

Contact Us:

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Program Overview

Piedmont Technical College's Building Construction Technology 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.

Day Program

FIRST SEMESTER CREDIT HOURS

| | | |
|---------|---|-----|
| BCT 101 | Introduction to Building Construction | 5.0 |
| BCT 105 | Tool Usage and Safety | 2.0 |
| BCT 113 | Fundamentals of Construction Prints | 4.0 |
| MAT 170 | Algebra, Geometry and Trigonometry I..... | 3.0 |

SECOND SEMESTER

| | | |
|---------|---|-----|
| BCT 102 | Fundamentals of Building Construction | 4.0 |
| BCT 139 | Advanced Residential Wiring | 3.0 |
| BCT 131 | Estimating Quantity Take-Off | 2.0 |
| ENG 165 | Professional Communications..... | 3.0 |

SUMMER TERM

| | | |
|---------|--------------------------------------|-----|
| BCT 208 | Framing and Roofing..... | 3.0 |
| BCT 103 | Construction Site Layout..... | 4.0 |
| BCT 204 | Cabinet Making | 4.0 |
| BCT 212 | Construction Methods and Design..... | 3.0 |

THIRD SEMESTER

| | | |
|---------|--|-----|
| BCT 202 | Principles of Form Construction | 4.0 |
| MSY 101 | Masonry Fundamentals I..... | 5.0 |
| BCT 221 | Construction Building Code | 3.0 |
| BCT 231 | Construction Labor and Expediting..... | 3.0 |
| SPC 205 | Public Speaking | 3.0 |

FOURTH SEMESTER

| | | |
|---------|---|-----|
| BCT 151 | Introduction to Residential Plumbing..... | 3.0 |
| BCT 209 | Construction Project Management..... | 3.0 |
| BCT 222 | License Preparation..... | 3.0 |
| | Elective Social/Behavioral Sciences | 3.0 |
| | Elective Humanities/Fine Arts | 3.0 |

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.

Day Program

| FIRST SEMESTER | CREDIT HOURS |
|-----------------------|---------------------|
|-----------------------|---------------------|

| | |
|---|-----|
| BCT 101 Introduction to Building Construction | 5.0 |
|---|-----|

| | |
|-------------------------------------|-----|
| BCT 105 Tool Usage and Safety | 2.0 |
|-------------------------------------|-----|

| | |
|---|-----|
| BCT 113 Fundamentals of Construction Prints | 4.0 |
|---|-----|

SECOND SEMESTER

| | |
|---|-----|
| BCT 102 Fundamentals of Building Construction | 4.0 |
|---|-----|

| | |
|---|-----|
| BCT 131 Estimating Quantity Take-Off..... | 2.0 |
|---|-----|

| | |
|---|-----|
| BCT 139 Advanced Residential Wiring | 3.0 |
|---|-----|

TOTAL CREDIT HOURS: 20.0

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