

## BUILDING CONSTRUCTION TECHNOLOGY

*Applied Technologies Division*

### BUILDING CONSTRUCTION TECHNOLOGY (BLDC)

The **Building Construction Technology Program** is an open-entry, open-exit program that provides skills and training necessary for employment in the areas of residential and light commercial construction. Students may earn an Associate of Applied Science Degree, Diploma-44 Credit Hours, Diploma-32 Credit Hours, or certificates (Concrete and Masonry, Framing and Exterior Construction, Interior Finish, and Building Construction).

#### Program Objectives

- Demonstrate knowledge of safety hazards involved with the building construction industry.
- Possess knowledge to perform tasks of entry level building construction employment.
- Demonstrate an understanding of personal and work characteristics that contribute to an effective job performance.
- Use effective communication skills appropriate to the building construction industry.
- Apply building theory to the construction of single and multiple family dwellings.
- Use mathematical data and reasoning skills appropriate to the construction field.
- Possess a basic understanding of the Uniform Building Code and have the ability to use code resources.

#### Employment Opportunities

Graduates may consider employment as carpenters, building inspectors, construction materials salespersons, framers, roofers or cabinetmakers. Self-employment/business ownership is also a possibility.

#### Recommended Electives

Electives in HVAC, Business, Welding, Electrical Technology, Drafting, and Computers would be beneficial to the students.

***BLDC 1005 Safety is a prerequisite for all Building Construction classes, except night classes.***

### ASSOCIATE OF APPLIED SCIENCE DEGREE BUILDING CONSTRUCTION TECHNOLOGY Suggested Sequence of Study

<b>First Semester (Fall)</b>		<b>Credit Hours</b>
BLDC 1005	Safety	1
BLDC 1110	Framing Construction I	5
BLDC 1120	Exterior Finish I	5
BLDC 1130	Construction Drafting	2
BLDC 1150	Construction Materials & Practices	2
MATH 1001	General Math B	3
<b>Total</b>		<b>18</b>

<b>Second Semester (Spring)</b>		<b>Credit Hours</b>
BLDC 1210	Interior Walls & Cabinetry	4
BLDC 1220	Interior Trim	5
BLDC 1230	Codes & Standards	2
BLDC 1530	Supporting Trades	2
BLDC 1550	Construction Welding	2
General Education Course		3
<b>Total</b>		<b>18</b>

<b>Summer Semester</b>		<b>Credit Hours</b>
BLDC 2500	Cooperative Internship	8
<b>Total</b>		<b>8</b>

<b>Third Semester (Fall)</b>		<b>Credit Hours</b>
BLDC 1760	Concrete and Forming	2
BLDC 2110	Framing Construction II	5
BLDC 2120	Exterior Finish II	5
BLDC 2170	Plumbing	1
ELTR 1005	Electrical Safety	1
General Education Course		3
<b>Total</b>		<b>17</b>

<b>Fourth Semester (Spring)</b>		<b>Credit Hours</b>
BLDC 1140	Blueprint Reading	2
BLDC 1215	Interior Finish	4
BLDC 1260	Spreadsheet/Estimating	2
BLDC 1770	Brick and Block Masonary	2
BLDC 2220	Cabinet/Millwork	4
General Education Course		3
<b>Total</b>		<b>17</b>

<b>Building Construction Program Credit Hours</b>	<b>69</b>
<b>General Education Requirements</b>	<b>9</b>
<b>A.A.S. Degree Total</b>	<b>78</b>

**BUILDING CONSTRUCTION TECHNOLOGY CONT'D**

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**BUILDING CONSTRUCTION TECHNOLOGY  
DIPLOMA - 44 CREDIT HOURS**

The Diploma option is for students who want only "hands-on" training in the Building Construction field. Students must complete the 44 credit hours of the Building Construction Technology Program courses listed above for the fall, spring, and summer terms.

**BUILDING CONSTRUCTION TECHNOLOGY  
DIPLOMA - 32 CREDIT HOURS**

The Diploma option is awarded to students who want only two semesters of the Building Construction Technology Program. Students must complete the 32 semester credit hours of the Building Construction courses listed above for the fall and spring semester.

**BUILDING CONSTRUCTION TECHNOLOGY  
CONCRETE & MASONRY CERTIFICATE**

		Credit Hours
BLDC 1005	Safety	1
BLDC 1140	Construction Blueprint Reading	2
BLDC 1510	Concrete, Masonry & Commercial Construction	6
BLDC 1530	Supporting Trades	2
BLDC 1550	Construction Welding	2
		Total 13

**BUILDING CONSTRUCTION TECHNOLOGY  
FRAMING & EXTERIOR CONSTRUCTION  
CERTIFICATE**

		Credit Hours
BLDC 1005	Safety	1
BLDC 1110	Framing Construction	5
BLDC 1120	Exterior Finish	5
BLDC 1150	Construction Materials/Practices	2
		Total 13

**BUILDING CONSTRUCTION TECHNOLOGY  
INTERIOR FINISH CERTIFICATE**

		Credit Hours
BLDC 1005	Safety	1
BLDC 1130	Construction Drafting & Sketching	2
BLDC 1210	Interior Walls and Cabinetry	5
BLDC 1220	Interior Trim and Finish	5
BLDC 1230	Construction Codes & Standards	2
BLDC 1260	Computer Spreadsheet & Estimating	2
		Total 17

**BUILDING CONSTRUCTION TECHNOLOGY  
CERTIFICATE**

		Credit Hours
BLDC 1005	Safety	1
BLDC 1110	Framing Construction	5
BLDC 1120	Exterior Finish	5
BLDC 1130	Construction Drafting & Sketching	2
BLDC 1210	Interior Walls & Carpentry	5
BLDC 1230	Construction Codes & Standards	2
		Total 20