

# CCC Program Outcomes

## Construction Technology, Columbus

Upon successful completion of the technical education requirements and the suggested program requirements for a Certificate the student shall:

### Program Outcomes

- 1 Develop the knowledge, skills, and safety practices of materials and tools used in the construction trade.
- 2 Develop an understanding of plans, specifications, and codes that are related to the construction industry.
- 3 Recognize and use leveling instruments that are used during the construction process.
- 4 Describe and perform methods of foundation, floor, wall, and roof construction.
- 5 Be able to discuss and perform the installation techniques of exterior materials.
- 6 Recognize, discuss, and perform interior finish applications.
- 7 Appropriately use math, measurement, and communication skills associated with construction

Course #	Course Title	PO - 1	PO - 2	PO - 3	PO - 4	PO - 5	PO - 6	PO - 7
<b>CNST-103</b>	<b>Introduction to Craft Skill</b>							
1	Demonstrate basic safety	X						
2	Demonstrate knowledge of construction math	X						X
3	Demonstrate use of hand tools	X						
4	Demonstrate use of power tools	X						
5	Recognize and interpret constructing drawings		X					
6	Demonstrate basic rigging	X						
7	Demonstrate basic communications skills							X
8	Demonstrate basic employability skills							X
9	Describe materials handling	X						

<b>CNST-118 Safety Orientation (OSHA 10)</b>			
1	Identify areas of the OSHA standards	X	
2	Identify the major causes of crane accidents	X	
3	List main injuries that occur during handling, storage, use, and disposal of materials	X	
4	Describe the requirements placed on employers by the General Duty Clause	X	
5	List the hand and power tool safety rules	X	
6	List and define the basic types of scaffolds	X	
7	Describe the environments in which OSHA's standards for walking-working surfaces do and do not apply	X	
8	Describe the types of injuries that can result from contact with electricity	X	
9	Explain the importance of fall prevention	X	
<b>CNST-112 Carpentry Basics</b>			
1	Review orientation to the trade	X	X
2	Describe and identify building materials, fasteners, and adhesives	X	
3	Identify and explain hand and power tools	X	
4	Describe and identify reading plans and elevations	X	
<b>CNST-116 Blueprints and Building Codes</b>			
1	Recognize and identify commercial drawings	X	
<b>CNST-190 Survey Elevations</b>			
1	Identify tools used and procedures used for proper transit operations		X
2	Demonstrate site layout of foundation	X	X
3	Identify benchmarks and monuments	X	X
4	Demonstrate safety rules of a transit or laser	X	X

<b>CNST-210 Drywall, Insulation &amp; Ventilation</b>							
1	Describe and install thermal and moisture protection	X				X	
2	Perform and explain drywall installation	X				X	
<b>CNST-230 Exterior Construction</b>							
1	Describe and perform roofing applications	X			X		
2	Describe and demonstrate exterior finishing	X			X		
<b>CNST-126 Floors Wall &amp; Ceiling Framing</b>							
1	Explain and identify floor systems	X		X			
2	Identify and describe walls and ceiling framing	X		X			
3	Perform and identify concrete, reinforcing materials and forms	X		X			
<b>CNST-136 Roof Framing</b>							
1	Demonstrate and identify roof framing	X		X			X
<b>CNST-151 Windows, Doors &amp; Stairs</b>							
1	Demonstrate and identify windows and exterior doors	X		X		X	
2	Demonstrate and identify basic stair layout	X	X	X		X	X
<b>CNST-107 Shop Math &amp; Communications I</b>							
1	Understand Work Ethics.						X
2	Understand Customer Relations.						X
3	Understand Employability Skills						X
4	Complete a Personal Portfolio						X
<b>CNST-159 Painting, Finishing, &amp; Interior Design</b>							
1	Identify and recognize drywall finishing	X				X	
2	Identify and perform window, door, floor, and ceiling trim	X				X	X

<b>CNST-180 Interior Construction</b>						
1	Demonstrate and identify cold formed steel framing	X	X		X	X
2	Demonstrate and identify doors and door hardware	X	X			X
3	Demonstrate and explain suspended ceilings	X	X	X		X X
<b>CNST-221 Cabinet Installation &amp; Fabrication</b>						
1	Demonstrate and explain cabinet installation	X	X	X		X X
2	Demonstrate and identify cabinet fabrication	X	X			X X