



COURSE SYLLABUS
CONSTRUCTION TECHNOLOGY II
Fall 2021

PROGRAM TITLE: Construction Technology II

DOE CODE: 5578

RECOMMENDED GRADE LEVEL: 12

PREREQUISITES: Construction Technology I

HIGH SCHOOL CREDITS: 3 per semester (6 total per school year)

QR: This program qualifies as a quantitative reasoning course.

ELECTIVE INFORMATION: Counts as a Directed Elective or Elective for all diplomas

HOW WCC CAN HELP MEET GRADUATION PATHWAYS:

Pathway 1 High School Diploma = Directed Electives

Pathway 2 Employability Skills = Work-Based Learning

Pathway 3 Postsecondary Ready = CTE Concentrator

Pathway 3 Postsecondary Ready = Dual Credit

Pathway 3 Postsecondary Ready = Industry-Recognized Certification

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PROGRAM DESCRIPTION: Construction Technology II builds on the formation, installation, maintenance, and repair skills learned in Construction Technology I. Information on materials, occupations, and professional organizations within the industry are covered. Students will develop basic knowledge, skills, and awareness of interior trim and the installation of drywall, moldings, interior doors, cabinets, and baseboard moldings. Students will also develop exterior finishing skills. The program includes instruction on the installation of cornices, windows, doors, and various types of sidings currently used in industry. Studies will also focus on the design and construction of roof systems and the use of framing squares for traditional rafter and truss roofing. Construction Technology II students develop leadership skills and work as team leaders. Upon completion of this program, students continue their education in 2 and 4-year degree programs at the postsecondary level or enter employment in one of the many construction fields. Students also enter apprenticeship programs for specific construction trades.

MAJOR LEARNING OBJECTIVES:

1. Select the appropriate materials, processes, and technologies to accurately estimate interior trim and finish projects.
2. Select the appropriate tools, procedures, and material estimation techniques to perform exterior finish projects to code and specification.
3. Apply concepts of roofing layout, slopes, pitches, and materials estimation to construct residential facilities.

REQUIRED TEXT/CURRICULUM MATERIALS:

- Carpentry; Cengage Learning
- One Trade, Many Careers; Carpenters International Training Fund
- Project Book #2; Carpenters International Training Fund

INDUSTRY CERTIFICATION AVAILABLE:

NCCER (National Center for Construction Education and Research) Carpentry I
Testing required. Fees may apply. Qualifies for THD and Pathways Industry-Recognized Certification.

DUAL CREDITS AVAILABLE:

BCTI 101 Introduction to Carpentry, Part 1
Ivy Tech 3 credits
Pre-requisite applies. Qualifies for THD and Pathway Dual Credits.

BCTI 102 Introduction to Carpentry, Part 2
Ivy Tech 3 credits
Co-requisite applies. Qualifies for THD and Pathway Dual Credits.

METHODS OF INSTRUCTIONAL DELIVERY:

This course will be delivered using a variety of delivery methods. Lecture, class discussion, lab work, and individual and group exercises and activities will be used to deliver the class material.

EVALUATION METHODS:

- Classroom work
- Lab work
- Dual credit course projects and exams
- Certification projects and exams
- Participation and attendance

GRADING SCALE:

A+	99-100%	C+	78-79%
A	92-98%	C	72-77%
A-	90-91%	C-	70-71%
B+	88-89%	D+	68-69%
B	82-87%	D	62-67%
B-	80-81%	D-	60-61%
		F	59% and below

REQUIRED CONSUMABLE MATERIALS AND EQUIPMENT:

- Student kit

CLASS POLICIES:

1. Attend each day.
2. Communicate with your teacher when needed.
3. Put forth a good effort each day.
4. Stay on task.
5. Work well in assigned teams.
6. Do the work assigned in a timely manner.