

CARPENTRY (RESIDENTIAL), CERTIFICATE OF PROFICIENCY (CPTP)

Effective: Fall 2023

This certificate program is designed to prepare students for entry-level positions in the occupational specialty of residential carpentry. It offers hands-on training that is designed to prepare individuals to become carpenters who can work in new home construction as well as perform maintenance and repairs to existing homes. Students are offered learning experiences in the basics of blueprint reading, framing, roofing, interior finishing, flooring, and other related carpentry skills.

Program Outcomes

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

- Identify the different structural components of residential buildings.
- Construct and assemble structures using appropriate tools and materials.
- Interpret and apply blueprints, building plans, regulatory codes and specifications.
- Select and utilize proper use of hand and power tools.
- Apply quantitative reasoning to carpentry tasks.
- Apply safe carpentry 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 15 of the credits must be earned at Delaware County Community College. The student must have a cumulative GPA of 2.0 or higher.

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
TCS 105	Workplace Safety	2
CPT 102	Carpentry Fundamentals	3
TCS 100	Construction Blueprint Reading	3
CPT 104	Basic Framing	3
CPT 106	Advanced Framing	3
Hours		14
Second Semester		Hours
CPT 110	Roofing and Exterior Finishing	3
OCS 102	Building Construction Code	3
CPT 114	Drywall/Trim and Interior Finishing	3
CPT 116	Flooring Systems	3
Select Program Electives (min. 4 cr)		4-6
Hours		16-18
Total Hours		30-32

Notes:

Code	Title	Hours
Program Electives		
CPT 151	Furniture Building	2
CPT 152	Home Remodeling/Additions	2
CPT 194	Carpentry Internship (2 credits)	2
ELT 110	Introduction to Electricity	4
HVA 100	Introduction to Heating, Ventilating, Air Conditioning and Refrigeration Electrical Fabrication	2
HVA 106	Basic Piping for Contractors	2
PLB 110	Introduction to Plumbing	3
PLB 111	Faucets & Fixture Systems	3
TCC 112	CADD Graphics	3
TCC 122	2-D CADD	3
TCS 108	Construction Supervision	3
TCS 109	Construction Project Administration	3
TCS 131	Estimating I	3
WLD 100	Introduction to Welding	2

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
TCS 100	Construction Blueprint Reading	3
TCS 105	Workplace Safety	2
Second Semester		
CPT 104	Basic Framing	3
CPT 110	Roofing and Exterior Finishing	3
Third Semester		
CPT 106	Advanced Framing	3
CPT 114	Drywall/Trim and Interior Finishing	3
Fourth Semester		
CPT 116	Flooring Systems	3
OCS 102	Building Construction Code	3
Select Program Electives Elective		4-6
Total Hours		30-32

Notes:

Code	Title	Hours
Program Electives		
CPT 151	Furniture Building	2
CPT 152	Home Remodeling/Additions	2
CPT 194	Carpentry Internship (2 credits)	2

ELT 110	Introduction to Electricity	4
HVA 100	Introduction to Heating, Ventilating, Air Conditioning and Refrigeration Electrical Fabrication	2
HVA 106	Basic Piping for Contractors	2
PLB 110	Introduction to Plumbing	3
PLB 111	Faucets & Fixture Systems	3
TCC 112	CADD Graphics	3
TCC 122	2-D CADD	3
TCS 108	Construction Supervision	3
TCS 109	Construction Project Administration	3
TCS 131	Estimating I	3
WLD 100	Introduction to Welding	2

Career