and support services. Upon completion of this course, a proficient student will be able to identify careers in these fields, compare and contrast the features of healthcare systems, explain the legal and ethical ramifications of the healthcare setting, and begin to perform foundational healthcare skills. This course serves as the first level course for all of the career pathways.



Courses Offered:

Health Science Education: an introductory course designed to prepare students to pursue careers in the fields of public health, therapeutics, health informatics, diagnostics, and support services.

Medical Therapeutics: an applied course designed to prepare students to pursue careers in therapeutic and nursing services.

Diagnostic Medicine: a second or third level course designed to prepare students to pursue careers in the fields of radiology, medical laboratory, optometry, and other patient diagnostic procedures.

Anatomy and Physiology: is designed to develop an understanding of the structures and functions of the human body, while relating those to knowledge and skills associated with pathophysiology.

Emergency Medical Services: a capstone course in the Emergency Medical Services program of study and is designed to prepare students to pursue careers in the fields of emergency medicine.

Nursing Education: a capstone course designed to prepare students to pursue careers in the field of nursing.

Clinical Internship: a capstone course and work-based learning experience designed to provide students with real-world application of skills and knowledge obtained in a pre-requisite Health Science course.

The Health Science concentration offers courses to students interested in pursuing any career in the field of healthcare. Health Science courses combine knowledge with basic skills needed in today's healthcare industry. Health Science students learn about careers, education opportunities, healthcare systems, disease processes, and patient assessment including: diagnoses, treatments, and education. At the completion of the program, Clinical Internship and Nursing Education students have the opportunity to complete internships in the healthcare field through work-based learning. Both health science teachers are certified CPR instructors and students will have numerous opportunities to become CPR certified.



Available Career Pathways:

- Nursing Services
- Emergency Services
- Therapeutic Services
- Exercise Physiology



Available Industry Certification: Certified Nursing Assistant (CNA)

Upon completion of Nursing Education, students will be eligible to sit for the CNA knowledge and skills test to obtain their CNA license.



Club Information:

HOSA (Health Occupation Students of America): Meets monthly and offers activities such as annual competitions and service projects with a focus on healthcare.

HOSA annual membership fee is \$15

