

# 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-100</b>	<b>Introduction to Construction</b>							
	Describe the role that safety plays in the construction industry	X						
	Identify, inspect, and use personal protection equipment (PPE)	X						
	Identify the opportunities and progression process of the construction industry	X						
	Explain and identify term and fasteners used in construction	X						
<b>CNST-105</b>	<b>Hand and Power Tools</b>							
	Identify and explain proper use of hand tools	X						
	Demonstrate the proper use of basic hand tools used in construction	X						

	Identify and explain the proper use of power tools	X		
	Demonstrate the proper use of power tools used in construction	X		
<b>CNST-110</b>	<b>Blueprints and Building Codes</b>			
	Identify and understand blueprint symbols and components		X	
	Recognize and interpret the different classification of drawings		X	
<b>CNST-125</b>	<b>Wall Construction</b>			
	Identify the components of a wall section		X	X
	Construct a wall section with studs, cripples, headers, trimmers, partitions, and corners		X	X
<b>CNST-107</b>	<b>Shop Math and Communications I</b>			
	Understand Linear Measurement			X
	Compute Fractions, Decimals and Percents.			X
	Understand Checking Accounts, ATMS, and Statement Reconciliation			X
	Understand Gross Earnings and Payroll			X
	Understand the handling of monies personally and professionally			X
<b>CNST-134</b>	<b>Roof Construction</b>			
	Identify all the parts in a roof section			X
	Apply the techniques to layout, calculate, and erect a roof section with sheathing			X

<b>CNST-143</b>	<b>Painting, Finishing, and Interior Design</b>				
	Properly apply interior finishes				X
	Identify the clean up process for different types of finishes				X
	Use proper PPE while applying finishes				X
<b>CNST-150</b>	<b>Floor Construction</b>				
	Identify components of a floor system and calculate materials used			X	
	Layout and construct a floor system			X	
<b>CNST-153</b>	<b>Residential Concrete Construction</b>				
	Recognize and explain the different types of footings	X		X	
	Layout and pour edge slabs	X		X	
<b>CNST-200</b>	<b>Drywall, Insulation and Ventilation</b>				
	Identify materials tools, and procedures used to install and finish drywall				X
	Calculate the material to drywall a house				X
	Discuss requirements for insulation and know and define the terms related to the insulation process				X
	Describe various methods of ventilation				X
<b>CNST-230</b>	<b>Exterior Construction</b>				
	Identify different kinds of doors and windows				X
	Hang, set and use appropriate latches on doors and windows				X
	Identify the different kinds of exterior finishes and calculate the amount of material needed to complete a job				X
	Install siding and soffit using the proper				X
<b>CNST-240</b>	<b>Cabinet Making and Installation</b>				
	State classes, sizes, and types of woods used to make cabinets				X

Know hardware and components of a cabinet	X
Describe how to install cabinets and countertops	X
Build and laminate a countertop	X
Measure, figure materials, layout, cut and build a cabinet	X

**CNST-250 Interior Construction**

Know the standard types of interior doors, hardware, and moldings	X
Describe the procedures for installing doors and hardware	X
Estimate and order molding and doors	X
Demonstrate the different types of cuts used to trim out a room	X

**CNST-217 Shop Math and Communications II**

Understand Work Ethics	X
Understand Customer Relations	X
Understand Employability Skills	X
Complete a Personal Portfolio	X