

Construction Technologies

**Building Construction Technology
Credential: Associate in Applied Science
Degree in Building Construction Technology
A35140**

A program that prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. Includes instruction in construction equipment and safety, site preparation and layout; construction estimating; print reading; building codes; framing, masonry, heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing.

Course requirements for Associate in Applied Science Degree in Building Construction Technology

A. General Education Courses (15 SHC)			
ENG 111	Writing & Inquiry		3-0-3
MAT 121	Algebra/Trigonometry I		2-2-3
	*Communication Requirement		
	Humanities/Fine Arts Elective		3-0-3
	Social/Behavioral Science Elective		3-0-3
B. Technical Core (12 SHC)			
BPR 130	Print Reading Construction		3-0-3
SST 140	Green Building & Design Concepts		3-0-3
CMT 120	Codes & Inspections		3-0-3
CST 241	Planning & Estimating I		2-2-3
C. Program Major (12 SHC)			
CST 111	Construction I		3-3-4
CST 112	Construction II		3-3-4
CST 221	Statics/Structures		3-3-4
D. Other Major Hours (28 SHC)			
CST 113	Construction III		3-3-4
ELC 113	Residential Wiring		2-6-4
PLU 111	Intro to Plumbing		1-3-2
MAS 140	Intro to Masonry		1-2-2
CST 131	OSHA/Safety/Certification		2-2-3
CST 211	Construction Surveying		2-3-3
CST 150	Building Science		2-2-3
WBL 111	Work-based Learning I		0-10-1
ARC 111	Intro to Architecture		1-6-3
SST 120	Energy Use Analysis		2-2-3

Other Required Hours:

ACA	Student Success Course		1
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Total Semester Hours Credit Required: 68

*Communications Elective:

ENG 112	Writing/Research in the Disc		3-0-3
ENG 113	Literature-Based Research		3-0-3

ENG 114	Prof Research & Reporting		3-0-3
ENG 115	Oral Communication		3-0-3
COM 120	Intro Interpersonal Com		3-0-3

**Credential: Building Construction Technology
Diploma
D35140**

A. General Education Hours (6 SHC)			
ENG 111	Writing & Inquiry		3-0-3
MAT 121	Algebra/Trigonometry I		2-2-3
B. Technical Core (12 SHC)			
BPR 130	Print Reading Construction		3-0-3
SST 140	Green Building & Design Concepts		3-0-3
CMT 120	Codes and Inspections		3-0-3
CST 241	Planning and Estimating I		2-2-3
C. Program Major (8 SHC)			
CST 111	Construction I		3-3-4
CST 112	Construction II		3-3-4
D. Other Major Hours (15 SHC)			
CST 113	Construction III		3-3-4
ELC 113	Residential Wiring		2-6-4
PLU 111	Intro to Plumbing		1-3-2
MAS 140	Intro to Masonry		1-2-2
CST 131	OSHA/Safety/Certification		2-2-3

Total Semester Hours Credit Required: 41

**Credential: Building Construction Technology
Certificate
C35140**

**Course requirements for Building Construction
Technology Certificate**

Program Major (8 SHC)			
CST 111	Construction I		3-3-4
CST 112	Construction II		3-3-4
Other Major Hours (7 SHC)			
CST 113	Construction III		3-3-4
CST 131	OSHA/Safety/Certification		2-2-3

Total Semester Hours Required: 15