

BUILDING CONSTRUCTION TECH (BCT)

BCT 100 Building Trades I 8 Credits (8)

Equipment and general safety. Human relations, building construction surveying, footings, foundation form work, framing, sheathing, insulation. Basic electrical wiring and plumbing. Classroom instruction, on-the-job training, and problem solving. (2+12P)

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BCT 101 Introduction to Construction I 2 Credits (2)

Basic safety, including personal protective equipment, how to perform basic construction tasks safely, and what to do if an accident occurs.

Includes basic construction methods.

Corequisite(s): BCT 102;BCT 103

Repeatable: up to 2 credits

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BCT 102 Introduction to Construction II 2 Credits (2)

Introduction to power and hand tools, blueprints, and basic rigging hardware and techniques.

Corequisite(s): BCT 101;BCT 103

Repeatable: up to 2 credits

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BCT 103 Introduction to Construction Laboratory 3 Credits (3)

Provides students the opportunity to practice skills they have acquired in BCT 101 and BCT 102. It includes task-oriented projects in which students can apply many of the skills and knowledge that have been presented throughout the National Center for Construction and Education Research (NCCER) Carpentry Program.

Corequisite(s): BCT 101; BCT 102

Repeatable: up to 3 credits

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BCT 104 Woodworking Skills I 3 Credits (3)

Use and care of hand tools and elementary power tools, safety procedures, and supervised project construction. (1+4P)

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BCT 105 Woodworking Skills II 3 Credits (3)

Advanced woodworking skills to include use of advanced power tools, power tool safety, and supervised construction. (1+4P)

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BCT 110 Blueprint Reading for Building Trades 4 Credits (4)

Same as DRFT 151. (2+4P)

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BCT 118 Math for Building Trades 3 Credits (3)

Geometry, algebra, arithmetic, and basic trigonometry pertaining to mathematical applications in the building trades field.

Prerequisite(s): CCDM 103 N

Crosslist: OEET 118, DRFT 118

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BCT 200 Building Trades II 8 Credits (8)

Continuation of BCT 100: roofing; exterior and interior finish; masonry; door, window, and cabinet installation. (2+12P)

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BCT 221 CO-OP I 3 Credits (3)

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BCT 255 Special Topics 6 Credits (6)

Topics to be announced in the Schedule of Classes.

Repeatable: up to 12 credits

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BCT 290 Special Problems in Building Technology 1-4 Credits

Individual studies in areas directly related to building technologies.

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