

BCT - BUILDING CONSTRUCTION TECH (BCT)

BCT 101 Introduction to Building Construction 5 SHC

This course is an introduction to residential and light commercial construction, construction terms, tools of the trade and their safe use.

Concurrent Prerequisite: BCT 105.

Lecture Hours: 3

Lab/Clinical Hours: 6

BCT 102 Fundamentals of Building Construction 4 SHC

This course is a study of framing for residential and light commercial buildings.

Prerequisites: BCT 101 and 105.

Lecture Hours: 2

Lab/Clinical Hours: 6

BCT 103 Construction Site Layout 4 SHC

This course covers location and layout of building corners, elevation, and the use of appropriate tools.

Prerequisites: BCT 105.

Lecture Hours: 2

Lab/Clinical Hours: 6

BCT 105 Tool Usage and Safety 2 SHC

This course covers tool skills and their safe use in construction.

Lecture Hours: 1

Lab/Clinical Hours: 3

BCT 113 Fundamentals of Construction Prints 4 SHC

This course includes reading prints for residential and light commercial building construction.

Concurrent Prerequisite: BCT 105.

Lecture Hours: 2

Lab/Clinical Hours: 6

BCT 131 Estimating/Quantity Take Off 2 SHC

This course covers construction estimation and quantity take off for construction trades based on local and national building codes.

Prerequisites: BCT 105.

Lecture Hours: 1

Lab/Clinical Hours: 3

BCT 139 Advanced Residential Wiring 3 SHC

This course is a study and application of residential wiring including wire size, circuits, components, and testing.

Prerequisites: BCT 105.

Lecture Hours: 1

Lab/Clinical Hours: 6

BCT 151 Introduction to Residential Plumbing 3 SHC

This course covers plumbing theory as it relates to residential construction.

Prerequisites: BCT 105.

Lecture Hours: 1

Lab/Clinical Hours: 6

BCT 202 Principles of Form Construction 4 SHC

This course is the study and design of form construction as applied to residential and light commercial construction.

Prerequisites: BCT 105.

Lecture Hours: 2

Lab/Clinical Hours: 6

BCT 204 Cabinet Making 4 SHC

This course is a study of design and construction of cabinets, custom case work, and countertops.

Prerequisites: BCT 105.

Lecture Hours: 2

Lab/Clinical Hours: 6

BCT 208 Framing and Roofing 3 SHC

This course is a study of framing and roof construction principles.

Students are provided hands-on experience in constructing framing and roof structures.

Prerequisites: BCT 105.

Lecture Hours: 1

Lab/Clinical Hours: 6

BCT 209 Construction Project Management 3 SHC

This is a course designed with projects using building construction skills.

Prerequisites: BCT 105 and 231.

Lecture Hours: 2

Lab/Clinical Hours: 3

BCT 212 Construction Methods and Design 3 SHC

This course covers residential construction methods and designs.

Prerequisites: BCT 105.

Lecture Hours: 2

Lab/Clinical Hours: 3

BCT 221 Construction Building Code 3 SHC

This course is a study of local, state, and national building code requirements as they apply to residential and commercial construction.

Prerequisites: BCT 105.

Lecture Hours: 3

Lab/Clinical Hours: 0

BCT 222 License Preparation 3 SHC

This course is designed for preparation for contractor exam and licensing.

Prerequisites: BCT 105.

Lecture Hours: 3

Lab/Clinical Hours: 0

BCT 231 Construction Labor and Expediting 3 SHC

This course is a study of the process of controlling material and labor on a job site.

Prerequisites: BCT 105 and 131.

Lecture Hours: 3

Lab/Clinical Hours: 0