

CARPENTRY (RESIDENTIAL), CERTIFICATE OF PROFICIENCY (CPTP)

Effective: Fall 2023

This certificate is designed to prepare the student for entry-level positions in the occupational specialty of residential carpentry. Students are offered learning experiences in the basics of blueprint reading, design concepts as well as the building, installing and repairing residential structures.

Program Outcomes

Upon successful completion of this program, students should be able to:

- Demonstrate knowledge of the different structural components of residential buildings.
- Demonstrate basic competencies in preparing and presenting construction drawings and designs.
- Read and interpret blueprints, building plans and specifications.
- Demonstrate skills constructing structures and their components parts.
- Demonstrate technical skills required to install and finish interiors or exteriors.
- Demonstrate understanding and competencies of energy efficient construction.
- Apply the knowledge of mathematics to carpentry tasks.
- Demonstrate knowledge of safety practices.

Full-Time Academic Plan

The College will award a certificate of proficiency to students who complete 30 credits of an approved career program. These credits will not normally include physical education, developmental, basic and/or continuing education courses and will usually consist of 24 credits in the career specialty and six credits in general education. At least 50 percent of the credits must be earned at Delaware County Community College. The student must have a cumulative GPA of 2.0 or higher. At least six credit hours must be in courses that are awarded grade points.

The full-time schedule below is an example and may vary from student to student. Students with advising questions should speak to the Director of Technical Education at 610-325-2819.

First Semester		Hours
TME 115	Basic Technical Skills	3
TCS 105	Workplace Safety	2
CPT 102	Carpentry Fundamentals	3
CPT 105	Framing and Roofing	3
TCS 100	Construction Blueprint Reading	3
Hours		14
Second Semester		
CPT 110	Exterior Finishing	3
CPT 115	Interior Finishing	3
CPT 120	Energy Efficiency	2
OCS 102	Building Construction Code	3
TCC 112	CADD Graphics	3
Select one of the following:		2

CPT 151	Furniture Building	
CPT 152	Home Remodeling/Additions	
CPT 194	Carpentry Internship (2 credits)	
HVA 100	Introduction to Heating, Ventilating, Air Conditioning and Refrigeration Electrical Fabrication	
WLD 100	Introduction to Welding	
Hours		16
Total Hours		30

Part-Time Academic Plan

Part-Time Evening Schedule

The CPT specific courses in the Carpentry program rotate through a three-semester cycle. Students who do not begin when CPT 102 is being offered should start with one or two classes from the list of "any semester" courses until the rotation begins again.

Students with advising questions should speak to the Director of Technical Education, Amy Antrim at 610-325-2819.

Code	Title	Hours
First Semester		
CPT 102	Carpentry Fundamentals	3
Any Semester Course *		3
Any Semester Course *		2
Second Semester		
CPT 105	Framing and Roofing	3
CPT 110	Exterior Finishing	3
Third Semester		
CPT 115	Interior Finishing	3
CPT 120	Energy Efficiency	2
Any Semester Course *		3
Fourth Semester		
Carpentry Elective		2
Any Semester Course *		3
Any Semester Course *		3
Total Hours		30

Any Semester Course

Code	Title	Hours
OCS 102	Building Construction Code	3
TCC 112	CADD Graphics	3
TCS 100	Construction Blueprint Reading	3
TCS 105	Workplace Safety	2
TME 115	Basic Technical Skills	3
Carpentry Elective (Select one):		2
CPT 151	Furniture Building	
CPT 152	Home Remodeling/Additions	
CPT 194	Carpentry Internship (2 credits)	
HVA 100	Introduction to Heating, Ventilating, Air Conditioning and Refrigeration Electrical Fabrication	
WLD 100	Introduction to Welding	

* **Any Semester Course** may be taken in any order.

Career