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Program Overview

Piedmont Technical College's Building Construction Technology program program offers a comprehensive construction education and is designed for those who have little or no practical experience in building construction trades. Students learn the entire range of residential and light commercial building techniques through hands-on projects both on campus and outside the college community. You'll get practical training in estimating building costs, carpentry, cabinet making, residential wiring, blueprint reading, brick masonry, construction, building codes and safety.

PROGRAM REQUIREMENTS

A.A.S., Major in Building Construction Technology

Concerns about building costs, home maintenance and repair and energy efficient dwellings have elevated job market demands for skilled construction workers in practically every area of the building industry. A comprehensive program that offers practical training in the entire range of residential and light commercial building techniques, Building Construction Technology puts classroom knowledge to work in hands-on projects both on the Lex Walters Campus-Greenwood and outside the college community. Students get practical training in estimating building costs, carpentry, cabinet making, residential wiring, blueprint reading, brick masonry, construction, building codes and safety. A good background in economics and communications combines with a high level of skills in building techniques to prepare graduates for general construction, specialty work or supervision of construction projects. Upon completion of 73 credit hours, a student will be awarded an Associate in Applied Science degree with a major in Building Construction Technology.

GENERAL EDUCATION COURSES

COURSES		CREDIT HOURS
ENG 165	Professional Communications	3.0
MAT 170	Algebra, Geometry and Trigonometry I	3.0
SPC 205	Public Speaking	3.0
	Elective Social/Behavioral Sciences	3.0
	Elective Humanities/Fine Arts	3.0

SUBTOTAL: 15.0

REQUIRED CORE SUBJECT AREAS

COURSES		CREDIT HOURS
BCT 101	Introduction to Building Construction	5.0
BCT 102	Fundamentals of Building Construction	4.0
BCT 113	Fundamentals of Construction Prints	4.0
BCT 131	Estimating Quantity Take-Off	2.0
BCT 212	Construction Methods and Design	3.0
BCT 221	Construction Building Code	3.0

SUBTOTAL: 21.0

OTHER COURSES REQUIRED FOR GRADUATION

COURSES		CREDIT HOURS
BCT 103	Construction Site Layout	4.0
BCT 105	Tool Usage and Safety	2.0
BCT 139	Advanced Residential Wiring	3.0
BCT 151	Introduction to Residential Plumbing	3.0
BCT 202	Principles of Form Construction	4.0
BCT 204	Cabinet Making	4.0
BCT 208	Framing and Roofing	3.0
BCT 209	Construction Project Management	3.0
BCT 222	License Preparation	3.0
BCT 231	Construction Labor and Expediting	3.0
MSY 101	Masonry Fundamentals I	5.0

SUBTOTAL: 37.0
TOTAL CREDIT HOURS: 73.0

Carpentry Certificate

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.

REQUIRED COURSE INFORMATION

COURSES	CREDIT HOURS
BCT 101 Introduction to Building Construction	5.0
BCT 102 Fundamentals of Building Construction	4.0
BCT 105 Tool Usage and Safety	2.0
BCT 113 Fundamentals of Construction Prints	4.0
BCT 131 Estimating Quantity Take-Off	2.0
BCT 139 Advanced Residential Wiring	3.0

SUBTOTAL: 20.0
TOTAL CREDIT HOURS: 20.0

Masonry Certificate

The Masonry certificate prepares students for a specialty area in Building Construction Technology. Students who complete the certificate are eligible to continue into the Building Construction Technology program.

REQUIRED COURSE INFORMATION

COURSES	CREDIT HOURS
BCT 105 Tool Usage and Safety	2.0
BCT 113 Fundamentals of Construction Prints	4.0
MSY 101 Masonry Fundamentals I	5.0

SUBTOTAL: 11.0
TOTAL CREDIT HOURS: 11.0

>>> Visit www.ptc.edu/bct to learn more.

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