

Career and Technical Education

ALSDE - approved CTE Course of Study Standards linked [HERE](#).

Supplemental Resources: Subject area courses may utilize the following supplemental resources:

Below are the adopted textbooks for CTE courses as well as the course outline and description.

Course	Textbook Title	Author	Edition	Publisher	Copyright Year	Tentative Course of Study	Course Descriptions
HUMAN BODY STRUCTURES AND FUNCTIONS	INTRODUCTION TO ANATOMY AND PHYSIOLOGY	S Hall, M Provost-Craig, and W. Rose	3RD	GOODHEART	2024	2023 Alabama Course of Study: Health Science	A one-credit course designed to help students learn care content that emphasizes the structure and functions of cells, tissues, organs, organization of the human body systems, and medical terminology. Scientific processes, problem-based learning and critical thinking are integral parts of the course.
FOUNDATIONS OF HEALTH SCIENCE	INTRODUCTION TO HEALTH SCIENCE	D. Winger and S. Blahnik	2ND	GOODHEART	2024	2023 Alabama Course of Study: Health Science	A one-credit foundational course that introduces students to integrated academics, employability and career development skills, legal and ethical issues, communications, safety, and life skills. This course is a prerequisite to all courses in the Health Science cluster.
LONG TERM CARE NURSING ASSISTANT	INTRODUCTION TO HEALTH SCIENCE	D. Winger and S. Blahnik	2ND	GOODHEART	2024	2023 Alabama Course of Study: Health Science	This course fulfills the seventy-five (75) hour Omnibus Budget Reconciliation Act (OBRA) requirements for training of long-term care nursing assistants in preparation for certification through competency evaluation. Emphasis is placed on the development of the knowledge, attitudes, and skills required of the long-term care nursing assistant. Upon completion of this course, the student should demonstrate satisfactory performance on written examinations and clinical skills.
MEDICAL TERMINOLOGY	INTRODUCTION TO HEALTH SCIENCE	D. Winger and S. Blahnik	2ND	GOODHEART	2024	2023 Alabama Course of Study: Health Science	A one-credit course designed for students to develop health care-specific knowledge for a career in the medical field. The course uses an integrated approach for teaching the language by incorporating medical terminology with anatomy and physiology and the disease process.
PATIENT CARE TECHNICIAN	INTRODUCTION TO HEALTH SCIENCE	D. Winger and S. Blahnik	2ND	GOODHEART	2024	2023 Alabama Course of Study: Health Science	Patient Care Technician is a one credit course that provides students the opportunity to become effective and efficient multi-skilled healthcare providers. Students will develop a working knowledge of advanced patient care skills, vital signs, 12-lead EKG&E™s, oxygen therapy, basic phlebotomy via simulation, and specimen collection and processing. Essential workforce skills and safety will be emphasized, as well as, professional ethics and legal responsibilities. Students will ascertain employability skills and soft skills required by business and industry. Upon successful completion of required theory, lab, and simulation, students may be eligible to sit for Patient Care Technician Certification.
THERAPEUTIC SERVICES	INTRODUCTION TO HEALTH SCIENCE	D. Winger and S. Blahnik	2ND	GOODHEART	2024	2023 Alabama Course of Study: Health Science	Therapeutic Services is a course 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.
HEALTH SCIENCE INTERNSHIP	INTRODUCTION TO HEALTH SCIENCE	D. Winger and S. Blahnik	2ND	GOODHEART	2024	2023 Alabama Course of Study: Health Science	Health Science Internship is a two-credit course designed for students in Grades 11 or 12. This course includes a variety of knowledge and skills necessary for becoming a healthcare 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.
OPERATING ROOM ESSENTIALS	INTRODUCTION TO HEALTH SCIENCE	D. Winger and S. Blahnik	2ND	GOODHEART	2024	2023 Alabama Course of Study: Health Science	Operating Room Essentials introduces students to the exciting and dynamic world of the operating room and to an array of multidisciplinary specialties and concepts within perioperative medicine. Course content focuses on the knowledge and skills needed to promote patient safety and optimize surgical outcomes. Operating Room Essentials is recommended for students who want to prepare for postsecondary study in health-related fields that utilize sterile techniques and/or provide care for patients before, during, or after surgery.
CTE LAB IN HEALTH SCIENCE	INTRODUCTION TO HEALTH SCIENCE	D. Winger and S. Blahnik	2ND	GOODHEART	2024	2023 Alabama Course of Study: Health Science	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Health Science through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.
SPORTS MEDICINE ADVANCED	ROLE OF ATHLETIC TRAINING IN SPORTS MEDICINE	S Hall, M Provost-Craig, and W. Rose	2ND	MCGRAW HILL	2021	2023 Alabama Course of Study: Health Science	Sports Medicine Advanced is a one credit course with strong emphasis on musculoskeletal injuries as well as the psychological and sociological responses to injuries and illness. Students will demonstrate critical thinking skills, patient care skills related to prevention, rehabilitation, and management, and communicate appropriate outcomes through oral and written communication. Course content will include an understanding of basic pathophysiology, kinesiology, and principles of treatment. An analysis of a variety of health situations involved in the sports medicine pathway will be conducted through project based learning, laboratory, simulation, and clinical experiences.
SPORTS MEDICINE FUNDAMENTALS	ROLE OF ATHLETIC TRAINING IN SPORTS MEDICINE	Prentice	2ND	MCGRAW HILL	2021	2023 Alabama Course of Study: Health Science	Sports Medicine Fundamentals is a one credit course that will provide an overview of the field of sports medicine as well as expose students to fundamental skills. The importance of legal and ethical concerns will be emphasized. Students will learn about career opportunities, medical terminology, safety, assessment and emergency preparedness in sports medicine.
SPORTS MEDICINE INTERMEDIATE	ROLE OF ATHLETIC TRAINING IN SPORTS MEDICINE	Prentice	2ND	MCGRAW HILL	2021	2023 Alabama Course of Study: Health Science	Sports Medicine Intermediate is a one credit course that teaches fundamental skills to include therapeutic exercise regimens within the field of sports medicine. Students will explore the study of sports medicine and the relationship to risk management and injury prevention. Students will demonstrate an understanding of anatomy and physiology, with emphasis on the musculoskeletal system. The importance of health promotion, wellness, injury and disease prevention will be emphasized. Students will examine sports medicine facilities, policies, procedures, and protocols utilized in patient care.
SPORTS MEDICINE I	ROLE OF ATHLETIC TRAINING IN SPORTS MEDICINE	Prentice	2ND	MCGRAW HILL	2021	2023 Alabama Course of Study: Health Science	Sports Medicine I introduces students to the field of sports medicine and its important goals of managing risk and preventing and treating sports-related injuries. The course presents basic concepts and skills regarding legal and ethical considerations, anatomy and physiology, safety, nutrition, assessment, therapeutic exercise, and physical modalities.

SPORTS MEDICINE II	ROLE OF ATHLETIC TRAINING IN SPORTS MEDICINE	Prentice	2ND	MCGRAW HILL	2021	2023 Alabama Course of Study: Health Science	Sports Medicine II extends the content of Sports Medicine I with strong emphasis on musculoskeletal injuries and on psychological and sociological responses to injuries and illness. The course also emphasizes critical thinking, oral and written communication of anticipated outcomes, and patient care skills related to prevention, rehabilitation, and management. Course content incorporates basic pathophysiology, kinesiology, and principles of treatment. Analysis of a variety of health situations related to the sports medicine pathway is also included through project-based learning, laboratory activities, and simulation.
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