

ODE-Sinclair Credit Crosswalk: Construction Technologies

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

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
Principles of Wood Construction	178030	CAT 1701	Construction Craft Skills/Concrete	4	Please note, this course credit type changed from AA to PR 20-21 AY. eLearn shell content must be completed in order to earn credit for this course.
Structural Systems	178003	CAT 1721	Structural Framing Systems	4	Please note, this course credit type changed from AA to PR 20-21 AY. eLearn shell content must be completed in order to earn credit for this course.
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	
Plan Reading and Estimating	178019	CAT 1401	Construction Cost Estimating	3	
N/A		HVA 1221	Heating Systems	3	NEW! Please refer to the Need to Know document for additional information.

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
N/A		CAT 1810	Construction Techniques I (NCCER Core or Career Connections)	3	To earn this AA credit, students must provide proof of either NCCER Core or Career Connections Level 1 and II.
N/A		CAT 1820	Construction Techniques II (NCCER Level 1 or Career Connections)	3	To earn this AA credit, students must provide proof of either NCCER Carpentry Level 1 or Career Connections Level III.
N/A		CAT 1830	Construction Techniques III (NCCER Level 2)	3	NEW! 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 (NCCER Electrical Level 1)	2	Proof of NCCER Electrical Level 1 required for credit.

CTAG						
ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
Carpentry & Masonry Technical Skills	178001	CTCON003 - Construction Methods and Materials	CAT 1201	Construction Methods and Materials	3	
Current and valid OSHA 10-hour safety card		CTS001 - Safety	CAT 1431	OSHA 10 Hour Safety	1	
Construction Safety & Crew Leadership AND	178018	CTCON002 - Construction Safety	CAT 2431	Occupational Safety and Health Administration (OSHA)	2	Must pass WebXam AND receive certification to receive credit
Obtain a valid OSHA 30 hour card in general construction						
Plan Reading	178019	CTCON001 - Plan Reading	CAT 1141	Architectural Blueprint Reading	2	
Alternative Power Generation Systems	10715	CTAE001 - Introduction to Alternative and Renewable Energy	EGV 1101	Alternate & Renewable Energy Sources	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 instructors. To see a comprehensive list of all courses available to all pathways, visit the General Course Offerings page.

PROFICIENCY

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