

COMMERCIAL CARPENTRY CAREER PATHWAY

SUBJECT
CODE

178018

11th GRADE

COLLEGE CREDIT

CTAG CTCON002

3 CREDIT HOURS

CONSTRUCTION SAFETY AND CREW LEADERSHIP

This course covers OSHA standards (30-hr OSHA) and requirements as they apply to the construction industry and crew/project management. Topics include safety and health hazards, safe practices, construction safety management, and crew management. Emphasis is on hazard identification, avoidance, control and prevention.

SUBJECT
CODE

178000

11th GRADE

CORE & SUSTAINABLE CONSTRUCTION

Students will learn principles in basic safety (10-hr OSHA), construction math, hand and power tool care and operation, blueprint reading, material handling, communication and employability skills. An emphasis will be placed on safe and green construction practices.

SUBJECT
CODE

178040

11th GRADE

FUNDAMENTALS OF ARCHITECTURE AND CONSTRUCTION

In this first course in the career field, students will be introduced to the basic principles of architecture and construction. During this course, students will read and create construction drawings and use hand tools to create basic construction projects and models. Throughout the course, students will use hands-on skills and procedures in a laboratory setting. Additionally, students will investigate career opportunities in construction and architecture related fields.

SUBJECT
CODE

178004

12th GRADE

STRUCTURAL COVERINGS AND FINISHES

This course will address applications of interior and exterior finish work. Students will identify material properties and select for appropriate application. Students will install thermal and moisture protection including roofing, siding, fascia and soffits, gutters, and louvers. Students will install drywall; trim-joinery and molding and apply wall, floor and ceiling coverings and finishes. Throughout the course, the safe handling of materials, personal safety, prevention of accidents and the mitigation of hazards are emphasized.

SUBJECT
CODE

178029

12th GRADE

CONSTRUCTION CAPSTONE

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in Construction programs in a more comprehensive and authentic way. Capstones often include project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.

