BUILDING CONSTRUCTION TECHNOLOGY (BLDC)

BLDC 1005 Safety
1.0 credit hours
15.0 Classroom Hours = 15.0 Lecture Hours
Specific safety practices that apply to the building construction trade.

BLDC 1120 Exterior Finish
5.0 credit hours
165.0 Classroom Hours = 30.0 Lecture Hours + 135.0 Lab Hours
Exterior project finish including window and door installation, soffit and fascia, sheathing, insulation, ventilation, siding and roofing.

BLDC 1145 Blueprint Reading
3.0 credit hours
180.0 Classroom Hours = 180.0 Lab Hours
Blueprint reading in the construction field, including lines, symbols, abbreviations, schedules and building specifications for the purpose of building layout and estimating.

BLDC 1165 Intro to Computer Aided Design
3.0 credit hours
75.0 Classroom Hours = 30.0 Lecture Hours + 45.0 Lab Hours
Drawing and designing a floor plan with emphasis on measurement, room size, utility, placement, door and window arrangement, and building.

BLDC 1170 Framing Construction
8.5 credit hours
323.0 Classroom Hours = 30.0 Lecture Hours + 293.0 Lab Hours
Introduction to basic residential framing, including costs, scheduling, energy efficiency and code compliance. Prerequisite: BLDC 1005.

BLDC 1210 Interior Finish
5.0 credit hours
165.0 Classroom Hours = 30.0 Lecture Hours + 135.0 Lab Hours
Insulation, drywall installation, taping, finishing, and texture are covered as well as priming, painting and caulking. Fee $10.

BLDC 1220 Interior Trim
5.0 credit hours
165.0 Classroom Hours = 30.0 Lecture Hours + 135.0 Lab Hours
Students will learn about estimating production costs, finish and installation of interior jambs, trim doors, built-ins and cabinetry, plastic/solid surface laminates, floor and wall covering and labor costs associated with interior applications.

BLDC 1225 Bldg City Codes & State Standards
1.0 credit hours
15.0 Classroom Hours = 15.0 Lecture Hours
A study of the uniform building code.

BLDC 1300 Energy Efficiency in Residential
1.0 credit hours
15.0 Classroom Hours = 15.0 Lecture Hours
In depth look at energy efficient building techniques and practices in residential construction. Focus on high performance housing.

BLDC 1720 Cabinetmaking
2.0 credit hours
45.0 Classroom Hours = 22.0 Lecture Hours + 23.0 Lab Hours
Cabinet construction, materials, techniques and use of power tools. Fee $30.

BLDC 2150 Flooring
3.0 credit hours
105.0 Classroom Hours = 15.0 Lecture Hours + 90.0 Lab Hours
Students will learn to describe the differences between strip, engineered, plank, and block flooring. Layout and install strip flooring on plywood subfloors. Describe the procedure for installing laminate flooring. Describe and demonstrate the procedure for applying hardwood, particle board, and plywood underlayment. Also, outline the basic steps for installing resilient flooring. Prerequisite: BLDC 1005.

BLDC 2160 Tile
4.0 credit hours
180.0 Classroom Hours = 180.0 Lab Hours
In this class students will learn to describe the differences between ceramic, stone floor, & wall tile. Layout & install ceramic floor and wall tile. Describe and demonstrate the procedure for installing cement board on floors & walls Prerequisite: BLDC 1005.

BLDC 2225 Cabinetry
3.0 credit hours
135.0 Classroom Hours = 135.0 Lab Hours
Installation and finishing construction of built-ins and special cabinetry. Prerequisite: BLDC 1005.

BLDC 2250 Construction Applications
6.0 credit hours
210.0 Classroom Hours = 30.0 Lecture Hours + 180.0 Lab Hours
Study & Application of all material types involved in construction. Safe use of scaffolding, ladders, and rigging. Concrete applications such as footings, foundations, and building layout. Site survey, elevation, and grading. Stairways, stairwells, specialty framing, and advanced framing. Decks, porches, and additions. Remodeling and renovating vs. new construction. Masonry such as chimneys, fireplaces, and glass enclosures. Basic plumbing. Employment opportunities; working conditions, related occupations. Prerequisite: BLDC 1005

BLDC 2720 Cabinetmaking, Advanced
2.0 credit hours
45.0 Classroom Hours = 22.0 Lecture Hours + 23.0 Lab Hours
Constructing custom cabinets, casework, furniture and special projects. Prerequisite: BLDC 1720. Fee $30.

BLDC 2990 Special Topics
3.0 credit hours
45.0 Classroom Hours = 45.0 Lecture Hours
Special topic course description upon request.