

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
BASIC CONSTRUCTION	MODERN CARPENTRY	Jones, Wagner, Smith, Huth	13th Edition	Goodhert	2022	ALABAMA COURSE OF STUDY- Architecture and Construction	This course introduces students to the opportunities in and requirements of the construction industry. Topics include economic outlook for construction, employment outlook, job opportunities, training, apprenticeship, entrepreneurship, construction tools, materials, and equipment, job safety and OSHA standards. Upon course completion, students should be able to identify the job market, types of training, knowledge of apprenticeship opportunities, construction tools, materials, equipment, and safety procedures
NCCER CORE	NCCER CORE: INTRODUCTION TO BASIC CONSTRUCTION SKILLS	NCCER	6th Edition	Pearson/Savvas	2021	ALABAMA COURSE OF STUDY- Architecture and Construction	This course is designed to provide students with knowledge and skills related to multi-craft technicians in a variety of fields. Information in this course is based on the National Center for Construction Education and Research (NCCER) core curriculum and prepares students to test for the NCCER Credential. High School students that have received a NCCER Core Certification Card in any Technical Program should not retake this course.
BASIC CONSTRUCTION LAYOUT	MODERN CARPENTRY	Jones, Wagner, Smith, Huth	13th Edition	Goodhert	2022	ALABAMA COURSE OF STUDY- Architecture and Construction	This course provides students basic building layout skills. Topics include the builder's level, transit and basic site layout techniques. Upon completion, students should be able to solve differential leveling problems, set up and operate the builder's level and transit, build batter boards, and perform basic construction layout procedures.
ROOF AND CEILING SYSTEMS	MODERN CARPENTRY	Jones, Wagner, Smith, Huth	13th Edition	Goodhert	2022	ALABAMA COURSE OF STUDY- Architecture and Construction	This course focuses on framing ceilings and roofs. Emphasis is placed on the various types of ceiling and roofing frames, rafters, trusses, ceiling joists, roof decking, and roofing materials. Upon completion, students should be able to explain how to frame a roof and ceiling, identify proper installation methods of roofing materials, and describe applicable safety rules.
ROOF AND CEILING SYSTEMS LAB	MODERN CARPENTRY	Jones, Wagner, Smith, Huth	13th Edition	Goodhert	2022	ALABAMA COURSE OF STUDY- Architecture and Construction	The course provides students with practical experience in roof and ceiling layout, framing, and installation. Upon completion, the student should be able to layout and frame a roof and ceiling, cut 135 and install rafters, and joists, install trusses, cut and apply roof decking and roofing materials, and apply job site safety rules.
INTERIOR AND EXTERIOR FINISHES	MODERN CARPENTRY	Jones, Wagner, Smith, Huth	13th Edition	Goodhert	2022	ALABAMA COURSE OF STUDY- Architecture and Construction	This course introduces the student to interior and exterior finishing materials and techniques. Topics include interior trim of windows and doors, ceilings, and wall moldings, exterior sidings, trim work, painting and masonry finishes. Upon completion the students should be able to identify, describe the uses of, and install different types of doors, windows and moldings; identify and install the types of exterior sidings and trim, and describe the different types of paint and their proper application
CONSTRUCTION MEASUREMENTS AND CALCULATIONS	MODERN CARPENTRY	Jones, Wagner, Smith, Huth	13th Edition	Goodhert	2022	ALABAMA COURSE OF STUDY- Architecture and Construction	This course focuses on the mathematics and calculations used in building construction. Topics include direct and computed measurements and practical applications of mathematical formulas. Upon completion, students should be able to apply measurement and mathematical formulas used in building construction.
PROJECT MANAGEMENT	MODERN CARPENTRY	Jones, Wagner, Smith, Huth	13th Edition	Goodhert	2022	ALABAMA COURSE OF STUDY- Architecture and Construction	Project Management is designed to introduce students to the myriad facets of Program and Project Management, test the character of each student as they juggle the complexities and conflicting demands, and initiate the development of difficult decision-making, for a successful program.
CTE LAB IN ARCHITECTURE AND CONSTRUCTION	MODERN CARPENTRY	Jones, Wagner, Smith, Huth	13th Edition	Goodhert	2022	ALABAMA COURSE OF STUDY- Architecture and Construction	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Architecture and Construction 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.
CONSTRUCTION BASICS	NCCER CORE: INTRODUCTION TO BASIC CONSTRUCTION SKILLS	NCCER	6th Edition	Pearson/Savvas	2021	ALABAMA COURSE OF STUDY- Architecture and Construction	This course introduces students to the opportunities in and requirements of the construction industry. Topics include economic outlook for construction, employment outlook, job opportunities, training, apprenticeship, entrepreneurship, construction tools, materials, and equipment, job safety and OSHA standards. Upon course completion, students should be able to identify the job market, types of training, knowledge of apprenticeship opportunities, construction tools, materials, equipment, and safety procedures.
CONSTRUCTION BASICS LAB	NCCER CORE: INTRODUCTION TO BASIC CONSTRUCTION SKILLS	NCCER	6th Edition	Pearson/Savvas	2021	ALABAMA COURSE OF STUDY- Architecture and Construction	This course introduces students to the opportunities in and requirements of the construction industry. Topics include economic outlook for construction, employment outlook, job opportunities, training, apprenticeship, entrepreneurship, construction tools, materials, and equipment, job safety and OSHA standards. Upon course completion, students should be able to identify the job market, types of training, knowledge of apprenticeship opportunities, construction tools, materials, equipment, and safety procedures.