

CARPENTRY CERTIFICATE - BCT8

This program is a basic introduction to the construction field. This certificate includes six Building Construction Technology core classes with one elective. It is designed for individuals who only want the basics of carpentry so they can join the exciting world of construction after only two semesters.

Requirements

Courses	Course Title	Credit Hours
Required Course Information		
BCT 101	Introduction to Building Construction	5
BCT 102	Fundamentals of Building Construction	4
BCT 105	Tool Usage and Safety	2
BCT 113	Fundamentals of Construction Prints	4
BCT 131	Estimating/Quantity Take Off	2
BCT 139	Advanced Residential Wiring	3
Subtotal		20
Total Hours		20

Graduation Plan

Fall Start

Course	Title	Hours
First Year		
Fall Semester		
BCT 101	Introduction to Building Construction	5
BCT 105	Tool Usage and Safety	2
BCT 113	Fundamentals of Construction Prints	4
Hours		11
Spring Semester		
BCT 102	Fundamentals of Building Construction	4
BCT 131	Estimating/Quantity Take Off	2
BCT 139	Advanced Residential Wiring	3
Hours		9
Total Hours		20

Application and Advising

If you are ready to start your education, there are a few simple steps involved in enrolling at Piedmont Technical College.

Get Started Today (<https://www.ptc.edu/admissions/new-students/>)

Advising Information

The following information provides a guide for advisors who are helping students enroll in this program.

Program Notes

BCT coursework starts fall semester only. BCT courses are generally offered only during the day at the Greenwood Campus, and should be taken as outlined in the Semester-by-semester graduation plan below.

General education requirements may be met at county campuses, in evening classes and online.

The carpentry certificate includes the first two semesters of BCT classes from the degree program, (BCT 101, 113, 142, 102, 131, 212).

All students should come in under the degree program (BCT-3), and they can stop once they earn the certificate. However, students are more likely to find employment, and start working at higher wages, by earning the degree.

Students with proven experience in the field may be eligible to exempt certain courses. The department head administers exemption tests.

Estimated cost of hand tools is \$200 per semester. Students will be given a list of required tools each semester.

Program Student Learning Outcomes

Purpose Statement

The purpose of the Carpentry Certificate program is to promote the trade of carpentry through technical instruction and practical "hands-on" experience for the necessary skill development for employment in the field of construction after only two semesters.

Student Learning Outcomes

1. Perform the basic manipulative skills involved in carpentry for residential construction.
2. Perform the basic manipulative skills in masonry for residential construction.
3. Perform the basic manipulative skills in residential wiring for residential construction.
4. Make application and use the underlying theories, technical information and related occupational information to assure sound judgments, decisions, and proper procedures involved in the residential building construction trades of construction trades of carpentry, masonry, and electrical.
5. Demonstrate the ability to interpret blueprints and technical materials necessary to construct a residential building.
6. Perform in an acceptable workmanship-like manner in the residential construction trade based recognized building codes (both local and international residential builders' code).
7. Estimate and schedule the materials and labor in the building of a residential structure through the framing stages and finish stages.
8. Demonstrate the ability to perform the majority of tasks assigned in a safe and common sense manner in accordance with established safety standards in the construction industry. (OSHA standards for the construction industry).
9. Demonstrate the ability to identify entry level procedures and planning processes needed to open and operate a small business in the free enterprise system.