

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 | Engineering Technology Project Management | 3 | |
| Plan Reading and Estimating | 178019 | CAT 1401 | Construction Estimating | 3 | |

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 Obtain a valid OSHA 30 hour card in general construction | 178018 | CTCON002 - Construction Safety | CAT 2431 | Occupational Safety and Health Administration (OSHA) | 2 | Must pass WebXam AND receive certification to receive credit |
| Plan Reading | 178019 | | | | | |
| 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](#).

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|-------------------|---------------------|------------------------|---|---------------------|--------------|
| 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 | |