



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
Articula	ted 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		No course	No course			
Technologies Pathways	DD, DE, DF	match at this time.	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					Architectural	
Systems	DD	178019	Plan Reading	CAT 1141	Blueprint Reading	2
			Construction			
			Safety and			
Structural			Crew		OSHA Construction	
Systems	DD	178018	Leadership	CAT 2431	Standards	2
			Carpentry and		Construction	
Structural			Masonry		Methods and	
Systems	DD	178001	Technical Skills	CAT 1201	Materials	4





DE Mechanical, Electrical, & Plumbing

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

DF Construction Design & Management

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