

ODE-Sinclair Credit Crosswalk: Construction Technologies

Structural Systems (DD), Mechanical, Electrical and Plumbing (DE), and Construction Design and Management (DF)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		CAT 1810: Construction Techniques I	3	To earn this AA credit, students must provide proof of either NCCER Core or Career Connections Level I and II.
N/A		CAT 1820: Construction Techniques II	3	To earn this AA credit, students must provide proof of either NCCER Carpentry Level I or Career Connections Level III.
N/A		CAT 1830: Construction Techniques III	3	To earn this AA credit, students must provide proof of either NCCER Level 2 or Career Connections Level III.
N/A		EET 1181: Electrical Construction I	5	Proof of NCCER Electrical Level 1 OR IBEW, JATC NECA certificate IEC based, IEC certificate. New FPS for AY 24-25 - Patrick Piper, patrick.piper@sinclair.edu
Heating and Cooling Systems	178012	HVA 1241: HVAC Installation Techniques & Practices	3	NEW! Credit option for AY 24-25, FPS - De Dawson, delacy.dawson@sinclair.edu
Sheet Metal	178014			

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Plan Reading and Estimating	178019	CTCON001 - Plan Reading	CAT 1141: Reading Architectural Drawings	2	
Carpentry & Masonry Technical Skills	178001	CTCON003 - Construction Methods and Materials	CAT 1201: Construction Methods & Materials	3	
Current and valid OSHA 10-hour safety card		CTS001 - Safety	CAT 1431: OSHA Construction Standards 10 Hour	1	
Construction Safety & Crew Leadership AND	178018	CTCON002 - Construction Safety	CAT 2431: OSHA Construction Standards	2	Credit Recognition Guide
Obtain a valid OSHA 30 hour card in general					

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		CAT 1121: Architectural Graphics II	3	NEW! Credit option for AY 24-25, FPS – Alexandra Bohler, alexandra.bohler@sinclair.edu
Plan Reading and Estimating	178019	CAT 1401: Construction Cost Estimating	3	
Principles of Wood Construction	178030	CAT 1701: Construction Craft Skills/Concrete	4	
Structural Systems	178003	CAT 1721: Structural Framing Systems	4	
Construction Electrical Systems	178007	CAT 1741: Residential Electrical Systems	3	
Residential Electrical Systems	178008			
Masonry-Brick & Block	178005	CAT 1761: Interior & Exterior Finishes	3	
Concrete & Residential Masonry	178006			
Construction Pre-Apprenticeship/ Capstone	178029	CAT 1781: Construction Project	4	
Construction Management	178022	CAT 2401: Construction Project Management	3	
HVAC Refrigeration	178013	HVA 1201: Basic HVAC Systems with Cooling	3	NEW! Credit option for AY 24-25, FPS - De Dawson, delacy.dawson@sinclair.edu
N/A		HVA 1221: Heating Systems	3	

General Tech Prep Courses for All Pathways

The following are general tech prep courses available to all pathways but often paired with courses in this pathway. These courses may be taught by academic

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		BIS 1400: Customer Service	3	
N/A		MAT 1110: Math for Technologists	3	
N/A		MET 1131: Personal Computer Applications for Engineering	1	