

Sinclair/Tech Prep Career Field Options for AY 2017-18

Construction Technologies

DD Structural Systems, **DE** Mechanical, Electrical, & Plumbing, **DF** Construction Design & Management

Course		Course Name	Semester Hours
Articulated Credits			
CAT	1701	*Construction Craft Skills/Concrete	6
CAT	1741	*Residential Electrical Systems	3
CAT	1810	*Construction Techniques I (NCCER Core)	3
CAT	1820	*Construction Techniques II (NCCER Carpentry Level 1)	3
EET	1181	*Electrical Construction I (NCCER Electrical Level 1)	3

CTAG Sinclair Alignments

DD Structural Systems, **DE** Mechanical, Electrical, & Plumbing, **DF** Construction Design & Management

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
All Construction Technologies Pathways	DD, DE, DF	No course match at this time.	No course match at this time.	CAT 1431	OSHA Construction Standards 10 Hour	1

DD Structural Systems

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Structural Systems	DD	178019	Plan Reading	CAT 1141	Architectural Blueprint Reading	2
Structural Systems	DD	178018	Construction Safety and Crew Leadership	CAT 2431	OSHA Construction Standards	2
Structural Systems	DD	178001	Carpentry and Masonry Technical Skills	CAT 1201	Construction Methods and Materials	4

DE Mechanical, Electrical, & Plumbing

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Mechanical, Electrical and Plumbing	DE	178019	Plan Reading	CAT 1141	Architectural Blueprint Reading	2
Mechanical, Electrical and Plumbing	DE	178018	Construction Safety and Crew Leadership	CAT 2431	OSHA Construction Standards	2
Mechanical, Electrical and Plumbing	DE	178001	Carpentry and Masonry Technical Skills	CAT 1201	Construction Methods and Materials	4
Mechanical, Electrical and Plumbing	DE	No course match at this time.	No course match at this time.	CAT 1111, EET 1120, EET 1139, HVA 1201, HVA 1221, HVA 1241, HVA 1261, HVA 1401	Mechanical Systems Blueprint Reading, Introduction to DC and AC Circuits, Electrical Machinery, Basic HVAC Systems with Cooling, Heating Systems, HVAC Installation Techniques and Practices, HVAC Loads and Distribution for Small Buildings, HVAC Mechanical and Electrical Troubleshooting	23

DF Construction Design & Management

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Construction Design and Management	DF	178019	Plan Reading	CAT 1141	Architectural Blueprint Reading	2
Construction Design and Management	DF	178018	Construction Safety and Crew Leadership	CAT 2431	OSHA Construction Standards	2
Construction Design and Management	DF	178001	Carpentry and Masonry Technical Skills	CAT 1201	Construction Methods and Materials	4
Construction Design and Management	DF	No course match at this time.	No course match at this time.	CAT 1111, EET 1120, EET 1139, HVA 1201, HVA 1221, HVA 1241, HVA 1261, HVA 1401	Mechanical Systems Blueprint Reading, Introduction to DC and AC Circuits, Electrical Machinery, Basic HVAC Systems with Cooling, Heating Systems, HVAC Installation Techniques and Practices, HVAC Loads and Distribution for Small Buildings, HVAC Mechanical and Electrical Troubleshooting	23