

**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	2 to 5	Proof of NCCER Electrical Level 1 OR IBEW, JATC NECA certificate IEC based, IEC certificate.
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 Obtain a valid OSHA 30 hour card in general	178018	CTCON002 - Construction Safety	CAT 2431: OSHA Construction Standards	2	Must pass WebXam AND receive certification to receive credit.

**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	