



# Program Planning Guide

## Building Construction Technology Certificate (D35140)

**Program Length:** 3 semesters

**Program Sites:** Chatham Main Campus

**Career Pathway Options:** Associate in Applied Science Degree in Building Construction; Diploma in Building Construction Technology; Certificate in Building Construction Technology

Suggested Course Schedule		Class	Lab	Work	Credits	Notes:
<b>1st Semester (fall)</b>						
CST 111	Construction I	3	3	0	4	
CST 131	OSHA/Safety Certification	2	2	0	3	
	<b>Total Semester Hours</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>7</b>	
<b>2nd Semester (spring)</b>						
CST 112	Construction II	3	3	0	4	
	<b>Total Semester Hours</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>4</b>	
<b>3rd Semester (summer)</b>						
CST 113	Construction III	3	3	0	4	
	<b>Total Semester Hours</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>4</b>	
<b>Total Semester Credit Hours Required for Graduation: 15</b>						



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## Course Descriptions

### **CST 111 Construction I**

This course covers standard and alternative building methods to include wall framing. Topics include safety and footings, foundations, floor framing systems, and wall framing systems commonly used in the construction industry. Upon completion, students should be able to safely erect all framing necessary to begin roof framing.

### **CST 112 Construction II**

*Prerequisites: CST 111*

This course covers building methods and materials used to dry-in a building. Topics include safety, ceiling/roof framing applications, roof finishes, windows, and exterior doors. Upon completion, students should be able to safely erect different roof types and properly install windows and exterior doors, roofing, and exterior finish materials.

### **CST 113 Construction III**

*Prerequisite: CST 112*

This course covers building methods and materials used to complete the interior of a structure. Topics include safety, installation of thermal and acoustical barriers, and interior finishes including millwork, cabinets, interior doors, flooring, and wall treatments. Upon completion, students should be able to safely and accurately install interior treatments including insulation, paneling, drywall, molding, doors, flooring, and cabinetry.

### **CST 131 OSHA/Safety/Certification**

This course covers the concepts of work site safety. Topics include OSHA regulations, tool safety, and certifications which relate to the construction industry. Upon completion, students should be able to identify and maintain a safe working environment based on OSHA regulations and maintain proper records and certifications.