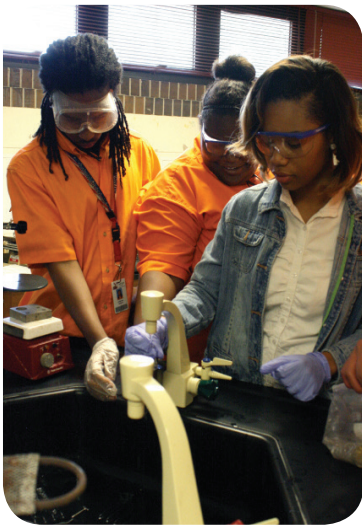


## Academy Overview: Health Science



The Academy of Health Science will provide students with essential knowledge and skills for entering the health care field. It is a competency-based program that utilizes learner-centered instruction and provides opportunities for students to learn skills necessary for a career path in Health Science. The Health Science Program identifies core knowledge and professional ethics essential to all health care learners/workers who pursue a path in a health care career. Amongst building character and introducing students to career opportunities across the Healthcare field, the program's goals also include providing facilities, and practice skills learned in the classroom. Upon successful completion of the program, students will be prepared for employment in entry-level healthcare jobs and/or acceptance in a postsecondary health education program. Students will also be tested for licensure as a Certified Nursing Assistant (CNA) and/or Emergency Medical Responder.

## Course Sequences

Grade	Therapeutic Services	Sports Medicine
9th	Orientation to Health Science (.5)	Orientation to Health Science (.5)
10th	Foundations of Health Science	Foundations of Health Science
11th	Therapeutic Services	Human Body Structures and Function
12th	Continuum Internship and/or Work-Based Learning	Sports Medicine/Continuum Internship and/or Work-Based Learning

## Course Descriptions

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### Foundations of Health Science

This course is a required course that introduces students to a wide range of health careers. Integrated academics combined with health care knowledge and skills provide the framework for a strong health care delivery system in the twenty-first century. This course is the prerequisite for all the health science courses. It is recommended for all students who want to prepare for further study in an array of health-related fields at the postsecondary level.

### Orientation to Health Science

This course is to assist students in making informed decisions regarding their college and career goals. Students will be given the opportunity to apply knowledge and skills related to the Health Science cluster. The course also includes information concerning the practices for promoting health, wellness, and disease prevention.

### Therapeutic Services

This course is designed to keep abreast of the rapid changes in business and industry by offering students a rigorous array of coursework and work-based experience to help prepare them for advanced learning and a wide range of health career opportunities. This course is designed to provide the local education agency flexibility to meet health care demands in the community. Students are introduced to careers in therapeutic services including, but not limited to, nursing, medicine, physical therapist, surgical technologist, respiratory therapist, emergency medical technician, and others.

### Human Body Structure & Function

This course is designed to help students develop a basic knowledge of the normal structure and function of the human body. The course uses an integrated approach for teaching medical terminology to health care students by incorporating medical terminology into instruction regarding human body structures and functions and the disease process.

### Health Science Internship

This course includes a variety of knowledge and skills necessary for becoming a health care worker or for preparing students for postsecondary health care education programs. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facilities. Theory and laboratory components comprise at least ten percent of the Health Science Internship course.

### Sports Medicine

This course introduces students to the sports medicine profession. Course content specifies core knowledge and skills needed by workers in the sports medicine field. Upon successful completion of the course, students may enroll in the Advanced Health Seminar or the Work-Based Experience Seminar.